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CW10

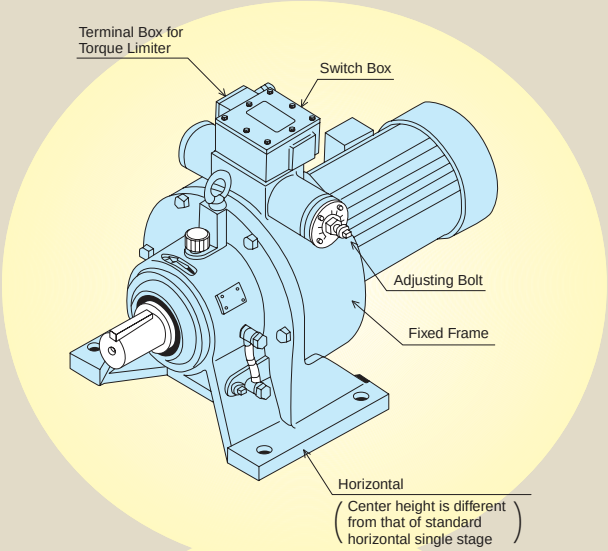
Sumitomo Drive Technologies

Always on the Move

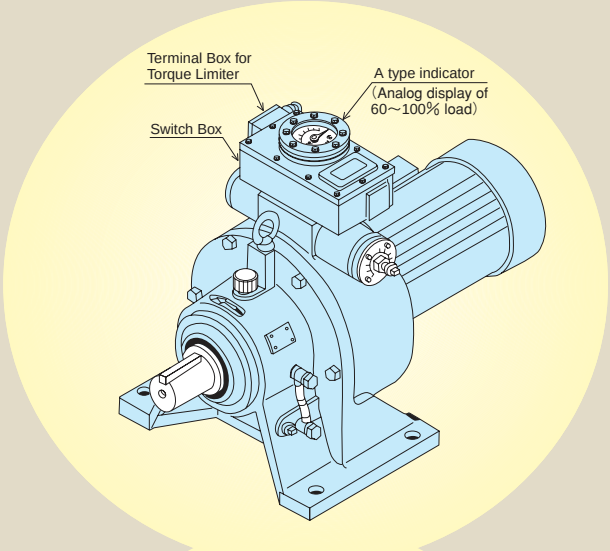
CYCLO® 6000 Series

Torque Limiter Equipped

Ideal for Protecting Your Machinery from Overloads.



Model with spring-loaded limit switch without Torque indicator



Model with spring-loaded limit switch with A type indicator

1. In addition to boasting large reduction ratios, high efficiency, and simple structural design, these CYCLO DRIVEs incorporate a high-performance torque sensor that is equipped with either a spring-limit switch or a load cell.

Contents

2. The main unit of the sensor consists of either a coil spring or a load cell to produce higher precision and reliability. The torque setting is accurate to ±5～±10%.

3. The CYCLO DRIVE's precise torque setting and high reliability allow you to use peripheral devices with lower safety margins and thereby achieve highly economical system design.

4. Compared to thermal relays, the torque sensor has a shorter time delay and a more sensitive response to overloads.

5. The preset torque can be adjusted by ±25%. This facilitates field adjustments to the preset torque when the actual torque deviates from the expected value.

6. Alarms and lamps are incorporated in the motor's operation circuit to ensure safety and reliability even during automatic operations. Drives with double and tripple protection are available for driving auxiliary motors that in turn drive a thickener shaft.

7. Double and triple protection is achieved through the use of shear pins and other protective devices.

1. SPECIFICATIONS

CYCLO DRIVEs equipped with torque limiters are available in the series below. When ordering, request the desired specifications as shown in Tables 1 and 2.

Table 1 Torque Limiter Section Specifications（Gray letters indicates standard specifications）

(Note 1) Protection means	Torque sensing mechanism	(Note 3) Torque indicator	(Note 5) Output signal	Rotation direction of slow speed shaft (as viewed from the output side)	Setting accuracy
Nonexplosion-proof model	Model with spring-loaded limit switch	Not equipped (Note 4) A type with indicator (Analog display of 60～100% load) B type with indicator (Analog display of 0～100% load)	1 point (Main motor OFF) 2 points〔Dual safety provided〕(Main motor OFF and sub-motor ON or alarm (Note 6)) 3 points〔Triple safety provided〕(2 points + auxiliary signal (Note 7))	Clockwise rotation Counter clockwise rotation Rotation reversible	(Note 8) ±10% of preset torque
(Note 2) Explosion-proof model	Load cell model	Equipped. 〔Remotely displays loads in analog or digital values. Load factor (%), torque, and other torque-related values (Note 9) can be displayed in desired scale units.〕	ON and OFF signals for 1-3 points 〔Provides analog signals corresponding to loads (current, voltage, and strain on the load cell) and is suitable for automatic control.〕		

Note 1 : The torque limiter section can be used both indoors and outdoors. Submersible torque limiters can also be manufactured to order.
Note 2 : The torque limiters are manufactured using an explosion-proof construction (i3nG5).
Note 3 : For A and B types, both with indicator, the indicator is mounted on the main body of the CYCLO DRIVE.
Note 4 : Loads equal to 50%-100% of the preset torque may be indicated depending on the drive model.
Note 5 : Specify the torque values corresponding to signal points 1 to 3.
Note 6 : An example of submotor applications is a thickener shaft elevation motor.
Note 7 : Auxiliary signals can be used to control the thickener sludge.
Note 8 : CYCLO DRIVEs with a setting accuracy of ±5% can also be manufactured to order. Contact us for details.
Note 9 : Indicate the relation between the desired units of scale and the torque.

Table 2 Specifications for Motors and their Couplings with CYCLO DRIVE

Motor specifications	Coupling with CYCLO DRIVE
● Indoor model ● Outdoor model ● Dust-proof model ● Corrosion-proof model ● Moisture-proof varnish for tropical environments ● Brake included ● Free input shaft ● Special voltage ● Special insulation ● Explosion-proof	(Note 1) Direct coupling
● Model with variable poles ● Explosion-proof model ● Waterproof model ● Marine applications ● DC motor ● For inverter	(Note 2) With J adaptor or base plate

Note 1 : The motor coupled directly with CYCLO DRIVE is a Sumitomo product equipped with a torque limiter, specifically for the CYCLO DRIVE. The motor may be fitted with a J adaptor or base plate, depending on its capacity. Refer to the section on selecting fittings.
Note 2 : J is a type code. Refer to the section on types.

2. NOMENCLATURE

C □ □ □ □ □ — □ □ — TL — □

CYCLO DRIVE

Reduction ratio

Suffix Designation (with torque limiter)

Shaft Spec.	Symbol
Metric JIS STD	No Symbol
Inch Size	Y
AGMA I	YA
AGMA II	YB
AGMA III	YC
Metric DIN	G

CYCLO DRIVE frame size

Input HP (Integral Motor)			
Code	kW	Code	kW
02	0.2	5	3.7
05	0.4	8	5.5
08	0.55	10	7.5
1	0.75	15	11
1H	1.1	20	15
2	1.5	25	18.5
3	2.2	30	22
4	3	40	30

Code indicating special specifications (S)

Slow Speed Shaft Direction	Mounting Style	Type of Input
H (Horizontal)	H (Foot)	M (Geared Motor)
V (Vertical down)	V (V Flange)	No Symbol (Reducer)
W (Vertical up)	F (Flange)	J (With adaptor)
N (Maintenance-free Universal Direction)		

3V, 14V, 15V, 17V, 18V: Vertical type for the agitator

Example

Single reduction type	Double reduction type (Output side+Input side)
6105	6130DC (6130+6105)
Triple reduction type (Output side+Intermediate stage+Input side)	
6185TA (6185+6105+6075)	

Example 1

CVVM3—6135—TL—59

- 59: Reduction ratio
- TL: Suffix Designation (With torque limiter)
- 6135: Frame size
- 3: Input HP (2.2kW 4P)
- VM: Integral Motor
- V: V Flange Mounting
- C: Slow Speed Shaft Vertical down
- CVV: CYCLO DRIVE

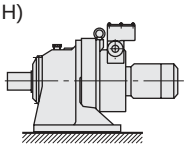
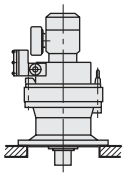
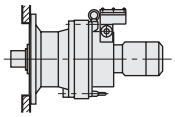
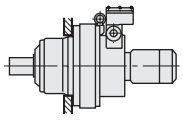
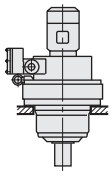
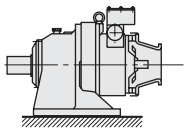
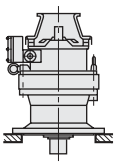
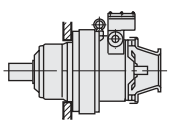
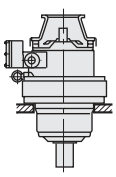
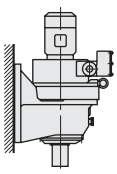
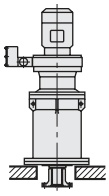
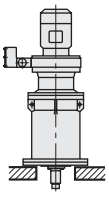
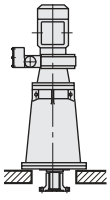
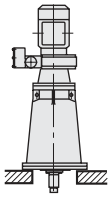
Example 2

CHHM8—6195DB—TL—231
CHHM5—6170DC—TL—121

- 121: Reduction ratio
- TL: Suffix Designation (With torque limiter)
- 6170DC: Double reduction CYCLO DRIVE frame size
- 5: Input HP (5.5kW 4P / 3.7kW 4P)
- M: Integral Motor
- H: Foot Mounting
- H: Slow Speed Shaft Horizontal
- CHH: CYCLO DRIVE

Models available

Models in ( ) are reducers.

CHHM (CHH) 	CVVM (CVV) 	CHVM (CHV) 	CHFM (CHF) 	CVFM (CVF) 
(CHHJ) 	(CVVJ) 	(CHFJ) 	(CVFJ) 	CVHM (CVH) 
C14VM (C14V) 	C15VM (C15V) 	C17VM (C17V) 	C18VM (C18V) 	

3. SENSOR MECHANISM AND TORQUE INDICATION

3·1 Spring-loaded Limit Switch Model

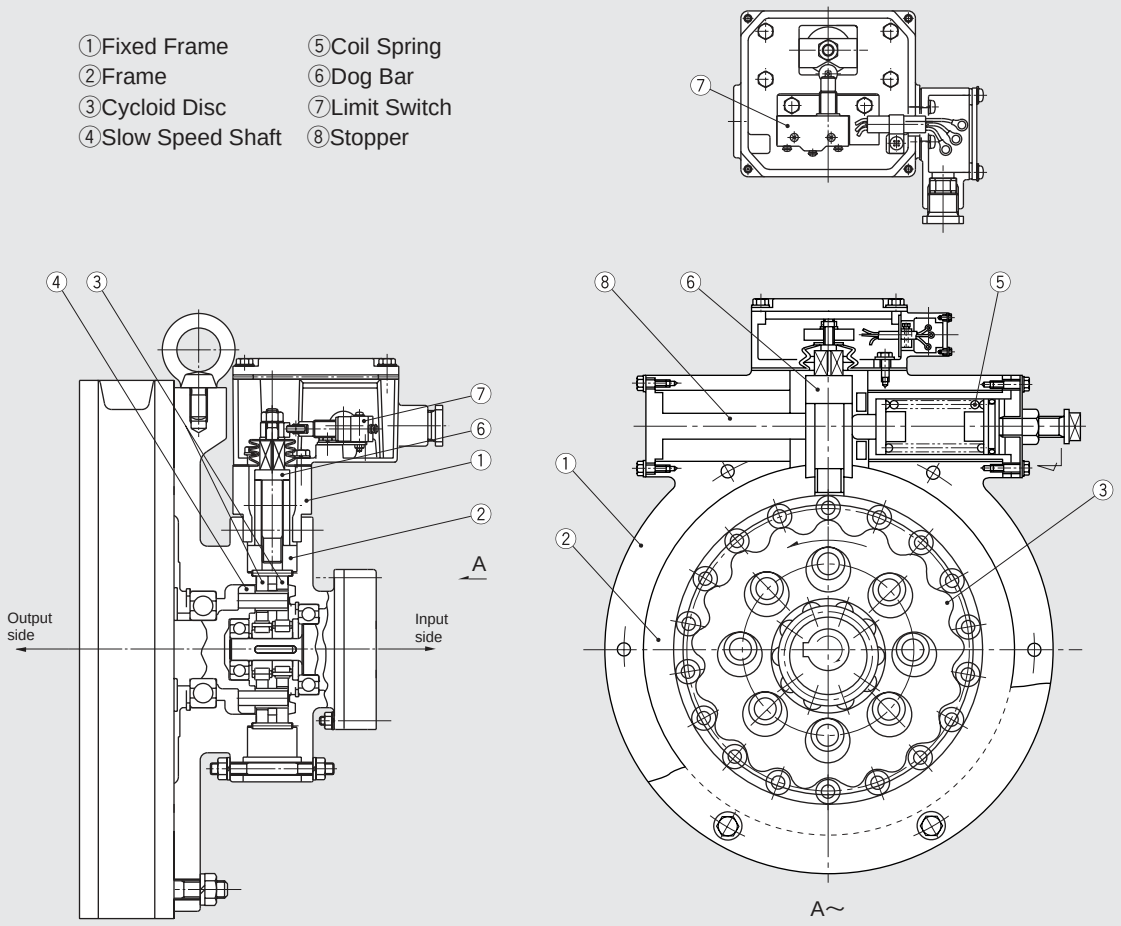
Without Torque Indicator

The torque of the CYCLO DRIVE's slow speed shaft ④ is always transmitted to the frame ② through the cycloid disc ③. The frame ② can freely turn within the fixed frame ①. When a load is applied to the slow speed shaft ④, the torque reaction force of the cycloid disc ③ rotates the frame ② in the direction opposite to the rotating direction of the slow speed shaft ④. This causes the dog bar ⑥ to push the coil spring ⑤. If the applied load exceeds the preset value, the dog bar ⑥ activates the limit switch ⑦ to instantly shut off the current to the motor. When the motor stops, the dog bar ⑥ returns to the neutral position by the reaction force of the coil spring ⑤. The torque limiter mechanical section of the single reduction or double reduction models is arranged on the single reduction housing (input stage), while that of the triple reduction model is arranged on the double reduction housing.

For CYCLO DRIVEs that rotate in one direction only, one coil spring ⑤ is installed on one side (see the Figure below). For models with reversible rotation, the stopper ⑧ is removed and a coil spring is installed on each side, thus incorporating a total of two coil springs.

Fig.1

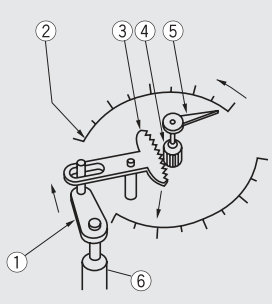
①Fixed Frame ⑤Coil Spring
②Frame ⑥Dog Bar
③Cycloid Disc ⑦Limit Switch
④Slow Speed Shaft ⑧Stopper



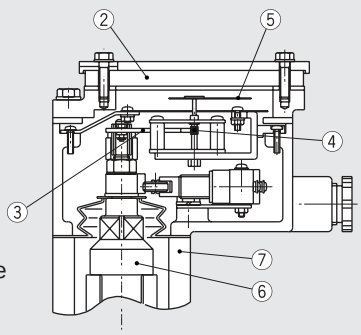
A-Type with Torque Indicator

This type of sensor mechanism is structured by the addition of the A-Type indicator to the construction shown in Fig. 1 above. The movement of the dog bar ⑥ is transmitted to the pointer ⑤ through a mechanism shown in Fig. 2 and the load factor (%) of the preset torque is indicated on the scale plate ② within 60% to 100% (50% to 100% in some models) of the preset torque.

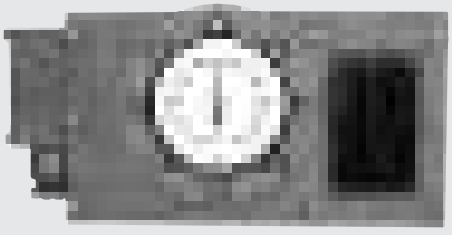
Fig.2



①Rod
②Scale Plate
③Sector
④Pinion
⑤Pointer
⑥Dog Bar
⑦Fixed Frame



(Input side)



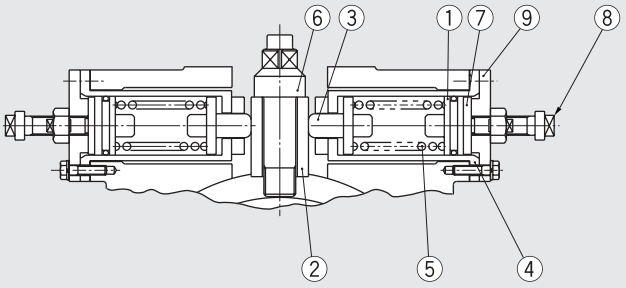
(Output side)

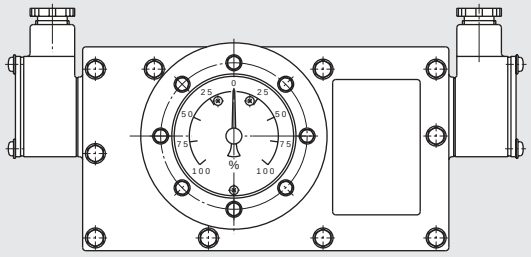
B-Type with Torque Indicator

This type of sensor mechanism indicates the load factor within a range of 0% to 100%. The mechanism of the indicator is the same as that for A-Type except that the following mechanism is used to indicate the low load factors below 60%.

As shown in Fig. 3, a spring is inserted on both sides, a preload is applied by the preload plate ⑦, and the center of operation is established by the adjusting bolt ⑧. This balances the left and right springs, enabling the user to detect variations in torque from no-load to loaded conditions.

Fig. 3





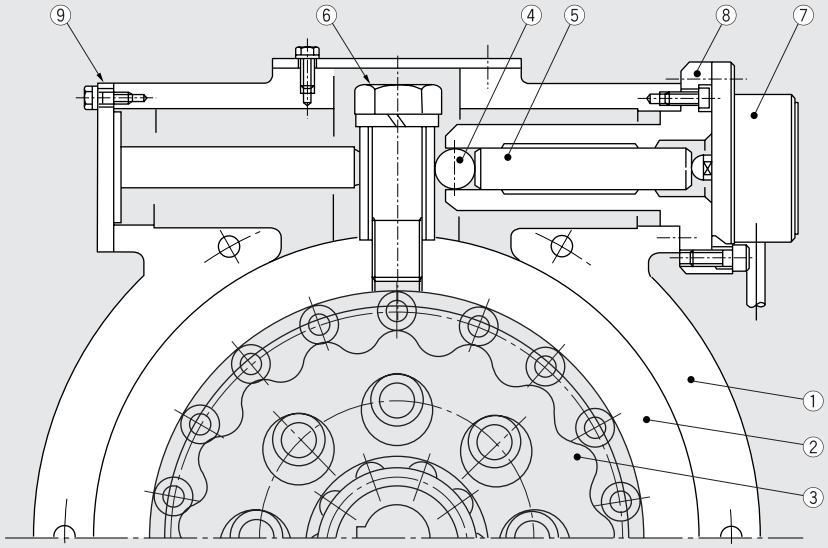
①Spring Holder Plate B ④Spring Case ⑦Preload Plate
②Bushing ⑤Spring ⑧Adjusting Bolt for Establishing Center of Operation
③Spring Holder Plate A ⑥Dog Bar ⑨Case Cover

Note : If necessary to indicate the load accurately in the vicinity of 0, use the load cell sensor.

3·2 Load cell sensor

The construction and operation of the mechanical section of the CYCLO DRIVE are the same as described in 3·1. The torque reaction force of the frame ② generated by the cycloid disc ③ is transmitted to the load cell ⑦ through the dog bar ⑥, steel ball ④, and rod ⑤. Electric analog signals corresponding to the load torque are thereby obtained. This mechanism transmits the load torque directly to the load cell ⑦, so that the load from 0% to 100% can be detected precisely. When provided with an amplifier and meter relay, it can indicate the load torque continuously, cut off the main motor, and control the load torque automatically. When combined with Sumitomo AC inverter drive or DC motor, RPM can be controlled according to variations in the load.

Fig. 4 The load cell model is best suited when remote instructions are required.

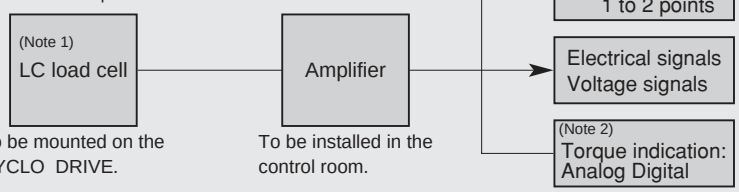


①Fixed Frame
②Frame
③Cycloid Disc
④Steel Ball
⑤Rod
⑥Dog Bar
⑦Load Cell
For reversible rotation, remove the stopper ⑨ and install the load cell on both sides.
⑧Rod Case
⑨Stopper

Example of Equipment Configuration

Fig. 5

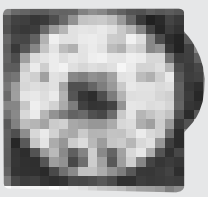
Note 1 : This is a load converter with a strain gauge that converts the load into electric signals. The LC is designed specifically for use on the Cyclo Drive with torque limiter.



To be mounted on the CYCLO DRIVE.

To be installed in the control room.

Amplifier (Note 3)



Meter Relay (Note 3)

Note 2 : Values can be indicated in units other than torque.
Note 3 : This configuration example shows the device coupled with an amplifier and a relay. Other devices can also be attached. Contact Sumitomo for more information.
Note 4 : A model is available with 3 or more contacts, please contact Sumitomo.

4. OUTPUT SIGNAL

4·1 Spring-loaded Limit Switch Model

1-Point Signal

Limit switch ⑤ is installed inside the switch box ①. The main motor is turned off during torque setting by the dog ② fixed at the tip of the lever.

2-Point Signal (Dual Safety Model)
3-Point Signal (Triple Safety Model)

One limit switch is added to the construction shown in Fig. 6 to compose the 2-point signal configuration. Two limit switches are added to form the 3-point signal configuration.

The 2-point signal or dual safety configuration is used to turn off the main motor, turn on the submotor, or turn on the alarm. If an auxiliary signal is needed to compose a 3-point signal configuration, a limit switch is provided. The limit switch is shown in Fig. 7 by the line with alternating long and short dashes.

This auxiliary signal can be used for driving motors to control the volume of sludge in the thickener.

Fig. 7

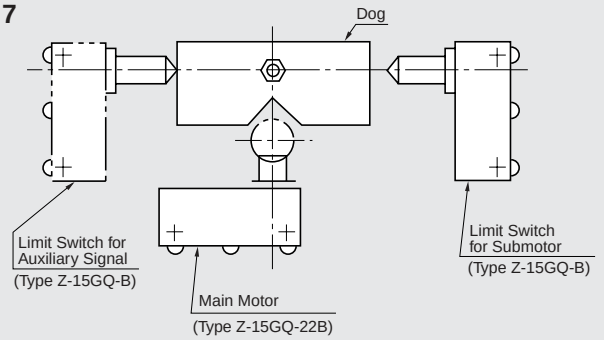
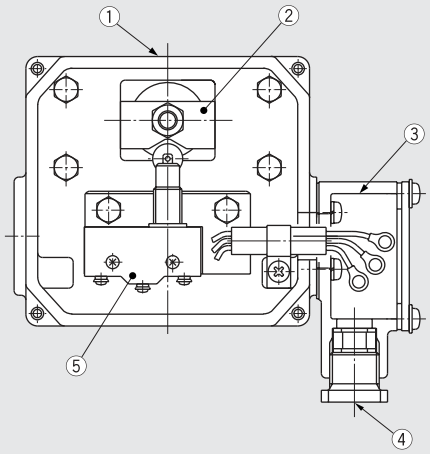


Fig. 6



①Switch Box
②Dog
③Terminal Box
④Through Fitting for Marine Electrical Wires (15b)
⑤Limit Switch (Type Z-15GQ22-B)

Note : Two terminal boxes, shown in Fig. 6, are provided in the 2-point signal configuration; three terminal boxes are provided in the 3-point signal configuration. For specifications of the limit switch used for 1- to 3-point signal configurations, refer to Table 3. Contact Sumitomo for explosion-proof models (d2G4).

Table 3 Limit Switch Specifications (Non-explosion-proof Model)

Products of Omron Tateishi Electric Co.

Rotation direction of the slow speed shaft and type of limit switch (quantity)

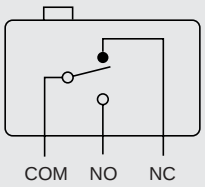
Signal \ Rotating direction	Clockwise or counterclockwise	Reversible
Main motor OFF	Type Z−15GQ22−B (1 pc)	
Submotor or alarm ON	Type Z−15GQ−B (1 pcs)	Type Z−15GQ−B (2 pcs)
Auxiliary signal	Type Z−15GQ−B (1 pcs)	Consult Sumitomo

Rating

Rush current	Normally closed circuit : Max. 30A Normally open circuit : Max. 15A

Rated voltage (V)	Noninductive load(A)				Inductive load(A)			
	Resistance load		Lamp load		Inductive load		Motor load	
	Normally closed circuit	Normally open circuit	Normally closed circuit	Normally open circuit	Normally closed circuit	Normally open circuit	Normally closed circuit	Normally open circuit
AC125	15		3	1.5	15		5	2.5
250	15		2.5	1.25	15		3	1.5
500	10		1.5	0.75	6		1.5	0.75
DC 8	15		3	1.5	15		5	2.5
14	15		3	1.5	10		5	2.5
30	6		3	1.5	5		5	2.5
125	0.5		0.5	0.5	0.05		0.05	0.05
250	0.25		0.25	0.25	0.03		0.03	0.03

Type of contact



Note : 1. Values shown in the diagram indicate steady-state currents.
Note : 2. An inductive load is a power factor of more than 0.4% (AC) or a time constant of less than 7 ms (DC).
Note : 3. A lamp load is a load with inrush current 10 times as high.
Note : 4. A motor load is a load with inrush current 6 times as high.

4·2 Load cell sensor

Contact : Provides 1 to 3 points of ON and OFF signals through the meter relay.
Analog signal output : 4〜20mA DC, 0〜10V DC
Amplifier power supply : 100V AC±10% and others.
For further details, contact Sumitomo.

5. CONNECTION

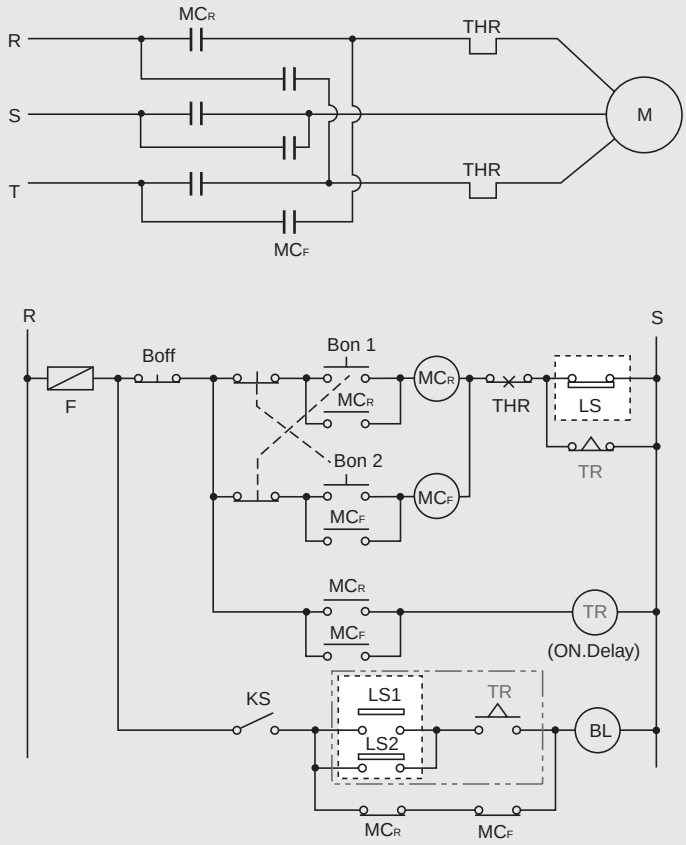
Compensation at start-up

If the start-up torque is greater than the preset torque (when shock occurs upon start-up or a motor equipped with brake is used), incorporate a timer TR as shown in Fig. 8.

Example of how to connect the spring loaded limit switch

(2-point signal, dual safety model with reversible rotation)

Fig. 8



M ·····Motor
MC_R ···Electromagnetic switch for forward motor rotation
MC_F ···Electromagnetic switch for reverse motor rotation
Bon 1 Push-button switch for forward rotation
Bon 2 Push-button switch for reverse rotation
Boff Push-button switch for stopping
THR Thermal relay
LS Limit switch(for forward, reverse, and stop)
LS1 Limit switch(for forward alarm)
LS2 Limit switch(for reverse alarm)
KS Knife switch
TR ·····Motor timer
F Fuse
BL Alarm

Note : 1. Limit switches LS, LS1, and LS2 encircled by a dotted line are incorporated in CYCLO DRIVEs with torque limiters. Other devices must be supplied by the user.
2. If there is an overload, LS1(LS2) and LS actuate in that order.
3. For 1-point signals, devices within the dotted line are not required.

Contact Sumitomo for details on how to connect load cell models.

6. INTRINSICALLY SAFE EXPLOSION-PROOF CONSTRUCTION

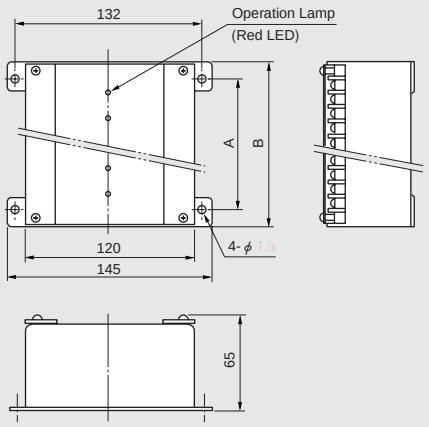
(Explosion-proof class and ignition grade: i3nG5)

6·1 Spring-loaded limit switch sensor

When a high sensitivity relay of 3001-3R intrinsically safe explosion-proof construction (i) is used, the standard LS (non-explosion-proof model) can be used in a non-explosive atmosphere as an intrinsically safe explosion-proof construction (i3nG5) device.

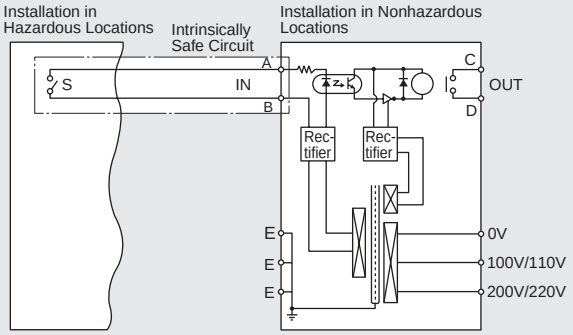
Overall dimension

Fig. 9 3001-3R



Circuit

Fig. 10



If it switches on (which was installed in hazardous place), a switch relay turns on via a photo coupler.
Release voltage is DC 15V, short circuit current is DC 15mA at a switch (S).

Rating/Specification

Intrinsically Safe circuit/Input point of contact/release voltage : DC15V
Intrinsically Safe circuit/Input point of contact/short circuit current : 15mA
Non-safety circuit (Load side) Output mode : 3A (AC220V, DC24V)
Relay point of contact output rating : 1a MAX. Non-guided load

Operation Power source :	AC100/110, 200/220V±10% 50/60Hz
Consumption electric power :	2.8VA
Response time :	10ms
Return time of operation :	10ms
Display light :	Power source display light (Green LED) Operation display light (Red LED)
Connection system :	Terminal stand type. Screw : M3
Mass :	0.7kg
Working ambient temperature :	−10˚C～+40˚C (It should not dew)
Working ambient humidity :	35～85%RH
Insulated resistance :	DC500V MEGA, Over 100MΩ
Voltage-proof :	AD1500V 1 minute

■Outside Wiring

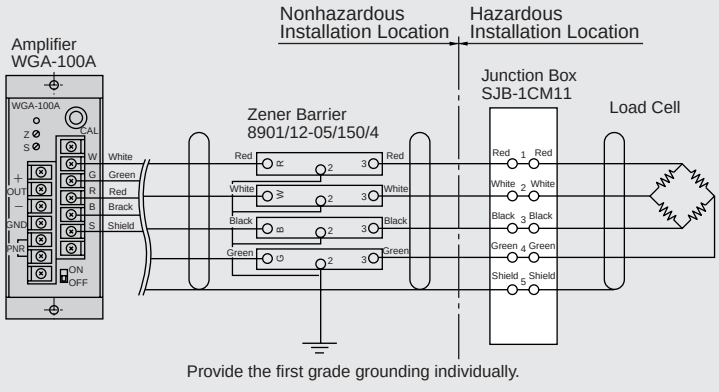
Allowable inductance less than 1mH.
Allowable capacitance less than 0.05 μF.

6·2 Load cell sensor

When a zener barrier is used, the standard load cell (non-explosion-proof) can be safely used in an explosion-proof atmosphere as an explosion-proof construction (i3nG5) device.

Model	: 8901/12-05/150/4
Input voltage	: ±5V
Rated current of fuse	: 63mA
Overall resistance	: 99Ω (nominal resistance between terminals 1 and 3)
Max. output voltage	: ±9.5V
Short-circuit current	: 150mA
Max. allowable external capacity	: 2.4 μF
Max. allowable external inductance	: 0.3mH
Safety maintenance rating	: 250V
Ambient conditions	: Temperature 0～50˚C Humidity 10～90% RH
Mass	: 65g

Fig. 11



7. ADJUSTING THE PRESET TORQUE

Table 4 Adjustment Range

Spring-loaded limit switch model	Adjustable to within ±25% of the preset torque (Note)
Load cell model	The torque may be set as desired between 0 and 100% of the load factor.

Note : B type with indicator is not adjustable.

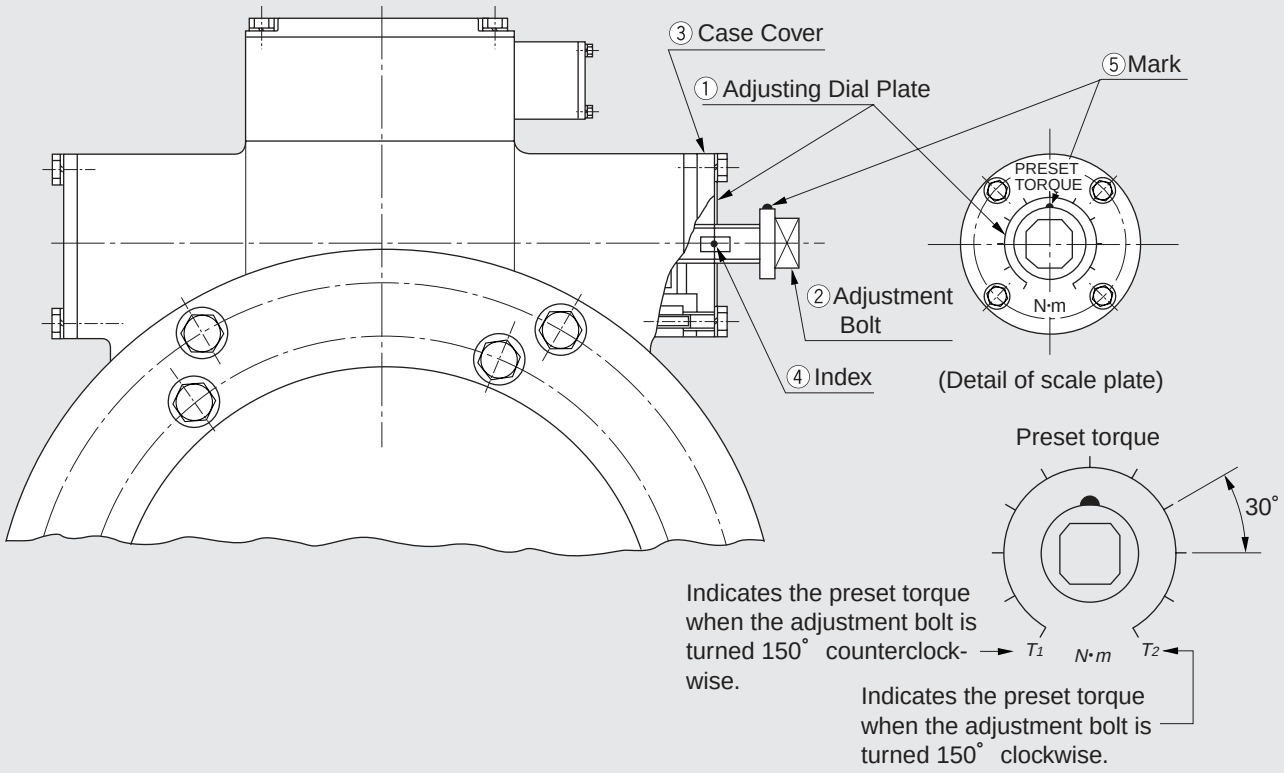
7·1 Spring-loaded Limit Switch Model

1. Prior to shipment from the factory, the spring-loaded limit switch is tested under various loads and the preset torque is set to the user's requirement.
2. The preset torque is indicated at the center of the adjusting scale plate ① shown in Fig. 12. Also, indicated at positions of ±150°, are the torque values corresponding to T_1 and T_2 respectively. To change the preset torque, use T_1 and T_2 as reference for adjustment.
3. When it is necessary to increase or decrease the initial torque setting, use the adjustment bolt ② and adjust the torque to within ±25% of the preset torque. So long as the adjusted torque is within ±25%, overscaling T_1 and T_2 may be permissible. However, adjustments exceeding the maximum preset torque must be avoided. (Refer to the selection section.)
4. Adjusting the preset torque

   An index ④ is stamped in the notch on the side of the adjusting bolt ② thread. The end face of the case cover ③ is aligned with the index ④ when the mark ⑤ on the adjusting bolt ② is located at the position of the preset torque on the adjusting scale plate ①. Make fine adjustments with this alignment point as the reference.

   If the adjusting bolt is too tight or too loose, reset the adjusting bolt so that the end face of the case cover ③ is aligned with the index ④.

Fig. 12



Note : For machines with reversible slow speed shafts, the adjustment bolt and dial plate are located on both sides.

7·2 Load Cell Model

1. As with the case of the spring loaded limit switch model, the load-cell limit switch is tested under loads before shipment from the factory, and the torque is set as required by the user.

2. If the original setting needs to be changed, contact Sumitomo. The torque is adjusted differently depending on the equipment used (meter relays and amplifiers, for example).

8. SELECTION

1. CYCLO DRIVES with torque limiters are designed and manufactured for an operation time of 10 hours per day under uniform load conditions. Where this DRIVE will be operated for an operation time exceeding 10 hours/day or where a shock load is applied to the DRIVE, depending on the load condition of the driven equipment used, the load coefficient must be considered in the selection process. In such cases, refer to the standard CYCLO DRIVES catalogue.
2. For either the motorized type (gearmotor) or the free input shaft type (reducer), choose the appropriate model using the following procedure.

Fig. 5 Available Sumitomo motors

		Indoor	Outdoor
Output kW	Pole	4P	
0.2		○	○
0.4		○	○
0.55		○	○
0.75		○	○
1.1		○	○
1.5		○	○
2.2		○	○
3		○	○
3.7		○	○
5.5		○	○
7.5		○	○
11		○	○
15		○	○
18.5		○	○
22		○	○
30		○	○

Please consult us for motors not listed above.

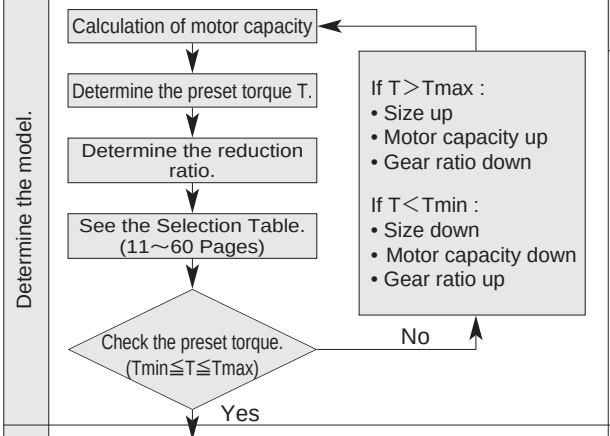
〔Selection procedures〕

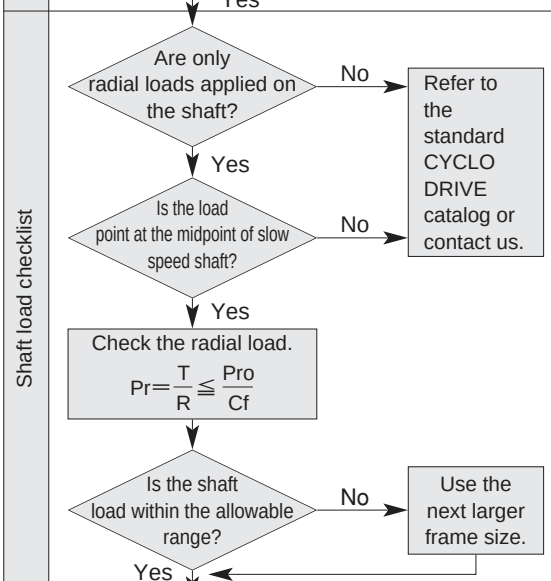
●Terms

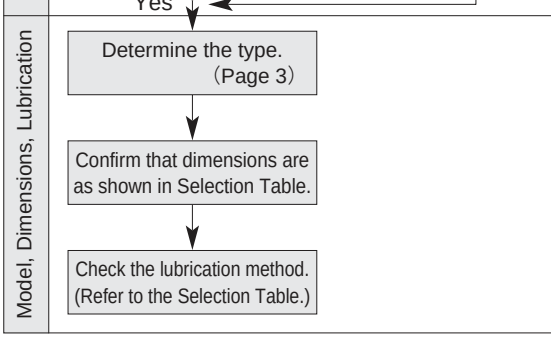
PR : Load capacity (kW)
T : Preset torque of slow speed shaft (N•m)
Tmin : Min. preset torque of slow speed shaft (N•m)
Tmax : Max. preset torque of slow speed shaft (N•m)
R : Pitch circle radius of sprocket, gear, or pulley. [m]
Pr : Actual radial load (N)
Pro : Allowable load to slow speed shaft (N)
(Value in the Pro column of the Selection Table)
Cf : Coupling factor (Table 6)

Table 6 Coupling factor Cf

Coupling method	Cf
Chain	1
Gear	1.25
V belt	1.5







[Selection Example]

○ Machine coupled : Scraper (uniform load)
○ Operating time : 10 hours/day
○ Output speed : 0.7rpm
○ Preset torque : T=1280N•m
○ Output speed : 0.7r/min
Power frequency : 60Hz
Motor poles : 4 poles
○ Coupling method : Chain
Sprocket pitch circle radius R=0.1m
Radial load point position : Center of slow speed shaft
◯Slow speed shaft orientation : Horizontal
◯Motor's coupling method : Gearmotor
◯Mounting : Foot mounted.

P ℓ : 0.3 kW
Determine
Motor capacity ⟶ 0.4kW60Hz (Table 5)
Preset torque : T=1280N•m
Output speed : 0.7 r/min
Slection page 20
Tmin (490) ≦T (1280) ≦Tma (1370)
Select Model 05-6145DC-TL-2537.

Note : Specify the preset torque using an integer.

Check the radial load applied to the slow speed shaft.

$$Pr=\frac{T}{R}\leqq\frac{Pro}{Cf}$$

$$\frac{1280}{0.1}=\textcircled{12800}\leqq\frac{\textcircled{16000}}{1}$$

$$=\textcircled{16000}$$

Frame size 6145DC is satisfactory.

Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.

Type :
CHHM05-6145DC-TL-2537
Dimensional drawing : Page 64
Lubrication method G :
Grease lubrication

0.2kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.162	250	25	780	79.5	14700	1500	02 — 6130TC — TL — 9251	—	—	69	G	G
	250	25	940	95.8	14700	1500	02 — 6135TC — TL — 9251	—	—	69	G	G
	250	25	1230	125	16000	1630	02 — 6140TC — TL — 9251	—	—	69	G	G
	250	25	1370	140	15800	1610	02 — 6145TC — TL — 9251	—	—	69	G	G
	250	25	1760	179	22100	2250	02 — 6160TB — TL — 9251	—	—	69	G	G
	250	25	2100	214	22100	2250	02 — 6165TB — TL — 9251	—	—	69	G	G
0.137	250	25	780	79.5	14700	1500	02 — 6130TC — TL — 10933	—	—	69	G	G
	250	25	940	95.8	14700	1500	02 — 6135TC — TL — 10933	—	—	69	G	G
	250	25	1230	125	16000	1630	02 — 6140TC — TL — 10933	—	—	69	G	G
	250	25	1370	140	15800	1610	02 — 6145TC — TL — 10933	—	—	69	G	G
	250	25	1760	179	22100	2250	02 — 6160TB — TL — 10933	—	—	69	G	G
	250	25	2100	214	22100	2250	02 — 6165TB — TL — 10933	—	—	69	G	G
0.110	440	45	910	92.8	14700	1500	02 — 6130TC — TL — 13629	—	—	69	G	G
	440	45	1050	107	14700	1500	02 — 6135TC — TL — 13629	—	—	69	G	G
	440	45	1230	125	16000	1630	02 — 6140TC — TL — 13629	—	—	69	G	G
	440	45	1370	140	16000	1630	02 — 6145TC — TL — 13629	—	—	69	G	G
	440	45	1760	179	22100	2250	02 — 6160TB — TL — 13629	—	—	69	G	G
	440	45	2100	214	22100	2250	02 — 6165TB — TL — 13629	—	—	69	G	G
0.093	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 16211	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 16211	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 16211	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 16211	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 16211	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 16211	—	—	69	G	G
0.074	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 20339	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 20339	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 20339	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 20339	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 20339	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 20339	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 20339	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 20339	—	—	69	G	G
0.062	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 24037	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 24037	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 24037	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 24037	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 24037	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 24037	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 24037	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 24037	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 24037	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 24037	—	—	69	G	G
0.054	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 27907	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 27907	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 27907	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 27907	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 27907	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 27907	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 27907	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 27907	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 27907	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 27907	—	—	69	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

0.2kW 60Hz

Motor Speed n_1 : 4P : 1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.195	250	25	780	79.5	14700	1500	02 — 6130TC — TL — 9251	—	—	69	G	G
	250	25	940	95.8	14700	1500	02 — 6135TC — TL — 9251	—	—	69	G	G
	250	25	1230	125	16000	1630	02 — 6140TC — TL — 9251	—	—	69	G	G
	250	25	1370	140	15800	1610	02 — 6145TC — TL — 9251	—	—	69	G	G
	250	25	1760	179	22100	2250	02 — 6160TB — TL — 9251	—	—	69	G	G
	250	25	2100	214	22100	2250	02 — 6165TB — TL — 9251	—	—	69	G	G
0.165	250	25	780	79.5	14700	1500	02 — 6130TC — TL — 10933	—	—	69	G	G
	250	25	940	95.8	14700	1500	02 — 6135TC — TL — 10933	—	—	69	G	G
	250	25	1230	125	16000	1630	02 — 6140TC — TL — 10933	—	—	69	G	G
	250	25	1370	140	15800	1610	02 — 6145TC — TL — 10933	—	—	69	G	G
	250	25	1760	179	22100	2250	02 — 6160TB — TL — 10933	—	—	69	G	G
	250	25	2100	214	22100	2250	02 — 6165TB — TL — 10933	—	—	69	G	G
0.132	440	45	910	92.8	14700	1500	02 — 6130TC — TL — 13629	—	—	69	G	G
	440	45	1050	107	14700	1500	02 — 6135TC — TL — 13629	—	—	69	G	G
	440	45	1230	125	16000	1630	02 — 6140TC — TL — 13629	—	—	69	G	G
	440	45	1370	140	16000	1630	02 — 6145TC — TL — 13629	—	—	69	G	G
	440	45	1760	179	22100	2250	02 — 6160TB — TL — 13629	—	—	69	G	G
	440	45	2100	214	22100	2250	02 — 6165TB — TL — 13629	—	—	69	G	G
0.111	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 16211	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 16211	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 16211	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 16211	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 16211	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 16211	—	—	69	G	G
0.088	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 20339	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 20339	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 20339	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 20339	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 20339	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 20339	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 20339	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 20339	—	—	69	G	G
0.075	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 24037	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 24037	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 24037	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 24037	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 24037	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 24037	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 24037	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 24037	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 24037	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 24037	—	—	69	G	G
0.064	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 27907	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 27907	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 27907	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 27907	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 27907	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 27907	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 27907	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 27907	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 27907	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 27907	—	—	69	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.048	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 31433	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 31433	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 31433	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 31433	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 31433	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 31433	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 31433	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 31433	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 31433	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 31433	—	—	69	G	G
0.039	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 38291	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 38291	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 38291	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 38291	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 38291	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 38291	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 38291	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 38291	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 38291	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 38291	—	—	69	G	G
0.035	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 43129	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 43129	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 43129	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 43129	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 43129	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 43129	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 43129	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 43129	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 43129	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 43129	—	—	69	G	G
0.028	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 53621	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 53621	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 53621	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 53621	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 53621	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 53621	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 53621	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 53621	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 53621	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 53621	—	—	69	G	G
0.025	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 59177	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 59177	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 59177	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 59177	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 59177	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 59177	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 59177	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 59177	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 59177	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 59177	—	—	69	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.057	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 31433	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 31433	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 31433	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 31433	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 31433	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 31433	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 31433	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 31433	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 31433	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 31433	—	—	69	G	G
0.047	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 38291	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 38291	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 38291	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 38291	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 38291	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 38291	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 38291	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 38291	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 38291	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 38291	—	—	69	G	G
0.042	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 43129	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 43129	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 43129	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 43129	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 43129	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 43129	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 43129	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 43129	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 43129	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 43129	—	—	69	G	G
0.034	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 53621	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 53621	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 53621	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 53621	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 53621	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 53621	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 53621	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 53621	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 53621	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 53621	—	—	69	G	G
0.030	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 59177	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 59177	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 59177	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 59177	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 59177	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 59177	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 59177	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 59177	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 59177	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 59177	—	—	69	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.020	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 73573	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 73573	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 73573	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 73573	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 73573	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 73573	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 73573	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 73573	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 73573	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 73573	—	—	69	G	G
0.019	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 79507	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 79507	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 79507	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 79507	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 79507	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 79507	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 79507	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 79507	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 79507	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 79507	—	—	69	G	G
	980	100	6380	650	59000	6010	02 — 6190TA — TL — 79507	—	—	69	G	G
	980	100	7960	811	59000	6010	02 — 6195TA — TL — 79507	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 79507	—	—	69	G	G
0.014	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 109091	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 109091	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 109091	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 109091	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 109091	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 109091	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 109091	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 109091	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 109091	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 109091	—	—	69	G	G
	980	100	6380	650	58600	5970	02 — 6190TA — TL — 109091	—	—	69	G	G
	980	100	7960	811	58100	5930	02 — 6195TA — TL — 109091	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 109091	—	—	69	G	G
	2650	270	12700	1290	104000	10600	02 — 6215TB — TL — 109091	—	—	69	G	G
0.010	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 149683	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 149683	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 149683	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 149683	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 149683	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 149683	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 149683	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 149683	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 149683	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 149683	—	—	69	G	G
	980	100	6380	650	58600	5970	02 — 6190TA — TL — 149683	—	—	69	G	G
	980	100	7960	811	58100	5930	02 — 6195TA — TL — 149683	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 149683	—	—	69	G	G
	2650	270	12700	1290	104000	10600	02 — 6215TB — TL — 149683	—	—	69	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.024	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 73573	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 73573	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 73573	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 73573	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 73573	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 73573	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 73573	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 73573	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 73573	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 73573	—	—	69	G	G
0.023	340	35	780	79.5	14700	1500	02 — 6130TC — TL — 79507	—	—	69	G	G
	340	35	940	95.8	14700	1500	02 — 6135TC — TL — 79507	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 79507	—	—	69	G	G
	340	35	1370	140	15700	1600	02 — 6145TC — TL — 79507	—	—	69	G	G
	340	35	1740	177	22100	2250	02 — 6160TB — TL — 79507	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 79507	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 79507	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 79507	—	—	69	G	G
	490	50	4060	414	41700	4250	02 — 6180TA — TL — 79507	—	—	69	G	G
	490	50	5000	510	41700	4250	02 — 6185TA — TL — 79507	—	—	69	G	G
	980	100	6380	650	59000	6010	02 — 6190TA — TL — 79507	—	—	69	G	G
	980	100	7960	811	59000	6010	02 — 6195TA — TL — 79507	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 79507	—	—	69	G	G
0.016	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 109091	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 109091	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 109091	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 109091	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 109091	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 109091	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 109091	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 109091	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 109091	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 109091	—	—	69	G	G
	980	100	6380	650	58600	5970	02 — 6190TA — TL — 109091	—	—	69	G	G
	980	100	7960	811	58100	5930	02 — 6195TA — TL — 109091	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 109091	—	—	69	G	G
	2650	270	12700	1290	104000	10600	02 — 6215TB — TL — 109091	—	—	69	G	G
0.012	340	35	910	92.8	14700	1500	02 — 6130TC — TL — 149683	—	—	69	G	G
	340	35	1050	107	14700	1500	02 — 6135TC — TL — 149683	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 149683	—	—	69	G	G
	340	35	1370	140	16000	1630	02 — 6145TC — TL — 149683	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 149683	—	—	69	G	G
	340	35	2100	214	22100	2250	02 — 6165TB — TL — 149683	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 149683	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 149683	—	—	69	G	G
	490	50	4050	413	41700	4250	02 — 6180TA — TL — 149683	—	—	69	G	G
	490	50	5000	510	41600	4240	02 — 6185TA — TL — 149683	—	—	69	G	G
	980	100	6380	650	58600	5970	02 — 6190TA — TL — 149683	—	—	69	G	G
	980	100	7960	811	58100	5930	02 — 6195TA — TL — 149683	—	—	69	G	G
	2160	220	9300	948	84100	8570	02 — 6205TD — TL — 149683	—	—	69	G	G
	2650	270	12700	1290	104000	10600	02 — 6215TB — TL — 149683	—	—	69	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

0.2kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.0034	340	35	845	86.1	14700	1500	02 — 6130TC — TL — 446571	—	—	69	G	G
	340	35	975	99.4	14700	1500	02 — 6135TC — TL — 446571	—	—	69	G	G
	340	35	1230	125	16000	1630	02 — 6140TC — TL — 446571	—	—	69	G	G
	340	35	1760	179	22100	2250	02 — 6160TB — TL — 446571	—	—	69	G	G
	340	35	2050	209	21800	2220	02 — 6165TB — TL — 446571	—	—	69	G	G
	340	35	2530	258	29500	3010	02 — 6170TB — TL — 446571	—	—	69	G	G
	340	35	3150	321	29500	3010	02 — 6175TB — TL — 446571	—	—	69	G	G
	540	55	4060	414	41700	4250	02 — 6180TA — TL — 446571	—	—	69	G	G
	540	55	5000	510	41700	4250	02 — 6185TA — TL — 446571	—	—	69	G	G
	980	100	6380	650	58900	6000	02 — 6190TA — TL — 446571	—	—	69	G	G
	980	100	7960	811	58400	5950	02 — 6195TA — TL — 446571	—	—	69	G	G
	2650	270	11300	1150	104000	10600	02 — 6215TB — TL — 446571	—	—	69	G	G
0.0023	1960	200	4060	414	41700	4250	02 — 6180TC — TL — 658503	—	—	69	G	G
	1960	200	5000	510	41700	4250	02 — 6185TC — TL — 658503	—	—	69	G	G
	1960	200	6380	650	58900	6000	02 — 6190TD — TL — 658503	—	—	69	G	G
	1960	200	7960	811	58400	5950	02 — 6195TD — TL — 658503	—	—	69	G	G
	2650	270	11300	1150	104000	10600	02 — 6215TB — TL — 658503	—	—	69	G	G

0.4kW 50Hz

Motor Speed n_1: 4P 1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
29.4	50	5	120	12.2	5400	550	05 — 6100 — TL — 51	61	71	—	MF	MF
25.4	50	5	135	13.8	5400	550	05 — 6100 — TL — 59	61	71	—	MF	MF
21.1	50	5	165	16.8	5400	550	05 — 6105 — TL — 71	61	71	—	MF	MF
17.2	50	5	205	20.9	5400	550	05 — 6105 — TL — 87	61	71	—	MF	MF
5.49	200	20	590	60.1	14700	1500	05 — 6130DC — TL — 273	63	72	—	G	G
4.70	250	25	690	70.3	14700	1500	05 — 6130DC — TL — 319	63	72	—	G	G
3.98	250	25	780	79.5	14700	1500	05 — 6130DC — TL — 377	63	72	—	G	G
	250	25	815	83.1	14700	1500	05 — 6135DC — TL — 377	63	72	—	G	G
3.17	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 473	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 473	63	72	—	G	G
	340	35	1020	104	16000	1630	05 — 6140DC — TL — 473	63	72	—	G	G
2.68	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 559	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 559	63	72	—	G	G
	340	35	1210	123	16000	1630	05 — 6140DC — TL — 559	63	72	—	G	G
2.31	440	45	910	92.8	14700	1500	05 — 6130DC — TL — 649	63	72	—	G	G
	440	45	1050	107	14700	1500	05 — 6135DC — TL — 649	63	72	—	G	G
	440	45	1230	125	16000	1630	05 — 6140DC — TL — 649	63	72	—	G	G
	440	45	1370	140	16000	1630	05 — 6145DC — TL — 649	63	72	—	G	G
	440	45	1400	143	22100	2250	05 — 6160DB — TL — 649	63	72	—	G	G
2.05	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 731	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 731	63	72	—	G	G
	340	35	1230	125	16000	1630	05 — 6140DC — TL — 731	63	72	—	G	G
	340	35	1370	140	15700	1600	05 — 6145DC — TL — 731	63	72	—	G	G
	340	35	1580	161	22100	2250	05 — 6160DB — TL — 731	63	72	—	G	G
1.78	250	25	780	79.5	14700	1500	05 — 6130DC — TL — 841	63	72	—	G	G
	250	25	940	95.8	14700	1500	05 — 6135DC — TL — 841	63	72	—	G	G
	250	25	1230	125	16000	1630	05 — 6140DC — TL — 841	63	72	—	G	G
	250	25	1370	140	15800	1610	05 — 6145DC — TL — 841	63	72	—	G	G
	250	25	1760	179	22100	2250	05 — 6160DB — TL — 841	63	72	—	G	G
	250	25	1820	186	22100	2250	05 — 6165DB — TL — 841	63	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.0040	340	35	845	86.1	14700	1500	02	6130TC	TL	446571	—	—	69	G	G
	340	35	975	99.4	14700	1500	02	6135TC	TL	446571	—	—	69	G	G
	340	35	1230	125	16000	1630	02	6140TC	TL	446571	—	—	69	G	G
	340	35	1760	179	22100	2250	02	6160TB	TL	446571	—	—	69	G	G
	340	35	2050	209	21800	2220	02	6165TB	TL	446571	—	—	69	G	G
	340	35	2530	258	29500	3010	02	6170TB	TL	446571	—	—	69	G	G
	340	35	3150	321	29500	3010	02	6175TB	TL	446571	—	—	69	G	G
	540	55	4060	414	41700	4250	02	6180TA	TL	446571	—	—	69	G	G
	540	55	5000	510	41700	4250	02	6185TA	TL	446571	—	—	69	G	G
	980	100	6380	650	58900	6000	02	6190TA	TL	446571	—	—	69	G	G
	980	100	7960	811	58400	5950	02	6195TA	TL	446571	—	—	69	G	G
	2650	270	11300	1150	104000	10600	02	6215TB	TL	446571	—	—	69	G	G
0.0027	1960	200	4060	414	41700	4250	02	6180TC	TL	658503	—	—	69	G	G
	1960	200	5000	510	41700	4250	02	6185TC	TL	658503	—	—	69	G	G
	1960	200	6380	650	58900	6000	02	6190TD	TL	658503	—	—	69	G	G
	1960	200	7960	811	58400	5950	02	6195TD	TL	658503	—	—	69	G	G
	2650	270	11300	1150	104000	10600	02	6215TB	TL	658503	—	—	69	G	G

0.4kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
35.3	50	5	100	10.2	5400	550	05	6100	TL	51	61	71	—	MF	MF
30.5	50	5	115	11.7	5400	550	05	6100	TL	59	61	71	—	MF	MF
25.4	50	5	135	13.8	5400	550	05	6105	TL	71	61	71	—	MF	MF
20.7	50	5	170	17.3	5400	550	05	6105	TL	87	61	71	—	MF	MF
6.59	200	20	490	49.9	14700	1500	05	6130DC	TL	273	63	72	—	G	G
5.64	250	25	575	58.6	14700	1500	05	6130DC	TL	319	63	72	—	G	G
4.77	250	25	680	69.3	14700	1500	05	6130DC	TL	377	63	72	—	G	G
	250	25	680	69.3	14700	1500	05	6135DC	TL	377	63	72	—	G	G
3.81	340	35	780	79.5	14700	1500	05	6130DC	TL	473	63	72	—	G	G
	340	35	850	86.6	14700	1500	05	6135DC	TL	473	63	72	—	G	G
	340	35	850	86.6	16000	1630	05	6140DC	TL	473	63	72	—	G	G
3.22	340	35	780	79.5	14700	1500	05	6130DC	TL	559	63	72	—	G	G
	340	35	940	95.8	14700	1500	05	6135DC	TL	559	63	72	—	G	G
	340	35	1010	103	16000	1630	05	6140DC	TL	559	63	72	—	G	G
2.77	440	45	910	92.8	14700	1500	05	6130DC	TL	649	63	72	—	G	G
	440	45	1050	107	14700	1500	05	6135DC	TL	649	63	72	—	G	G
	440	45	1170	119	16000	1630	05	6140DC	TL	649	63	72	—	G	G
	440	45	1170	119	16000	1630	05	6145DC	TL	649	63	72	—	G	G
	440	45	1170	119	22100	2250	05	6160DB	TL	649	63	72	—	G	G
2.46	340	35	780	79.5	14700	1500	05	6130DC	TL	731	63	72	—	G	G
	340	35	940	95.8	14700	1500	05	6135DC	TL	731	63	72	—	G	G
	340	35	1230	125	16000	1630	05	6140DC	TL	731	63	72	—	G	G
	340	35	1320	135	15900	1620	05	6145DC	TL	731	63	72	—	G	G
	340	35	1320	135	22100	2250	05	6160DB	TL	731	63	72	—	G	G
2.14	250	25	780	79.5	14700	1500	05	6130DC	TL	841	63	72	—	G	G
	250	25	940	95.8	14700	1500	05	6135DC	TL	841	63	72	—	G	G
	250	25	1230	125	16000	1630	05	6140DC	TL	841	63	72	—	G	G
	250	25	1370	140	15800	1610	05	6145DC	TL	841	63	72	—	G	G
	250	25	1520	155	22100	2250	05	6160DB	TL	841	63	72	—	G	G
	250	25	1520	155	22100	2250	05	6165DB	TL	841	63	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
1.50	440	45	910	92.8	14700	1500	05 — 6130DC — TL — 1003	63	72	—	G	G
	440	45	1050	107	14700	1500	05 — 6135DC — TL — 1003	63	72	—	G	G
	440	45	1230	125	16000	1630	05 — 6140DC — TL — 1003	63	72	—	G	G
	440	45	1370	140	16000	1630	05 — 6145DC — TL — 1003	63	72	—	G	G
	440	45	1760	179	22100	2250	05 — 6160DB — TL — 1003	63	72	—	G	G
	440	45	2100	214	22100	2250	05 — 6165DB — TL — 1003	63	72	—	G	G
	440	45	2170	221	29500	3010	05 — 6170DB — TL — 1003	63	72	—	G	G
1.20	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 1247	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 1247	63	72	—	G	G
	340	35	1230	125	16000	1630	05 — 6140DC — TL — 1247	63	72	—	G	G
	340	35	1370	140	15700	1600	05 — 6145DC — TL — 1247	63	72	—	G	G
	340	35	1740	177	22100	2250	05 — 6160DB — TL — 1247	63	72	—	G	G
	340	35	2100	214	22100	2250	05 — 6165DB — TL — 1247	63	72	—	G	G
	340	35	2530	258	29500	3010	05 — 6170DB — TL — 1247	63	72	—	G	G
	340	35	2700	275	29500	3010	05 — 6175DB — TL — 1247	63	72	—	G	G
1.01	490	50	845	86.1	14700	1500	05 — 6130DC — TL — 1479	63	72	—	G	G
	490	50	975	99.4	14700	1500	05 — 6135DC — TL — 1479	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 1479	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 1479	63	72	—	G	G
	490	50	2050	209	21800	2220	05 — 6165DB — TL — 1479	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 1479	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 1479	63	72	—	G	G
0.811	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 1849	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 1849	63	72	—	G	G
	340	35	1230	125	16000	1630	05 — 6140DC — TL — 1849	63	72	—	G	G
	340	35	1370	140	15700	1600	05 — 6145DC — TL — 1849	63	72	—	G	G
	340	35	1740	177	22100	2250	05 — 6160DB — TL — 1849	63	72	—	G	G
	340	35	2100	214	22100	2250	05 — 6165DB — TL — 1849	63	72	—	G	G
	340	35	2530	258	29500	3010	05 — 6170DB — TL — 1849	63	72	—	G	G
	340	35	3150	321	29500	3010	05 — 6175DB — TL — 1849	63	72	—	G	G
	490	50	4000	408	41700	4250	05 — 6180DA — TL — 1849	65	72	—	G	G
0.726	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 2065	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 2065	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 2065	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 2065	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 2065	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 2065	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 2065	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 2065	63	72	—	G	G
	490	50	4050	413	41700	4250	05 — 6180DA — TL — 2065	65	72	—	G	G
	490	50	4470	456	41700	4250	05 — 6185DA — TL — 2065	65	72	—	G	G
0.591	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 2537	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 2537	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 2537	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 2537	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 2537	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 2537	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 2537	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 2537	63	72	—	G	G
	490	50	4050	413	41700	4250	05 — 6180DA — TL — 2537	65	72	—	G	G
	490	50	5000	510	41600	4240	05 — 6185DA — TL — 2537	65	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
1.79	440	45	910	92.8	14700	1500	05 — 6130DC — TL — 1003	63	72	—	G	G
	440	45	1050	107	14700	1500	05 — 6135DC — TL — 1003	63	72	—	G	G
	440	45	1230	125	16000	1630	05 — 6140DC — TL — 1003	63	72	—	G	G
	440	45	1370	140	16000	1630	05 — 6145DC — TL — 1003	63	72	—	G	G
	440	45	1760	179	22100	2250	05 — 6160DB — TL — 1003	63	72	—	G	G
	440	45	1810	185	22100	2250	05 — 6165DB — TL — 1003	63	72	—	G	G
	440	45	1810	185	29500	3010	05 — 6170DB — TL — 1003	63	72	—	G	G
1.44	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 1247	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 1247	63	72	—	G	G
	340	35	1230	125	16000	1630	05 — 6140DC — TL — 1247	63	72	—	G	G
	340	35	1370	140	15700	1600	05 — 6145DC — TL — 1247	63	72	—	G	G
	340	35	1740	177	22100	2250	05 — 6160DB — TL — 1247	63	72	—	G	G
	340	35	2100	214	22100	2250	05 — 6165DB — TL — 1247	63	72	—	G	G
	340	35	2250	229	29500	3010	05 — 6170DB — TL — 1247	63	72	—	G	G
	340	35	2250	229	29500	3010	05 — 6175DB — TL — 1247	63	72	—	G	G
1.22	490	50	845	86.1	14700	1500	05 — 6130DC — TL — 1479	63	72	—	G	G
	490	50	975	99.4	14700	1500	05 — 6135DC — TL — 1479	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 1479	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 1479	63	72	—	G	G
	490	50	2050	209	21800	2220	05 — 6165DB — TL — 1479	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 1479	63	72	—	G	G
	490	50	2670	272	29500	3010	05 — 6175DB — TL — 1479	63	72	—	G	G
0.973	340	35	780	79.5	14700	1500	05 — 6130DC — TL — 1849	63	72	—	G	G
	340	35	940	95.8	14700	1500	05 — 6135DC — TL — 1849	63	72	—	G	G
	340	35	1230	125	16000	1630	05 — 6140DC — TL — 1849	63	72	—	G	G
	340	35	1370	140	15700	1600	05 — 6145DC — TL — 1849	63	72	—	G	G
	340	35	1740	177	22100	2250	05 — 6160DB — TL — 1849	63	72	—	G	G
	340	35	2100	214	22100	2250	05 — 6165DB — TL — 1849	63	72	—	G	G
	340	35	2530	258	29500	3010	05 — 6170DB — TL — 1849	63	72	—	G	G
	340	35	3150	321	29500	3010	05 — 6175DB — TL — 1849	63	72	—	G	G
	490	50	3340	340	41700	4250	05 — 6180DA — TL — 1849	65	72	—	G	G
0.872	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 2065	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 2065	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 2065	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 2065	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 2065	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 2065	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 2065	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 2065	63	72	—	G	G
	490	50	3730	380	41700	4250	05 — 6180DA — TL — 2065	65	72	—	G	G
	490	50	3730	380	41700	4250	05 — 6185DA — TL — 2065	65	72	—	G	G
0.709	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 2537	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 2537	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 2537	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 2537	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 2537	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 2537	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 2537	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 2537	63	72	—	G	G
	490	50	4050	413	41700	4250	05 — 6180DA — TL — 2537	65	72	—	G	G
	490	50	4580	467	41700	4250	05 — 6185DA — TL — 2537	65	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.493	490	50	845	86.1	14700	1500	05 — 6130DC — TL — 3045	63	72	—	G	G
	490	50	975	99.4	14700	1500	05 — 6135DC — TL — 3045	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 3045	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 3045	63	72	—	G	G
	490	50	2050	209	21800	2220	05 — 6165DB — TL — 3045	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 3045	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 3045	63	72	—	G	G
	490	50	4060	414	41700	4250	05 — 6180DA — TL — 3045	65	72	—	G	G
	490	50	5000	510	41700	4250	05 — 6185DA — TL — 3045	65	72	—	G	G
0.431	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 3481	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 3481	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 3481	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 3481	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 3481	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 3481	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 3481	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 3481	63	72	—	G	G
	490	50	4050	413	41700	4250	05 — 6180DA — TL — 3481	65	72	—	G	G
	490	50	5000	510	41600	4240	05 — 6185DA — TL — 3481	65	72	—	G	G
0.338	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 4437	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 4437	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 4437	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 4437	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 4437	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 4437	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 4437	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 4437	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 4437	65	72	—	G	G
0.292	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 5133	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 5133	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 5133	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 5133	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 5133	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 5133	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 5133	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 5133	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 5133	65	72	—	G	G
0.243	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 6177	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 6177	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 6177	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 6177	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 6177	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 6177	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 6177	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 6177	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 6177	65	72	—	G	G
0.198	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 7569	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 7569	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 7569	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 7569	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 7569	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 7569	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 7569	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 7569	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 7569	65	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.591	490	50	845	86.1	14700	1500	05 — 6130DC — TL — 3045	63	72	—	G	G
	490	50	975	99.4	14700	1500	05 — 6135DC — TL — 3045	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 3045	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 3045	63	72	—	G	G
	490	50	2050	209	21800	2220	05 — 6165DB — TL — 3045	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 3045	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 3045	63	72	—	G	G
	490	50	4060	414	41700	4250	05 — 6180DA — TL — 3045	65	72	—	G	G
	490	50	5000	510	41700	4250	05 — 6185DA — TL — 3045	65	72	—	G	G
0.517	490	50	910	92.8	14700	1500	05 — 6130DC — TL — 3481	63	72	—	G	G
	490	50	1050	107	14700	1500	05 — 6135DC — TL — 3481	63	72	—	G	G
	490	50	1230	125	16000	1630	05 — 6140DC — TL — 3481	63	72	—	G	G
	490	50	1370	140	16000	1630	05 — 6145DC — TL — 3481	63	72	—	G	G
	490	50	1760	179	22100	2250	05 — 6160DB — TL — 3481	63	72	—	G	G
	490	50	2100	214	22100	2250	05 — 6165DB — TL — 3481	63	72	—	G	G
	490	50	2530	258	29500	3010	05 — 6170DB — TL — 3481	63	72	—	G	G
	490	50	3150	321	29500	3010	05 — 6175DB — TL — 3481	63	72	—	G	G
	490	50	4050	413	41700	4250	05 — 6180DA — TL — 3481	65	72	—	G	G
	490	50	5000	510	41600	4240	05 — 6185DA — TL — 3481	65	72	—	G	G
0.406	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 4437	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 4437	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 4437	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 4437	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 4437	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 4437	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 4437	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 4437	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 4437	65	72	—	G	G
0.351	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 5133	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 5133	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 5133	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 5133	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 5133	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 5133	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 5133	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 5133	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 5133	65	72	—	G	G
0.291	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 6177	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 6177	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 6177	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 6177	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 6177	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 6177	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 6177	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 6177	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 6177	65	72	—	G	G
0.238	540	55	845	86.1	14700	1500	05 — 6130DC — TL — 7569	63	72	—	G	G
	540	55	975	99.4	14700	1500	05 — 6135DC — TL — 7569	63	72	—	G	G
	540	55	1230	125	16000	1630	05 — 6140DC — TL — 7569	63	72	—	G	G
	540	55	1760	179	22100	2250	05 — 6160DB — TL — 7569	63	72	—	G	G
	540	55	2050	209	21800	2220	05 — 6165DB — TL — 7569	63	72	—	G	G
	540	55	2530	258	29500	3010	05 — 6170DB — TL — 7569	63	72	—	G	G
	540	55	3150	321	29500	3010	05 — 6175DB — TL — 7569	63	72	—	G	G
	540	55	4060	414	41700	4250	05 — 6180DA — TL — 7569	65	72	—	G	G
	540	55	5000	510	41700	4250	05 — 6185DA — TL — 7569	65	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
0.162	290	30	2530	258	29500	3010	05 — 6170TB — TL — 9251	—	—	69	G	G
	290	30	3150	321	29500	3010	05 — 6175TB — TL — 9251	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 9251	—	—	69	G	G
	490	50	4700	479	41700	4250	05 — 6185TA — TL — 9251	—	—	69	G	G
0.137	290	30	2530	258	29500	3010	05 — 6170TB — TL — 10933	—	—	69	G	G
	290	30	3150	321	29500	3010	05 — 6175TB — TL — 10933	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 10933	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TC — TL — 10933	—	—	69	G	G
0.110	440	45	2530	258	29500	3010	05 — 6170TB — TL — 13629	—	—	69	G	G
	440	45	3150	321	29500	3010	05 — 6175TB — TL — 13629	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 13629	—	—	69	G	G
	490	50	5000	510	41600	4240	05 — 6185TA — TL — 13629	—	—	69	G	G
0.093	340	35	2530	258	29500	3010	05 — 6170TB — TL — 16211	—	—	69	G	G
	340	35	3150	321	29500	3010	05 — 6175TB — TL — 16211	—	—	69	G	G
	490	50	4060	414	41700	4250	05 — 6180TA — TL — 16211	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TA — TL — 16211	—	—	69	G	G
0.074	490	50	4060	414	41700	4250	05 — 6180TA — TL — 20339	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TA — TL — 20339	—	—	69	G	G
	980	100	6380	650	59000	6010	05 — 6190TA — TL — 20339	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 20339	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 20339	—	—	69	G	G
0.062	980	100	6380	650	59000	6010	05 — 6190TA — TL — 24037	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 24037	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 24037	—	—	69	G	G
0.054	980	100	6380	650	58600	5970	05 — 6190TA — TL — 27907	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 27907	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 27907	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 27907	—	—	69	G	G
0.048	980	100	6380	650	59000	6010	05 — 6190TA — TL — 31433	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 31433	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 31433	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 31433	—	—	69	G	G
0.039	980	100	6380	650	58600	5970	05 — 6190TA — TL — 38291	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 38291	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 38291	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 38291	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 38291	—	—	69	G	G
0.035	980	100	6380	650	58600	5970	05 — 6190TA — TL — 43129	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 43129	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 43129	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 43129	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 43129	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 43129	—	—	69	G	G
0.028	980	100	6380	650	59000	6010	05 — 6190TA — TL — 53621	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 53621	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 53621	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 53621	—	—	69	G	G
	3430	350	16000	1630	145000	14800	05 — 6225TB — TL — 53621	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 53621	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 53621	—	—	69	G	G
0.025	980	100	6380	650	58600	5970	05 — 6190TA — TL — 59177	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 59177	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 59177	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 59177	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 59177	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 59177	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 59177	—	—	69	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.195	290	30	2530	258	29500	3010	05 — 6170TB — TL — 9251	—	—	69	G	G
	290	30	3150	321	29500	3010	05 — 6175TB — TL — 9251	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 9251	—	—	69	G	G
	490	50	4700	479	41700	4250	05 — 6185TA — TL — 9251	—	—	69	G	G
0.165	290	30	2530	258	29500	3010	05 — 6170TB — TL — 10933	—	—	69	G	G
	290	30	3150	321	29500	3010	05 — 6175TB — TL — 10933	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 10933	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TC — TL — 10933	—	—	69	G	G
0.132	440	45	2530	258	29500	3010	05 — 6170TB — TL — 13629	—	—	69	G	G
	440	45	3150	321	29500	3010	05 — 6175TB — TL — 13629	—	—	69	G	G
	490	50	4050	413	41700	4250	05 — 6180TA — TL — 13629	—	—	69	G	G
	490	50	5000	510	41600	4240	05 — 6185TA — TL — 13629	—	—	69	G	G
0.111	340	35	2530	258	29500	3010	05 — 6170TB — TL — 16211	—	—	69	G	G
	340	35	3150	321	29500	3010	05 — 6175TB — TL — 16211	—	—	69	G	G
	490	50	4060	414	41700	4250	05 — 6180TA — TL — 16211	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TA — TL — 16211	—	—	69	G	G
0.088	490	50	4060	414	41700	4250	05 — 6180TA — TL — 20339	—	—	69	G	G
	490	50	5000	510	41700	4250	05 — 6185TA — TL — 20339	—	—	69	G	G
	980	100	6380	650	59000	6010	05 — 6190TA — TL — 20339	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 20339	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 20339	—	—	69	G	G
0.075	980	100	6380	650	59000	6010	05 — 6190TA — TL — 24037	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 24037	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 24037	—	—	69	G	G
0.064	980	100	6380	650	58600	5970	05 — 6190TA — TL — 27907	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 27907	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 27907	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 27907	—	—	69	G	G
0.057	980	100	6380	650	59000	6010	05 — 6190TA — TL — 31433	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 31433	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 31433	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 31433	—	—	69	G	G
0.047	980	100	6380	650	58600	5970	05 — 6190TA — TL — 38291	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 38291	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 38291	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 38291	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 38291	—	—	69	G	G
0.042	980	100	6380	650	58600	5970	05 — 6190TA — TL — 43129	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 43129	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 43129	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 43129	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 43129	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 43129	—	—	69	G	G
0.034	980	100	6380	650	59000	6010	05 — 6190TA — TL — 53621	—	—	69	G	G
	980	100	7960	811	59000	6010	05 — 6195TA — TL — 53621	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 53621	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 53621	—	—	69	G	G
	3430	350	16000	1630	145000	14800	05 — 6225TB — TL — 53621	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 53621	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 53621	—	—	69	G	G
0.030	980	100	6380	650	58600	5970	05 — 6190TA — TL — 59177	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 59177	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 59177	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 59177	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 59177	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 59177	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 59177	—	—	69	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.020	980	100	6380	650	58600	5970	05 — 6190TA — TL — 73573	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 73573	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 73573	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 73573	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 73573	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 73573	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 73573	—	—	69	G	G
	8340	850	34500	3520	258000	26300	05 — 6255TA — TL — 73573	—	—	69	G	G
0.019	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 79507	—	—	69	G	G
	3430	350	16000	1630	145000	14800	05 — 6225TB — TL — 79507	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 79507	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 79507	—	—	69	G	G
	7360	750	34500	3520	258000	26300	05 — 6255TA — TL — 79507	—	—	69	G	G
0.014	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 109091	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 109091	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 109091	—	—	69	G	G
	8340	850	34500	3520	258000	26300	05 — 6255TA — TL — 109091	—	—	69	G	G
0.010	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 149683	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 149683	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 149683	—	—	69	G	G
	8440	860	34500	3520	258000	26300	05 — 6255TA — TL — 149683	—	—	69	G	G
0.0034	3430	350	15100	1540	145000	14800	05 — 6225TB — TL — 446571	—	—	69	G	G
	5000	510	17200	1750	179000	18200	05 — 6235TA — TL — 446571	—	—	69	G	G
	5400	550	22600	2300	208000	21200	05 — 6245TA — TL — 446571	—	—	69	G	G
	7360	750	31000	3160	258000	26300	05 — 6255TA — TL — 446571	—	—	69	G	G
0.0023	3430	350	15100	1540	145000	14800	05 — 6225TB — TL — 658503	—	—	69	G	G
	5000	510	17200	1750	179000	18200	05 — 6235TA — TL — 658503	—	—	69	G	G
	5400	550	22600	2300	208000	21200	05 — 6245TA — TL — 658503	—	—	69	G	G
	21100	2150	31000	3160	258000	26300	05 — 6255TD — TL — 658503	—	—	69	G	G

0.55kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
29.4	50	5	165	16.8	5400	550	08 — 6100 — TL — 51	61	71	—	MF	MF
25.4	50	5	190	19.4	5400	550	08 — 6105 — TL — 59	61	71	—	MF	MF
21.1	50	5	230	23.4	5390	550	08 — 6105 — TL — 71	61	71	—	MF	MF
17.2	50	5	275	28.0	5380	545	08 — 6105 — TL — 87	61	71	—	MF	MF
5.49	200	20	780	79.5	14700	1500	08 — 6130DC — TL — 273	63	72	—	G	G
4.70	250	25	780	79.5	14700	1500	08 — 6130DC — TL — 319	63	72	—	G	G
	250	25	940	95.8	14700	1500	08 — 6135DC — TL — 319	63	72	—	G	G
3.98	250	25	780	79.5	14700	1500	08 — 6130DC — TL — 377	63	72	—	G	G
	250	25	940	95.8	14700	1500	08 — 6135DC — TL — 377	63	72	—	G	G
	250	25	1120	114	16000	1630	08 — 6140DC — TL — 377	63	72	—	G	G
3.17	340	35	940	95.8	14700	1500	08 — 6135DC — TL — 473	63	72	—	G	G
	340	35	1230	125	16000	1630	08 — 6140DC — TL — 473	63	72	—	G	G
	340	35	1370	140	15700	1600	08 — 6145DC — TL — 473	63	72	—	G	G
2.68	340	35	1230	125	16000	1630	08 — 6140DC — TL — 559	63	72	—	G	G
	340	35	1370	140	15700	1600	08 — 6145DC — TL — 559	63	72	—	G	G
	340	35	1660	169	22100	2250	08 — 6160DB — TL — 559	63	72	—	G	G
2.31	440	45	1370	140	16000	1630	08 — 6145DC — TL — 649	63	72	—	G	G
	440	45	1760	179	22100	2250	08 — 6160DB — TL — 649	63	72	—	G	G
	440	45	1930	197	22100	2250	08 — 6165DB — TL — 649	63	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.024	980	100	6380	650	58600	5970	05 — 6190TA — TL — 73573	—	—	69	G	G
	980	100	7960	811	58100	5930	05 — 6195TA — TL — 73573	—	—	69	G	G
	2160	220	9300	948	84100	8570	05 — 6205TD — TL — 73573	—	—	69	G	G
	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 73573	—	—	69	G	G
	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 73573	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 73573	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 73573	—	—	69	G	G
	8340	850	34500	3520	258000	26300	05 — 6255TA — TL — 73573	—	—	69	G	G
0.023	2650	270	12700	1290	104000	10600	05 — 6215TB — TL — 79507	—	—	69	G	G
	3430	350	16000	1630	145000	14800	05 — 6225TB — TL — 79507	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 79507	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 79507	—	—	69	G	G
	7360	750	34500	3520	258000	26300	05 — 6255TA — TL — 79507	—	—	69	G	G
0.016	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 109091	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 109091	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 109091	—	—	69	G	G
	8340	850	34500	3520	258000	26300	05 — 6255TA — TL — 109091	—	—	69	G	G
0.012	3430	350	15900	1620	145000	14800	05 — 6225TB — TL — 149683	—	—	69	G	G
	4410	450	20500	2090	179000	18200	05 — 6235TA — TL — 149683	—	—	69	G	G
	5400	550	25800	2630	208000	21200	05 — 6245TA — TL — 149683	—	—	69	G	G
	8440	860	34500	3520	258000	26300	05 — 6255TA — TL — 149683	—	—	69	G	G
0.0040	3430	350	15100	1540	145000	14800	05 — 6225TB — TL — 446571	—	—	69	G	G
	5000	510	17200	1750	179000	18200	05 — 6235TA — TL — 446571	—	—	69	G	G
	5400	550	22600	2300	208000	21200	05 — 6245TA — TL — 446571	—	—	69	G	G
	7360	750	31000	3160	258000	26300	05 — 6255TA — TL — 446571	—	—	69	G	G
0.0027	3430	350	15100	1540	145000	14800	05 — 6225TB — TL — 658503	—	—	69	G	G
	5000	510	17200	1750	179000	18200	05 — 6235TA — TL — 658503	—	—	69	G	G
	5400	550	22600	2300	208000	21200	05 — 6245TA — TL — 658503	—	—	69	G	G
	21100	2150	31000	3160	258000	26300	05 — 6255TD — TL — 658503	—	—	69	G	G

0.55kW 60Hz

Motor Speed n_1

4P

1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
35.3	50	5	135	13.8	5400	550	08 — 6100 — TL — 51	61	71	—	MF	MF
30.5	50	5	155	15.8	5400	550	08 — 6105 — TL — 59	61	71	—	MF	MF
25.4	50	5	190	19.4	5400	550	08 — 6105 — TL — 71	61	71	—	MF	MF
20.7	50	5	235	24.0	5400	550	08 — 6105 — TL — 87	61	71	—	MF	MF
6.59	200	20	675	68.8	14700	1500	08 — 6130DC — TL — 273	63	72	—	G	G
5.64	250	25	780	79.5	14700	1500	08 — 6130DC — TL — 319	63	72	—	G	G
	250	25	790	80.5	14700	1500	08 — 6135DC — TL — 319	63	72	—	G	G
4.77	250	25	780	79.5	14700	1500	08 — 6130DC — TL — 377	63	72	—	G	G
	250	25	935	95.3	14700	1500	08 — 6135DC — TL — 377	63	72	—	G	G
	250	25	935	95.3	16000	1630	08 — 6140DC — TL — 377	63	72	—	G	G
3.81	340	35	940	95.8	14700	1500	08 — 6135DC — TL — 473	63	72	—	G	G
	340	35	1170	119	16000	1630	08 — 6140DC — TL — 473	63	72	—	G	G
	340	35	1170	119	16000	1630	08 — 6145DC — TL — 473	63	72	—	G	G
3.22	340	35	1230	125	16000	1630	08 — 6140DC — TL — 559	63	72	—	G	G
	340	35	1370	140	15700	1600	08 — 6145DC — TL — 559	63	72	—	G	G
	340	35	1390	142	22100	2250	08 — 6160DB — TL — 559	63	72	—	G	G
2.77	440	45	1370	140	16000	1630	08 — 6145DC — TL — 649	63	72	—	G	G
	440	45	1610	164	22100	2250	08 — 6160DB — TL — 649	63	72	—	G	G
	440	45	1610	164	22100	2250	08 — 6165DB — TL — 649	63	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

0.55kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing CNHM CHHM	CNH CHH	CVVM	Lubrication method Shaft dimension H	V
	N·m	kgf·m	N·m	kgf·m	N	kgf									
2.05	340	35	1740	177	22100	2250	08	6160DB	TL	731	63	72	—	G	G
	340	35	2100	214	22100	2250	08	6165DB	TL	731	63	72	—	G	G
1.78	250	25	1760	179	22100	2250	08	6160DB	TL	841	63	72	—	G	G
	250	25	2100	214	22100	2250	08	6165DB	TL	841	63	72	—	G	G
	290	30	2500	255	29500	3010	08	6170DB	TL	841	63	72	—	G	G
1.50	440	45	2100	214	22100	2250	08	6165DB	TL	1003	63	72	—	G	G
	440	45	2530	258	29500	3010	08	6170DB	TL	1003	63	72	—	G	G
	440	45	2990	305	29500	3010	08	6175DB	TL	1003	63	72	—	G	G
1.20	340	35	2530	258	29500	3010	08	6170DB	TL	1247	63	72	—	G	G
	340	35	3150	321	29500	3010	08	6175DB	TL	1247	63	72	—	G	G
	490	50	3710	378	41700	4250	08	6180DA	TL	1247	65	72	—	G	G
1.01	490	50	3150	321	29500	3010	08	6175DB	TL	1479	63	72	—	G	G
	490	50	4060	414	41700	4250	08	6180DA	TL	1479	65	72	—	G	G
0.811	490	50	4060	414	41700	4250	08	6180DA	TL	1849	65	72	—	G	G
	490	50	5000	510	41700	4250	08	6185DA	TL	1849	65	72	—	G	G
0.726	490	50	5000	510	41600	4240	08	6185DA	TL	2065	65	72	—	G	G

0.75kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing CNHM CHHM	CNH CHH	CVVM	Lubrication method Shaft dimension H	V
	N·m	kgf·m	N·m	kgf·m	N	kgf									
60.0	50	5	110	11.2	5400	550	1	6100	TL	25	61	71	—	MF	MF
51.7	50	5	125	12.7	5400	550	1	6100	TL	29	61	71	—	MF	MF
42.9	50	5	155	15.8	5400	550	1	6100	TL	35	61	71	—	MF	MF
34.9	50	5	190	19.4	5400	550	1	6100	TL	43	61	71	—	MF	MF
29.4	50	5	225	22.9	5400	550	1	6105	TL	51	61	71	—	MF	MF
25.4	50	5	260	26.5	5400	550	1	6105	TL	59	61	71	—	MF	MF
21.1	50	5	310	31.6	9810	1000	1	6125	TL	71	61	71	—	MF	MF
17.2	100	10	380	38.7	14700	1500	1	6130	TL	87	61	71	—	PB	G
10.5	100	10	580	59.1	14700	1500	1	6130DC	TL	143	63	72	—	G	G
9.09	150	15	670	68.3	14700	1500	1	6130DC	TL	165	63	72	—	G	G
7.69	150	15	780	79.5	14700	1500	1	6130DC	TL	195	63	72	—	G	G
	150	15	790	80.5	14700	1500	1	6135DC	TL	195	63	72	—	G	G
6.49	200	20	780	79.5	14700	1500	1	6130DC	TL	231	63	72	—	G	G
	200	20	935	95.3	14700	1500	1	6135DC	TL	231	63	72	—	G	G
5.49	200	20	780	79.5	14700	1500	1	6130DC	TL	273	63	72	—	G	G
	200	20	940	95.8	14700	1500	1	6135DC	TL	273	63	72	—	G	G
	200	20	1110	113	16000	1630	1	6140DC	TL	273	63	72	—	G	G
4.70	250	25	940	95.8	14700	1500	1	6135DC	TL	319	63	72	—	G	G
	250	25	1230	125	16000	1630	1	6140DC	TL	319	63	72	—	G	G
	250	25	1290	131	16000	1630	1	6145DC	TL	319	63	72	—	G	G
3.98	250	25	1230	125	16000	1630	1	6140DC	TL	377	63	72	—	G	G
	250	25	1370	140	15800	1610	1	6145DC	TL	377	63	72	—	G	G
	250	25	1530	156	22100	2250	1	6160DB	TL	377	63	72	—	G	G
3.17	340	35	1370	140	15700	1600	1	6145DC	TL	473	63	72	—	G	G
	340	35	1740	177	22100	2250	1	6160DB	TL	473	63	72	—	G	G
	340	35	1920	196	22100	2250	1	6165DB	TL	473	63	72	—	G	G
2.68	340	35	1740	177	22100	2250	1	6160DB	TL	559	63	72	—	G	G
	340	35	2100	214	22100	2250	1	6165DB	TL	559	63	72	—	G	G
	340	35	2270	231	29500	3010	1	6170DB	TL	559	63	72	—	G	G
2.31	440	45	2100	214	22100	2250	1	6165DB	TL	649	63	72	—	G	G
	440	45	2530	258	29500	3010	1	6170DB	TL	649	63	72	—	G	G
	440	45	2630	268	29500	3010	1	6175DB	TL	649	63	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
2.46	340	35	1740	177	22100	2250	08 — 6160DB — TL — 731	63	72	—	G	G
	340	35	1810	185	22100	2250	08 — 6165DB — TL — 731	63	72	—	G	G
2.14	250	25	1760	179	22100	2250	08 — 6160DB — TL — 841	63	72	—	G	G
	250	25	2090	213	22100	2250	08 — 6165DB — TL — 841	63	72	—	G	G
	290	30	2090	213	29500	3010	08 — 6170DB — TL — 841	63	72	—	G	G
1.79	440	45	2100	214	22100	2250	08 — 6165DB — TL — 1003	63	72	—	G	G
	440	45	2490	254	29500	3010	08 — 6170DB — TL — 1003	63	72	—	G	G
	440	45	2490	254	29500	3010	08 — 6175DB — TL — 1003	63	72	—	G	G
1.44	340	35	2530	258	29500	3010	08 — 6170DB — TL — 1247	63	72	—	G	G
	340	35	3090	315	29500	3010	08 — 6175DB — TL — 1247	63	72	—	G	G
	490	50	3090	315	41700	4250	08 — 6180DA — TL — 1247	65	72	—	G	G
1.22	490	50	3150	321	29500	3010	08 — 6175DB — TL — 1479	63	72	—	G	G
	490	50	3670	374	41700	4250	08 — 6180DA — TL — 1479	65	72	—	G	G
0.973	490	50	4060	414	41700	4250	08 — 6180DA — TL — 1849	65	72	—	G	G
	490	50	4590	468	41700	4250	08 — 6185DA — TL — 1849	65	72	—	G	G
0.872	490	50	5000	510	41600	4240	08 — 6185DA — TL — 2065	65	72	—	G	G

0.75kW 60Hz

Motor Speed n_1

4P

1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
72.0	50	5	92	9.38	5400	550	1 — 6100 — TL — 25	61	71	—	MF	MF
62.1	50	5	105	10.7	5400	550	1 — 6100 — TL — 29	61	71	—	MF	MF
51.4	50	5	125	12.7	5400	550	1 — 6100 — TL — 35	61	71	—	MF	MF
41.9	50	5	155	15.8	5400	550	1 — 6100 — TL — 43	61	71	—	MF	MF
35.3	50	5	185	18.9	5400	550	1 — 6105 — TL — 51	61	71	—	MF	MF
30.5	50	5	215	21.9	5380	545	1 — 6105 — TL — 59	61	71	—	MF	MF
25.4	50	5	260	26.5	9810	1000	1 — 6125 — TL — 71	61	71	—	MF	MF
20.7	100	10	320	32.6	14200	1450	1 — 6130 — TL — 87	61	71	—	PB	G
12.6	100	10	480	48.9	14700	1500	1 — 6130DC — TL — 143	63	72	—	G	G
10.9	150	15	555	56.6	14700	1500	1 — 6130DC — TL — 165	63	72	—	G	G
9.23	150	15	660	67.3	14700	1500	1 — 6130DC — TL — 195	63	72	—	G	G
	150	15	660	67.3	14700	1500	1 — 6135DC — TL — 195	63	72	—	G	G
7.79	200	20	780	79.5	14700	1500	1 — 6130DC — TL — 231	63	72	—	G	G
	200	20	780	79.5	14700	1500	1 — 6135DC — TL — 231	63	72	—	G	G
6.59	200	20	780	79.5	14700	1500	1 — 6130DC — TL — 273	63	72	—	G	G
	200	20	920	93.8	14700	1500	1 — 6135DC — TL — 273	63	72	—	G	G
	200	20	920	93.8	16000	1630	1 — 6140DC — TL — 273	63	72	—	G	G
5.64	250	25	940	95.8	14700	1500	1 — 6135DC — TL — 319	63	72	—	G	G
	250	25	1080	110	16000	1630	1 — 6140DC — TL — 319	63	72	—	G	G
	250	25	1080	110	16000	1630	1 — 6145DC — TL — 319	63	72	—	G	G
4.77	250	25	1230	125	16000	1630	1 — 6140DC — TL — 377	63	72	—	G	G
	250	25	1280	130	16000	1630	1 — 6145DC — TL — 377	63	72	—	G	G
	250	25	1280	130	22100	2250	1 — 6160DB — TL — 377	63	72	—	G	G
3.81	340	35	1370	140	15700	1600	1 — 6145DC — TL — 473	63	72	—	G	G
	340	35	1600	163	22100	2250	1 — 6160DB — TL — 473	63	72	—	G	G
	340	35	1600	163	22100	2250	1 — 6165DB — TL — 473	63	72	—	G	G
3.22	340	35	1740	177	22100	2250	1 — 6160DB — TL — 559	63	72	—	G	G
	340	35	1890	193	22100	2250	1 — 6165DB — TL — 559	63	72	—	G	G
	340	35	1890	193	29500	3010	1 — 6170DB — TL — 559	63	72	—	G	G
2.77	440	45	2100	214	22100	2250	1 — 6165DB — TL — 649	63	72	—	G	G
	440	45	2200	224	29500	3010	1 — 6170DB — TL — 649	63	72	—	G	G
	440	45	2200	224	29500	3010	1 — 6175DB — TL — 649	63	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
2.05	340	35	2100	214	22100	2250	1 — 6165DB — TL — 731	63	72	—	G	G
	340	35	2530	258	29500	3010	1 — 6170DB — TL — 731	63	72	—	G	G
	340	35	2970	303	29500	3010	1 — 6175DB — TL — 731	63	72	—	G	G
1.78	290	30	2530	258	29500	3010	1 — 6170DB — TL — 841	63	72	—	G	G
	290	30	3150	321	29500	3010	1 — 6175DB — TL — 841	63	72	—	G	G
	490	50	3410	348	41700	4250	1 — 6180DA — TL — 841	65	72	—	G	G
1.50	440	45	3150	321	29500	3010	1 — 6175DB — TL — 1003	63	72	—	G	G
	490	50	4050	413	41700	4250	1 — 6180DA — TL — 1003	65	72	—	G	G
	490	50	4070	415	41700	4250	1 — 6185DA — TL — 1003	65	72	—	G	G
1.20	490	50	4060	414	41700	4250	1 — 6180DA — TL — 1247	65	72	—	G	G
	490	50	5000	510	41700	4250	1 — 6185DA — TL — 1247	65	72	—	G	G
1.01	490	50	4060	414	41700	4250	1 — 6180DA — TL — 1479	65	72	—	G	G
	490	50	5000	510	41700	4250	1 — 6185DA — TL — 1479	65	72	—	G	G
	980	100	6000	612	59000	6010	1 — 6190DA — TL — 1479	65	72	—	PB	P
0.811	980	100	6380	650	59000	6010	1 — 6190DA — TL — 1849	65	72	—	PB	P
	980	100	7500	765	59000	6010	1 — 6195DA — TL — 1849	65	72	—	PB	P
0.726	980	100	6380	650	58600	5970	1 — 6190DA — TL — 2065	65	72	—	PB	P
	980	100	7960	811	58100	5930	1 — 6195DA — TL — 2065	65	72	—	PB	P
0.591	980	100	6380	650	58600	5970	1 — 6190DA — TL — 2537	65	72	—	PB	G
	980	100	7960	811	58100	5930	1 — 6195DA — TL — 2537	65	72	—	PB	G
	2160	220	9300	948	84100	8570	1 — 6205DB — TL — 2537	65	73	—	PB	G
0.493	980	100	6380	650	58900	6000	1 — 6190DA — TL — 3045	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 3045	65	72	—	PB	G
0.431	980	100	6380	650	58600	5970	1 — 6190DA — TL — 3481	65	72	—	PB	G
	980	100	7960	811	58100	5930	1 — 6195DA — TL — 3481	65	72	—	PB	G
	2160	220	9300	948	84100	8570	1 — 6205DB — TL — 3481	65	73	—	PB	G
0.338	980	100	6380	650	58900	6000	1 — 6190DA — TL — 4437	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 4437	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 4437	65	73	—	PB	G
0.292	980	100	6380	650	58900	6000	1 — 6190DA — TL — 5133	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 5133	65	72	—	PB	G
	2160	220	9300	948	84100	8570	1 — 6205DB — TL — 5133	65	73	—	PB	G
0.243	980	100	6380	650	58900	6000	1 — 6190DA — TL — 6177	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 6177	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 6177	65	73	—	PB	G
0.198	980	100	6380	650	58900	6000	1 — 6190DA — TL — 7569	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 7569	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 7569	65	73	—	PB	G
0.162	980	100	6380	650	59000	6010	1 — 6190TD — TL — 9251	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 9251	—	—	69	G	G
	2160	220	9230	941	84100	8570	1 — 6205TD — TL — 9251	—	—	69	G	G
	2650	270	12200	1240	104000	10600	1 — 6215TB — TL — 9251	—	—	69	G	G
0.137	980	100	6380	650	59000	6010	1 — 6190TD — TL — 10933	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 10933	—	—	69	G	G
	2160	220	9230	941	84100	8570	1 — 6205TD — TL — 10933	—	—	69	G	G
	2650	270	11400	1160	104000	10600	1 — 6215TB — TL — 10933	—	—	69	G	G
0.110	1370	140	6380	650	58600	5970	1 — 6190TD — TL — 13629	—	—	69	G	G
	1370	140	7960	811	58100	5930	1 — 6195TD — TL — 13629	—	—	69	G	G
	2160	220	9300	948	84100	8570	1 — 6205TD — TL — 13629	—	—	69	G	G
0.093	980	100	6380	650	59000	6010	1 — 6190TD — TL — 16211	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 16211	—	—	69	G	G
	2160	220	9300	948	84100	8570	1 — 6205TD — TL — 16211	—	—	69	G	G
	2650	270	12700	1290	104000	10600	1 — 6215TB — TL — 16211	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 16211	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 16211	—	—	69	G	G
0.074	2650	270	12700	1290	104000	10600	1 — 6215TB — TL — 20339	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 20339	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 20339	—	—	69	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

0.75kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
2.46	340	35	2100	214	22100	2250	1 — 6165DB — TL — 731	63	72	—	G	G
	340	35	2470	252	29500	3010	1 — 6170DB — TL — 731	63	72	—	G	G
	340	35	2470	252	29500	3010	1 — 6175DB — TL — 731	63	72	—	G	G
2.14	290	30	2530	258	29500	3010	1 — 6170DB — TL — 841	63	72	—	G	G
	290	30	2840	290	29500	3010	1 — 6175DB — TL — 841	63	72	—	G	G
	490	50	2840	290	41700	4250	1 — 6180DA — TL — 841	65	72	—	G	G
1.79	440	45	3150	321	29500	3010	1 — 6175DB — TL — 1003	63	72	—	G	G
	490	50	3390	346	41700	4250	1 — 6180DA — TL — 1003	65	72	—	G	G
	490	50	3390	346	41700	4250	1 — 6185DA — TL — 1003	65	72	—	G	G
1.44	490	50	4060	414	41700	4250	1 — 6180DA — TL — 1247	65	72	—	G	G
	490	50	4220	430	41700	4250	1 — 6185DA — TL — 1247	65	72	—	G	G
1.22	490	50	4060	414	41700	4250	1 — 6180DA — TL — 1479	65	72	—	G	G
	490	50	5000	510	41700	4250	1 — 6185DA — TL — 1479	65	72	—	G	G
	980	100	5000	510	59000	6010	1 — 6190DA — TL — 1479	65	72	—	PB	P
0.973	980	100	6250	637	59000	6010	1 — 6190DA — TL — 1849	65	72	—	PB	P
	980	100	6250	637	59000	6010	1 — 6195DA — TL — 1849	65	72	—	PB	P
0.872	980	100	6380	650	58600	5970	1 — 6190DA — TL — 2065	65	72	—	PB	P
	980	100	6980	712	58400	5950	1 — 6195DA — TL — 2065	65	72	—	PB	P
0.709	980	100	6380	650	58600	5970	1 — 6190DA — TL — 2537	65	72	—	PB	G
	980	100	7960	811	58100	5930	1 — 6195DA — TL — 2537	65	72	—	PB	G
	2160	220	8580	875	84100	8570	1 — 6205DB — TL — 2537	65	73	—	PB	G
0.591	980	100	6380	650	58900	6000	1 — 6190DA — TL — 3045	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 3045	65	72	—	PB	G
0.517	980	100	6380	650	58600	5970	1 — 6190DA — TL — 3481	65	72	—	PB	G
	980	100	7960	811	58100	5930	1 — 6195DA — TL — 3481	65	72	—	PB	G
	2160	220	9300	948	84100	8570	1 — 6205DB — TL — 3481	65	73	—	PB	G
0.406	980	100	6380	650	58900	6000	1 — 6190DA — TL — 4437	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 4437	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 4437	65	73	—	PB	G
0.351	980	100	6380	650	58900	6000	1 — 6190DA — TL — 5133	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 5133	65	72	—	PB	G
	2160	220	9300	948	84100	8570	1 — 6205DB — TL — 5133	65	73	—	PB	G
0.291	980	100	6380	650	58900	6000	1 — 6190DA — TL — 6177	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 6177	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 6177	65	73	—	PB	G
0.238	980	100	6380	650	58900	6000	1 — 6190DA — TL — 7569	65	72	—	PB	G
	980	100	7960	811	58400	5950	1 — 6195DA — TL — 7569	65	72	—	PB	G
	2160	220	8760	893	84100	8570	1 — 6205DB — TL — 7569	65	73	—	PB	G
0.195	980	100	6380	650	59000	6010	1 — 6190TD — TL — 9251	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 9251	—	—	69	G	G
	2160	220	9230	941	84100	8570	1 — 6205TD — TL — 9251	—	—	69	G	G
	2650	270	12200	1240	104000	10600	1 — 6215TB — TL — 9251	—	—	69	G	G
0.165	980	100	6380	650	59000	6010	1 — 6190TD — TL — 10933	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 10933	—	—	69	G	G
	2160	220	9230	941	84100	8570	1 — 6205TD — TL — 10933	—	—	69	G	G
	2650	270	11400	1160	104000	10600	1 — 6215TB — TL — 10933	—	—	69	G	G
0.132	1370	140	6380	650	58600	5970	1 — 6190TD — TL — 13629	—	—	69	G	G
	1370	140	7960	811	58100	5930	1 — 6195TD — TL — 13629	—	—	69	G	G
	2160	220	9300	948	84100	8570	1 — 6205TD — TL — 13629	—	—	69	G	G
0.111	980	100	6380	650	59000	6010	1 — 6190TD — TL — 16211	—	—	69	G	G
	980	100	7960	811	59000	6010	1 — 6195TD — TL — 16211	—	—	69	G	G
	2160	220	9300	948	84100	8570	1 — 6205TD — TL — 16211	—	—	69	G	G
	2650	270	12700	1290	104000	10600	1 — 6215TB — TL — 16211	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 16211	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 16211	—	—	69	G	G
0.088	2650	270	12700	1290	104000	10600	1 — 6215TB — TL — 20339	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 20339	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 20339	—	—	69	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
0.062	2650	270	12700	1290	104000	10600	1	6215TB	TL	24037	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1	6225TB	TL	24037	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1	6235TA	TL	24037	—	—	69	G	G
0.054	3430	350	15900	1620	145000	14800	1	6225TB	TL	27907	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1	6235TA	TL	27907	—	—	69	G	G
0.048	3430	350	16000	1630	145000	14800	1	6225TB	TL	31433	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1	6235TA	TL	31433	—	—	69	G	G
	5400	550	25800	2630	208000	21200	1	6245TA	TL	31433	—	—	69	G	G
0.039	4410	450	20500	2090	179000	18200	1	6235TA	TL	38291	—	—	69	G	G
	5400	550	25800	2630	208000	21200	1	6245TA	TL	38291	—	—	69	G	G
	8440	860	34500	3520	258000	26300	1	6255TA	TL	38291	—	—	69	G	G
0.035	5400	550	25800	2630	208000	21200	1	6245TA	TL	43129	—	—	69	G	G
	8340	850	34500	3520	258000	26300	1	6255TA	TL	43129	—	—	69	G	G
0.028	7360	750	34500	3520	258000	26300	1	6255TA	TL	53621	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	1	6265TA	TL	53621	—	—	69	PB	G
0.025	8440	860	34500	3520	258000	26300	1	6255TA	TL	59177	—	—	69	G	G
	14200	1450	46000	4690	276000	28100	1	6265TA	TL	59177	—	—	69	PB	G
0.020	14200	1450	46000	4690	276000	28100	1	6265TA	TL	73573	—	—	69	PB	G
0.019	10300	1050	46000	4690	276000	28100	1	6265TA	TL	79507	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1	6275TA	TL	79507	—	—	—	PB	G
0.014	14200	1450	46000	4690	276000	28100	1	6265TA	TL	109091	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1	6275TA	TL	109091	—	—	—	PB	G
0.010	14200	1450	46000	4690	276000	28100	1	6265TA	TL	149683	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1	6275TA	TL	149683	—	—	—	PB	G
0.0034	10300	1050	44000	4490	276000	28100	1	6265TA	TL	446571	—	—	69	PB	G
	21100	2150	68200	6950	245000	25000	1	6275TA	TL	446571	—	—	—	PB	G
0.0023	21100	2150	44000	4490	276000	28100	1	6265TA	TL	658503	—	—	69	PB	G
	21100	2150	68200	6950	245000	25000	1	6275TA	TL	658503	—	—	—	PB	G

1.1kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
60.0	50	5	160	16.3	5400	550	1H	6100	TL	25	61	71	—	MF	MF
51.7	50	5	185	18.9	5400	550	1H	6100	TL	29	61	71	—	MF	MF
42.9	50	5	225	22.9	5400	550	1H	6105	TL	35	61	71	—	MF	MF
34.9	50	5	270	27.5	5400	550	1H	6105	TL	43	61	71	—	MF	MF
29.4	50	5	330	33.6	9810	1000	1H	6120	TL	51	61	71	—	MF	MF
25.4	100	10	380	38.7	13100	1340	1H	6130	TL	59	61	71	—	PB	G
21.1	100	10	460	46.9	13900	1410	1H	6130	TL	71	61	71	—	PB	G
17.2	100	10	560	57.1	14700	1500	1H	6130	TL	87	61	71	—	PB	G
10.5	100	10	780	79.5	14700	1500	1H	6130DC	TL	143	63	72	—	G	G
	100	10	850	86.6	14700	1500	1H	6135DC	TL	143	63	72	—	G	G
9.09	150	15	780	79.5	14700	1500	1H	6130DC	TL	165	63	72	—	G	G
	150	15	940	95.8	14700	1500	1H	6135DC	TL	165	63	72	—	G	G
7.69	150	15	780	79.5	14700	1500	1H	6130DC	TL	195	63	72	—	G	G
	150	15	940	95.8	14700	1500	1H	6135DC	TL	195	63	72	—	G	G
	150	15	1160	118	16000	1630	1H	6140DC	TL	195	63	72	—	G	G
6.49	200	20	940	95.8	14700	1500	1H	6135DC	TL	231	63	72	—	G	G
	200	20	1230	125	16000	1630	1H	6140DC	TL	231	63	72	—	G	G
	200	20	1380	141	22100	2250	1H	6160DB	TL	231	63	72	—	G	G
5.49	200	20	1230	125	16000	1630	1H	6140DC	TL	273	63	72	—	G	G
	200	20	1630	166	22100	2250	1H	6160DB	TL	273	63	72	—	G	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

0.75kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.075	2650	270	12700	1290	104000	10600	1 — 6215TB — TL — 24037	—	—	69	G	G
	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 24037	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 24037	—	—	69	G	G
0.064	3430	350	15900	1620	145000	14800	1 — 6225TB — TL — 27907	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 27907	—	—	69	G	G
0.057	3430	350	16000	1630	145000	14800	1 — 6225TB — TL — 31433	—	—	69	G	G
	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 31433	—	—	69	G	G
	5400	550	25800	2630	208000	21200	1 — 6245TA — TL — 31433	—	—	69	G	G
0.047	4410	450	20500	2090	179000	18200	1 — 6235TA — TL — 38291	—	—	69	G	G
	5400	550	25800	2630	208000	21200	1 — 6245TA — TL — 38291	—	—	69	G	G
	8440	860	34500	3520	258000	26300	1 — 6255TA — TL — 38291	—	—	69	G	G
0.042	5400	550	25800	2630	208000	21200	1 — 6245TA — TL — 43129	—	—	69	G	G
	8340	850	34500	3520	258000	26300	1 — 6255TA — TL — 43129	—	—	69	G	G
0.034	7360	750	34500	3520	258000	26300	1 — 6255TA — TL — 53621	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	1 — 6265TA — TL — 53621	—	—	69	PB	G
0.030	8440	860	34500	3520	258000	26300	1 — 6255TA — TL — 59177	—	—	69	G	G
	14200	1450	46000	4690	276000	28100	1 — 6265TA — TL — 59177	—	—	69	PB	G
0.024	14200	1450	46000	4690	276000	28100	1 — 6265TA — TL — 73573	—	—	69	PB	G
0.023	10300	1050	46000	4690	276000	28100	1 — 6265TA — TL — 79507	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1 — 6275TA — TL — 79507	—	—	—	PB	G
0.016	14200	1450	46000	4690	276000	28100	1 — 6265TA — TL — 109091	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1 — 6275TA — TL — 109091	—	—	—	PB	G
0.012	14200	1450	46000	4690	276000	28100	1 — 6265TA — TL — 149683	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	1 — 6275TA — TL — 149683	—	—	—	PB	G
0.0040	10300	1050	44000	4490	276000	28100	1 — 6265TA — TL — 446571	—	—	69	PB	G
	21100	2150	68200	6950	245000	25000	1 — 6275TA — TL — 446571	—	—	—	PB	G
0.0027	21100	2150	44000	4490	276000	28100	1 — 6265TA — TL — 658503	—	—	69	PB	G
	21100	2150	68200	6950	245000	25000	1 — 6275TA — TL — 658503	—	—	—	PB	G

1.1kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
72.0	50	5	135	13.8	5400	550	1H — 6100 — TL — 25	61	71	—	MF	MF
62.1	50	5	155	15.8	5400	550	1H — 6100 — TL — 29	61	71	—	MF	MF
51.4	50	5	185	18.9	5400	550	1H — 6105 — TL — 35	61	71	—	MF	MF
41.9	50	5	230	23.4	5390	550	1H — 6105 — TL — 43	61	71	—	MF	MF
35.3	50	5	275	28.0	9810	1000	1H — 6120 — TL — 51	61	71	—	MF	MF
30.5	100	10	315	32.1	12400	1260	1H — 6130 — TL — 59	61	71	—	PB	G
25.4	100	10	380	38.7	13100	1330	1H — 6130 — TL — 71	61	71	—	PB	G
20.7	100	10	470	47.9	14100	1430	1H — 6130 — TL — 87	61	71	—	PB	G
12.6	100	10	705	71.9	14700	1500	1H — 6130DC — TL — 143	63	72	—	G	G
	100	10	705	71.9	14700	1500	1H — 6135DC — TL — 143	63	72	—	G	G
10.9	150	15	780	79.5	14700	1500	1H — 6130DC — TL — 165	63	72	—	G	G
	150	15	815	83.1	14700	1500	1H — 6135DC — TL — 165	63	72	—	G	G
9.23	150	15	780	79.5	14700	1500	1H — 6130DC — TL — 195	63	72	—	G	G
	150	15	940	95.8	14700	1500	1H — 6135DC — TL — 195	63	72	—	G	G
	150	15	965	98.4	16000	1630	1H — 6140DC — TL — 195	63	72	—	G	G
7.79	200	20	940	95.8	14700	1500	1H — 6135DC — TL — 231	63	72	—	G	G
	200	20	1150	117	16000	1630	1H — 6140DC — TL — 231	63	72	—	G	G
	200	20	1150	117	22100	2250	1H — 6160DB — TL — 231	63	72	—	G	G
6.59	200	20	1230	125	16000	1630	1H — 6140DC — TL — 273	63	72	—	G	G
	200	20	1350	138	22100	2250	1H — 6160DB — TL — 273	63	72	—	G	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
4.70	250	25	1230	125	16000	1630	1H	6140DC	TL	319	63	72	—	G	G
	250	25	1370	140	15800	1610	1H	6145DC	TL	319	63	72	—	G	G
	250	25	1760	179	22100	2250	1H	6160DB	TL	319	63	72	—	G	G
3.98	250	25	1760	179	22100	2250	1H	6160DB	TL	377	63	72	—	G	G
	250	25	2100	214	22100	2250	1H	6165DB	TL	377	63	72	—	G	G
3.17	340	35	2100	214	22100	2250	1H	6165DB	TL	473	63	72	—	G	G
	340	35	2530	258	29500	3010	1H	6170DB	TL	473	63	72	—	G	G
	340	35	2820	287	29500	3010	1H	6175DB	TL	473	63	72	—	G	G
2.68	340	35	2100	214	22100	2250	1H	6165DB	TL	559	63	72	—	G	G
	340	35	2530	258	29500	3010	1H	6170DB	TL	559	63	72	—	G	G
	340	35	3150	321	29500	3010	1H	6175DB	TL	559	63	72	—	G	G
2.31	440	45	2530	258	29500	3010	1H	6170DB	TL	649	63	72	—	G	G
	440	45	3150	321	29500	3010	1H	6175DB	TL	649	63	72	—	G	G
	490	50	3860	393	41700	4250	1H	6180DA	TL	649	65	72	—	G	G
2.05	340	35	3150	321	29500	3010	1H	6175DB	TL	731	63	72	—	G	G
	490	50	4060	414	41700	4250	1H	6180DA	TL	731	65	72	—	G	G
1.78	290	30	3150	321	29500	3010	1H	6175DB	TL	841	63	72	—	G	G
	490	50	4050	413	41700	4250	1H	6180DA	TL	841	65	72	—	G	G
	490	50	5000	510	41700	4250	1H	6185DA	TL	841	65	72	—	G	G
	980	100	5010	511	59000	6010	1H	6190DA	TL	841	65	72	—	PB	P
1.50	490	50	4050	413	41700	4250	1H	6180DA	TL	1003	65	72	—	G	G
	490	50	5000	510	41600	4240	1H	6185DA	TL	1003	65	72	—	G	G
	980	100	5970	609	58700	5980	1H	6190DA	TL	1003	65	72	—	PB	P
1.20	490	50	5000	510	41700	4250	1H	6185DA	TL	1247	65	72	—	G	G
	980	100	6380	650	59000	6010	1H	6190DA	TL	1247	65	72	—	PB	P
	980	100	7420	756	59000	6010	1H	6195DA	TL	1247	65	72	—	PB	P
1.01	980	100	6380	650	58900	6000	1H	6190DA	TL	1479	65	72	—	PB	P
	980	100	7960	811	58400	5950	1H	6195DA	TL	1479	65	72	—	PB	P
	2160	220	8760	893	84100	8570	1H	6205DB	TL	1479	65	73	—	PB	P
0.811	980	100	7960	811	59000	6010	1H	6195DA	TL	1849	65	72	—	PB	P
	2160	220	9300	948	84100	8570	1H	6205DB	TL	1849	65	73	—	PB	P
0.726	980	100	7960	811	58100	5930	1H	6195DA	TL	2065	65	72	—	PB	P
	2160	220	9300	948	84100	8570	1H	6205DB	TL	2065	65	73	—	PB	G

1.5kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
188	50	5	70	7.20	4610	465	2	6100	TL	8	61	71	—	MF	MF
136	50	5	97	9.91	5230	530	2	6100	TL	11	61	71	—	MF	MF
115	50	5	115	11.7	5400	550	2	6100	TL	13	61	71	—	MF	MF
100	50	5	130	13.3	5400	550	2	6100	TL	15	61	71	—	MF	MF
88.2	50	5	150	15.3	5400	550	2	6100	TL	17	61	71	—	MF	MF
71.4	50	5	185	18.9	5400	550	2	6105	TL	21	61	71	—	MF	MF
60.0	50	5	220	22.4	5400	550	2	6105	TL	25	61	71	—	MF	MF
51.7	50	5	255	26.0	5400	550	2	6105	TL	29	61	71	—	MF	MF
42.9	50	5	305	31.1	9500	968	2	6120	TL	35	61	71	—	MF	MF
34.9	100	10	380	38.7	11900	1210	2	6130	TL	43	61	71	—	PB	G
29.4	100	10	450	45.9	12400	1260	2	6135	TL	51	61	71	—	PB	G
25.4	100	10	520	53.0	13000	1330	2	6130	TL	59	61	71	—	PB	G
22.7	100	10	535	54.5	14100	1440	2	6130DC	TL	66	63	72	—	G	G
21.1	100	10	625	63.7	13800	1410	2	6130	TL	71	61	71	—	PB	G
19.2	100	10	630	64.2	14600	1490	2	6130DC	TL	78	63	72	—	G	G
17.2	100	10	720	73.4	14700	1500	2	6135	TL	87	61	71	—	PB	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
5.64	250	25	1230	125	16000	1630	1H — 6140DC — TL — 319	63	72	—	G	G
	250	25	1370	140	15800	1610	1H — 6145DC — TL — 319	63	72	—	G	G
	250	25	1580	161	22100	2250	1H — 6160DB — TL — 319	63	72	—	G	G
4.77	250	25	1760	179	22100	2250	1H — 6160DB — TL — 377	63	72	—	G	G
	250	25	1870	191	22100	2250	1H — 6165DB — TL — 377	63	72	—	G	G
3.81	340	35	2100	214	22100	2250	1H — 6165DB — TL — 473	63	72	—	G	G
	340	35	2350	240	29500	3010	1H — 6170DB — TL — 473	63	72	—	G	G
	340	35	2350	240	29500	3010	1H — 6175DB — TL — 473	63	72	—	G	G
3.22	340	35	2100	214	22100	2250	1H — 6165DB — TL — 559	63	72	—	G	G
	340	35	2530	258	29500	3010	1H — 6170DB — TL — 559	63	72	—	G	G
	340	35	2770	282	29500	3010	1H — 6175DB — TL — 559	63	72	—	G	G
2.77	440	45	2530	258	29500	3010	1H — 6170DB — TL — 649	63	72	—	G	G
	440	45	3150	321	29500	3010	1H — 6175DB — TL — 649	63	72	—	G	G
	490	50	3220	328	41700	4250	1H — 6180DA — TL — 649	65	72	—	G	G
2.46	340	35	3150	321	29500	3010	1H — 6175DB — TL — 731	63	72	—	G	G
	490	50	3630	370	41700	4250	1H — 6180DA — TL — 731	65	72	—	G	G
2.14	290	30	3150	321	29500	3010	1H — 6175DB — TL — 841	63	72	—	G	G
	490	50	4050	413	41700	4250	1H — 6180DA — TL — 841	65	72	—	G	G
	490	50	4170	425	41700	4250	1H — 6185DA — TL — 841	65	72	—	G	G
	980	100	4170	425	59000	6010	1H — 6190DA — TL — 841	65	72	—	PB	P
1.79	490	50	4050	413	41700	4250	1H — 6180DA — TL — 1003	65	72	—	G	G
	490	50	4980	508	41600	4240	1H — 6185DA — TL — 1003	65	72	—	G	G
	980	100	4980	508	59000	6010	1H — 6190DA — TL — 1003	65	72	—	PB	P
1.44	490	50	5000	510	41700	4250	1H — 6185DA — TL — 1247	65	72	—	G	G
	980	100	6190	631	59000	6010	1H — 6190DA — TL — 1247	65	72	—	PB	P
	980	100	6190	631	59000	6010	1H — 6195DA — TL — 1247	65	72	—	PB	P
1.22	980	100	6380	650	58900	6000	1H — 6190DA — TL — 1479	65	72	—	PB	P
	980	100	7340	748	58600	5970	1H — 6195DA — TL — 1479	65	72	—	PB	P
	2160	220	7340	748	84100	8570	1H — 6205DB — TL — 1479	65	73	—	PB	P
0.973	980	100	7960	811	59000	6010	1H — 6195DA — TL — 1849	65	72	—	PB	P
	2160	220	9170	935	84100	8570	1H — 6205DB — TL — 1849	65	73	—	PB	P
0.872	980	100	7960	811	58100	5930	1H — 6195DA — TL — 2065	65	72	—	PB	P
	2160	220	9300	948	84100	8570	1H — 6205DB — TL — 2065	65	73	—	PB	G

1.5kW 60Hz

Motor Speed n_1

4P

1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
225	50	5	58	6.00	4330	440	2 — 6100 — TL — 8	61	71	—	MF	MF
164	50	5	81	8.25	4920	500	2 — 6100 — TL — 11	61	71	—	MF	MF
138	50	5	95	9.76	5120	520	2 — 6100 — TL — 13	61	71	—	MF	MF
120	50	5	110	11.2	5400	550	2 — 6100 — TL — 15	61	71	—	MF	MF
106	50	5	125	12.7	5400	550	2 — 6100 — TL — 17	61	71	—	MF	MF
85.7	50	5	155	15.8	5400	550	2 — 6105 — TL — 21	61	71	—	MF	MF
72.0	50	5	180	18.3	5400	550	2 — 6105 — TL — 25	61	71	—	MF	MF
62.1	50	5	210	21.4	5400	550	2 — 6105 — TL — 29	61	71	—	MF	MF
51.4	50	5	255	26.0	8950	912	2 — 6120 — TL — 35	61	71	—	MF	MF
41.9	100	10	315	32.1	11200	1140	2 — 6130 — TL — 43	61	71	—	PB	G
35.3	100	10	375	38.2	11700	1190	2 — 6135 — TL — 51	61	71	—	PB	G
30.5	100	10	430	43.8	12300	1250	2 — 6130 — TL — 59	61	71	—	PB	G
27.3	100	10	445	45.4	13300	1360	2 — 6130DC — TL — 66	63	72	—	G	G
25.4	100	10	520	53.0	13000	1330	2 — 6130 — TL — 71	61	71	—	PB	G
23.1	100	10	525	53.5	13800	1410	2 — 6130DC — TL — 78	63	72	—	G	G
20.7	100	10	640	65.2	13900	1420	2 — 6135 — TL — 87	61	71	—	PB	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
	N·m	kgf·m	N·m	kgf·m	N	kgf						
17.0	100	10	710	72.4	14700	1500	2 — 6130DC — TL — 88	63	72	—	G	G
14.4	100	10	780	79.5	14700	1500	2 — 6130DC — TL — 104	63	72	—	G	G
	100	10	840	85.6	14700	1500	2 — 6135DC — TL — 104	63	72	—	G	G
12.4	100	10	780	79.5	14700	1500	2 — 6130DC — TL — 121	63	72	—	G	G
	100	10	940	95.8	14700	1500	2 — 6135DC — TL — 121	63	72	—	G	G
	150	15	980	99.9	16000	1630	2 — 6140DC — TL — 121	63	72	—	G	G
10.5	100	10	940	95.8	14700	1500	2 — 6135DC — TL — 143	63	72	—	G	G
	150	15	1160	118	16000	1630	2 — 6140DC — TL — 143	63	72	—	G	G
9.09	150	15	940	95.8	14700	1500	2 — 6135DC — TL — 165	63	72	—	G	G
	150	15	1230	125	16000	1630	2 — 6140DC — TL — 165	63	72	—	G	G
	150	15	1340	137	16000	1630	2 — 6145DC — TL — 165	63	72	—	G	G
7.69	150	15	1230	125	16000	1630	2 — 6140DC — TL — 195	63	72	—	G	G
	150	15	1360	139	16000	1630	2 — 6145DC — TL — 195	63	72	—	G	G
	200	20	1580	161	22100	2250	2 — 6160DB — TL — 195	63	72	—	G	G
6.49	200	20	1760	179	22100	2250	2 — 6160DB — TL — 231	63	72	—	G	G
	200	20	1880	192	22100	2250	2 — 6165DB — TL — 231	63	72	—	G	G
5.49	200	20	1760	179	22100	2250	2 — 6160DB — TL — 273	63	72	—	G	G
	200	20	2100	214	22100	2250	2 — 6165DB — TL — 273	63	72	—	G	G
	290	30	2220	226	29500	3010	2 — 6170DB — TL — 273	63	72	—	G	G
4.70	250	25	1760	179	22100	2250	2 — 6160DB — TL — 319	63	72	—	G	G
	250	25	2100	214	22100	2250	2 — 6165DB — TL — 319	63	72	—	G	G
	290	30	2530	258	29500	3010	2 — 6170DB — TL — 319	63	72	—	G	G
	290	30	2590	264	29500	3010	2 — 6175DB — TL — 319	63	72	—	G	G
3.98	250	25	2100	214	22100	2250	2 — 6165DB — TL — 377	63	72	—	G	G
	290	30	2530	258	29500	3010	2 — 6170DB — TL — 377	63	72	—	G	G
	290	30	3060	312	29500	3010	2 — 6175DB — TL — 377	63	72	—	G	G
3.17	340	35	3150	321	29500	3010	2 — 6175DB — TL — 473	63	72	—	G	G
	490	50	3840	391	41700	4250	2 — 6180DA — TL — 473	65	72	—	G	G
2.68	340	35	3150	321	29500	3010	2 — 6175DB — TL — 559	63	72	—	G	G
	490	50	4060	414	41700	4250	2 — 6180DA — TL — 559	65	72	—	G	G
	490	50	4540	463	41700	4250	2 — 6185DA — TL — 559	65	72	—	G	G
2.31	490	50	4050	413	41700	4250	2 — 6180DA — TL — 649	65	72	—	G	G
	490	50	5000	510	41600	4240	2 — 6185DA — TL — 649	65	72	—	G	G
	980	100	5270	537	58900	6000	2 — 6190DA — TL — 649	65	72	—	PB	P
2.05	490	50	4060	414	41700	4250	2 — 6180DA — TL — 731	65	72	—	G	G
	490	50	5000	510	41700	4250	2 — 6185DA — TL — 731	65	72	—	G	G
	980	100	5930	604	59000	6010	2 — 6190DA — TL — 731	65	72	—	PB	P
1.78	490	50	5000	510	41700	4250	2 — 6185DA — TL — 841	65	72	—	G	G
	980	100	6380	650	59000	6010	2 — 6190DA — TL — 841	65	72	—	PB	P
	980	100	6830	696	59000	6010	2 — 6195DA — TL — 841	65	72	—	PB	P
1.50	980	100	6380	650	58600	5970	2 — 6190DA — TL — 1003	65	72	—	PB	P
	980	100	7960	811	58100	5930	2 — 6195DA — TL — 1003	65	72	—	PB	P
	2160	220	8140	830	84100	8570	2 — 6205DB — TL — 1003	65	73	—	PB	P
1.20	980	100	7960	811	59000	6010	2 — 6195DA — TL — 1247	65	72	—	PB	P
	2650	270	10100	1030	104000	10600	2 — 6215DA — TL — 1247	65	73	—	PB	P
1.01	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 1479	65	73	—	PB	P
	3430	350	12000	1230	145000	14800	2 — 6225DA — TL — 1479	67	73	—	PB	P
0.811	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 1849	65	73	—	PB	P
	3430	350	15000	1530	145000	14800	2 — 6225DA — TL — 1849	67	73	—	PB	P
0.726	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 2065	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 2065	67	73	—	PB	P
0.591	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 2537	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 2537	67	73	—	PB	P
0.493	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 3045	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2 — 6225DA — TL — 3045	67	73	—	PB	G
0.431	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 3481	65	73	—	PB	G
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 3481	67	73	—	PB	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
20.5	100	10	595	60.7	14500	1480	2 — 6130DC — TL — 88	63	72	—	G	G
17.3	100	10	700	71.4	14700	1500	2 — 6130DC — TL — 104	63	72	—	G	G
	100	10	700	71.4	14700	1500	2 — 6135DC — TL — 104	63	72	—	G	G
14.9	100	10	780	79.5	14700	1500	2 — 6130DC — TL — 121	63	72	—	G	G
	100	10	815	83.1	14700	1500	2 — 6135DC — TL — 121	63	72	—	G	G
	150	15	815	83.1	16000	1630	2 — 6140DC — TL — 121	63	72	—	G	G
12.6	100	10	940	95.8	14700	1500	2 — 6135DC — TL — 143	63	72	—	G	G
	150	15	965	98.4	16000	1630	2 — 6140DC — TL — 143	63	72	—	G	G
10.9	150	15	940	95.8	14700	1500	2 — 6135DC — TL — 165	63	72	—	G	G
	150	15	1120	114	16000	1630	2 — 6140DC — TL — 165	63	72	—	G	G
	150	15	1120	114	16000	1630	2 — 6145DC — TL — 165	63	72	—	G	G
9.23	150	15	1230	125	16000	1630	2 — 6140DC — TL — 195	63	72	—	G	G
	150	15	1320	135	16000	1630	2 — 6145DC — TL — 195	63	72	—	G	G
	200	20	1320	135	22100	2250	2 — 6160DB — TL — 195	63	72	—	G	G
7.79	200	20	1560	159	22100	2250	2 — 6160DB — TL — 231	63	72	—	G	G
	200	20	1560	159	22100	2250	2 — 6165DB — TL — 231	63	72	—	G	G
6.59	200	20	1760	179	22100	2250	2 — 6160DB — TL — 273	63	72	—	G	G
	200	20	1850	189	22100	2250	2 — 6165DB — TL — 273	63	72	—	G	G
	290	30	1850	189	29500	3010	2 — 6170DB — TL — 273	63	72	—	G	G
5.64	250	25	1760	179	22100	2250	2 — 6160DB — TL — 319	63	72	—	G	G
	250	25	2100	214	22100	2250	2 — 6165DB — TL — 319	63	72	—	G	G
	290	30	2160	220	29500	3010	2 — 6170DB — TL — 319	63	72	—	G	G
	290	30	2160	220	29500	3010	2 — 6175DB — TL — 319	63	72	—	G	G
4.77	250	25	2100	214	22100	2250	2 — 6165DB — TL — 377	63	72	—	G	G
	290	30	2530	258	29500	3010	2 — 6170DB — TL — 377	63	72	—	G	G
	290	30	2550	260	29500	3010	2 — 6175DB — TL — 377	63	72	—	G	G
3.81	340	35	3150	321	29500	3010	2 — 6175DB — TL — 473	63	72	—	G	G
	490	50	3200	326	41700	4250	2 — 6180DA — TL — 473	65	72	—	G	G
3.22	340	35	3150	321	29500	3010	2 — 6175DB — TL — 559	63	72	—	G	G
	490	50	3780	385	41700	4250	2 — 6180DA — TL — 559	65	72	—	G	G
	490	50	3780	385	41700	4250	2 — 6185DA — TL — 559	65	72	—	G	G
2.77	490	50	4050	413	41700	4250	2 — 6180DA — TL — 649	65	72	—	G	G
	490	50	4390	448	41700	4250	2 — 6185DA — TL — 649	65	72	—	G	G
	980	100	4390	448	59000	6010	2 — 6190DA — TL — 649	65	72	—	PB	P
2.46	490	50	4060	414	41700	4250	2 — 6180DA — TL — 731	65	72	—	G	G
	490	50	4940	504	41700	4250	2 — 6185DA — TL — 731	65	72	—	G	G
	980	100	4940	504	59000	6010	2 — 6190DA — TL — 731	65	72	—	PB	P
2.14	490	50	5000	510	41700	4250	2 — 6185DA — TL — 841	65	72	—	G	G
	980	100	5690	580	59000	6010	2 — 6190DA — TL — 841	65	72	—	PB	P
	980	100	5690	580	59000	6010	2 — 6195DA — TL — 841	65	72	—	PB	P
1.79	980	100	6380	650	58600	5970	2 — 6190DA — TL — 1003	65	72	—	PB	P
	980	100	6780	691	58500	5960	2 — 6195DA — TL — 1003	65	72	—	PB	P
	2160	220	6780	691	84100	8570	2 — 6205DB — TL — 1003	65	73	—	PB	P
1.44	980	100	7960	811	59000	6010	2 — 6195DA — TL — 1247	65	72	—	PB	P
	2650	270	8440	860	104000	10600	2 — 6215DA — TL — 1247	65	73	—	PB	P
1.22	2650	270	10000	1020	104000	10600	2 — 6215DA — TL — 1479	65	73	—	PB	P
	3430	350	10000	1020	145000	14800	2 — 6225DA — TL — 1479	67	73	—	PB	P
0.973	2650	270	12500	1270	104000	10600	2 — 6215DA — TL — 1849	65	73	—	PB	P
	3430	350	12500	1270	145000	14800	2 — 6225DA — TL — 1849	67	73	—	PB	P
0.872	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 2065	65	73	—	PB	P
	3430	350	14000	1430	145000	14800	2 — 6225DA — TL — 2065	67	73	—	PB	P
0.709	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 2537	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 2537	67	73	—	PB	P
0.591	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 3045	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2 — 6225DA — TL — 3045	67	73	—	PB	G
0.517	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 3481	65	73	—	PB	G
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 3481	67	73	—	PB	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
0.338	2650	270	11300	1150	104000	10600	2	6215DA	TL	4437	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2	6225DA	TL	4437	67	73	—	PB	G
0.292	2650	270	12700	1290	104000	10600	2	6215DA	TL	5133	65	73	—	PB	G
	3430	350	15900	1620	145000	14800	2	6225DA	TL	5133	67	73	—	PB	G
0.243	2650	270	11300	1150	104000	10600	2	6215DA	TL	6177	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2	6225DA	TL	6177	67	73	—	PB	G
0.198	2650	270	11300	1150	104000	10600	2	6215DA	TL	7569	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2	6225DA	TL	7569	67	73	—	PB	G
0.162	3430	350	15000	1530	145000	14800	2	6225TD	TL	9251	—	—	69	G	G
	4410	450	18900	1930	179000	18200	2	6235TA	TL	9251	—	—	69	G	G
	5400	550	22200	2260	208000	21200	2	6245TB	TL	9251	—	—	69	G	G
0.137	2650	270	12700	1290	104000	10600	2	6215TD	TL	10933	—	—	69	G	G
	3430	350	15000	1530	145000	14800	2	6225TD	TL	10933	—	—	69	G	G
	4410	450	18900	1930	179000	18200	2	6235TA	TL	10933	—	—	69	G	G
	7360	750	32500	3310	258000	26300	3	6255TB	TL	10933	—	—	69	G	G
0.110	2650	270	12700	1290	104000	10600	2	6215TB	TL	13629	—	—	69	G	G
	3430	350	15900	1620	145000	14800	2	6225TB	TL	13629	—	—	69	G	G
	4410	450	20500	2090	179000	18200	2	6235TA	TL	13629	—	—	69	G	G
	5400	550	25800	2630	208000	21200	2	6245TA	TL	13629	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2	6255TA	TL	13629	—	—	69	G	G
0.093	5400	550	25800	2630	208000	21200	2	6245TA	TL	16211	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2	6255TA	TL	16211	—	—	69	G	G
0.074	5400	550	25800	2630	208000	21200	2	6245TA	TL	20339	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2	6255TA	TL	20339	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2	6265TA	TL	20339	—	—	69	PB	G
0.062	5400	550	25800	2630	208000	21200	2	6245TA	TL	24037	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2	6255TA	TL	24037	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2	6265TA	TL	24037	—	—	69	PB	G
0.054	5400	550	25800	2630	208000	21200	2	6245TA	TL	27907	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2	6255TA	TL	27907	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2	6265TA	TL	27907	—	—	69	PB	G
0.048	7360	750	34500	3520	258000	26300	2	6255TA	TL	31433	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2	6265TA	TL	31433	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2	6275TA	TL	31433	—	—	—	PB	G
0.039	10300	1050	46000	4690	276000	28100	2	6265TA	TL	38291	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2	6275TA	TL	38291	—	—	—	PB	G
0.035	10300	1050	46000	4690	276000	28100	2	6265TA	TL	43129	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2	6275TA	TL	43129	—	—	—	PB	G
0.028	14700	1500	68200	6950	248000	25300	2	6275TA	TL	53621	—	—	—	PB	G
0.025	14700	1500	68200	6950	248000	25300	2	6275TA	TL	59177	—	—	—	PB	G
0.020	14700	1500	68200	6950	248000	25300	2	6275TA	TL	73573	—	—	—	PB	G

2.2kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
250	50	5	77	7.92	4100	415	3	6100	TL	6	61	71	—	MF	MF
188	50	5	100	10.2	4560	465	3	6100	TL	8	61	71	—	MF	MF
136	50	5	140	14.3	5180	525	3	6100	TL	11	61	71	—	MF	MF
115	50	5	165	16.8	5380	545	3	6100	TL	13	61	71	—	MF	MF
100	50	5	190	19.4	5400	550	3	6100	TL	15	61	71	—	MF	MF
88.2	50	5	220	22.4	5400	550	3	6105	TL	17	61	71	—	MF	MF
71.4	50	5	265	27.0	5400	550	3	6105	TL	21	61	71	—	MF	MF
60.0	50	5	320	32.6	8580	870	3	6120	TL	25	61	71	—	MF	MF

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.406	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 4437	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2 — 6225DA — TL — 4437	67	73	—	PB	G
0.351	2650	270	12700	1290	104000	10600	2 — 6215DA — TL — 5133	65	73	—	PB	G
	3430	350	15900	1620	145000	14800	2 — 6225DA — TL — 5133	67	73	—	PB	G
0.291	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 6177	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2 — 6225DA — TL — 6177	67	73	—	PB	G
0.238	2650	270	11300	1150	104000	10600	2 — 6215DA — TL — 7569	65	73	—	PB	G
	3430	350	15100	1540	145000	14800	2 — 6225DA — TL — 7569	67	73	—	PB	G
0.195	3430	350	15000	1530	145000	14800	2 — 6225TD — TL — 9251	—	—	69	G	G
	4410	450	18900	1930	179000	18200	2 — 6235TA — TL — 9251	—	—	69	G	G
	5400	550	22200	2260	208000	21200	2 — 6245TB — TL — 9251	—	—	69	G	G
0.165	2650	270	12700	1290	104000	10600	2 — 6215TD — TL — 10933	—	—	69	G	G
	3430	350	15000	1530	145000	14800	2 — 6225TD — TL — 10933	—	—	69	G	G
	4410	450	18900	1930	179000	18200	2 — 6235TA — TL — 10933	—	—	69	G	G
	7360	750	32500	3310	258000	26300	3 — 6255TB — TL — 10933	—	—	69	G	G
0.132	2650	270	12700	1290	104000	10600	2 — 6215TB — TL — 13629	—	—	69	G	G
	3430	350	15900	1620	145000	14800	2 — 6225TB — TL — 13629	—	—	69	G	G
	4410	450	20500	2090	179000	18200	2 — 6235TA — TL — 13629	—	—	69	G	G
	5400	550	25800	2630	208000	21200	2 — 6245TA — TL — 13629	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 13629	—	—	69	G	G
0.111	5400	550	25800	2630	208000	21200	2 — 6245TA — TL — 16211	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 16211	—	—	69	G	G
0.088	5400	550	25800	2630	208000	21200	2 — 6245TA — TL — 20339	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 20339	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 20339	—	—	69	PB	G
0.075	5400	550	25800	2630	208000	21200	2 — 6245TA — TL — 24037	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 24037	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 24037	—	—	69	PB	G
0.064	5400	550	25800	2630	208000	21200	2 — 6245TA — TL — 27907	—	—	69	G	G
	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 27907	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 27907	—	—	69	PB	G
0.057	7360	750	34500	3520	258000	26300	2 — 6255TA — TL — 31433	—	—	69	G	G
	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 31433	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 31433	—	—	—	PB	G
0.047	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 38291	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 38291	—	—	—	PB	G
0.042	10300	1050	46000	4690	276000	28100	2 — 6265TA — TL — 43129	—	—	69	PB	G
	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 43129	—	—	—	PB	G
0.034	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 53621	—	—	—	PB	G
0.030	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 59177	—	—	—	PB	G
0.024	14700	1500	68200	6950	248000	25300	2 — 6275TA — TL — 73573	—	—	—	PB	G

2.2kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	50	5	64	6.60	3860	390	3 — 6100 — TL — 6	61	71	—	MF	MF
225	50	5	86	8.77	4300	435	3 — 6100 — TL — 8	61	71	—	MF	MF
164	50	5	115	11.7	4880	495	3 — 6100 — TL — 11	61	71	—	MF	MF
138	50	5	140	14.3	5070	515	3 — 6100 — TL — 13	61	71	—	MF	MF
120	50	5	160	16.3	5350	545	3 — 6100 — TL — 15	61	71	—	MF	MF
106	50	5	180	18.3	5400	550	3 — 6105 — TL — 17	61	71	—	MF	MF
85.7	50	5	225	22.9	5400	550	3 — 6105 — TL — 21	61	71	—	MF	MF
72.0	50	5	270	27.5	8090	820	3 — 6120 — TL — 25	61	71	—	MF	MF

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
51.7	100	10	375	38.2	10500	1070	3 — 6130 — TL — 29	61	71	—	PB	G
42.9	100	10	450	45.9	11000	1120	3 — 6130 — TL — 35	61	71	—	PB	G
34.9	100	10	555	56.6	11800	1200	3 — 6135 — TL — 43	61	71	—	PB	G
29.4	100	10	660	67.3	12300	1250	3 — 6135 — TL — 51	61	71	—	PB	G
25.4	100	10	715	72.9	12900	1310	3 — 6135 — TL — 59	61	71	—	PB	G
22.7	100	10	780	79.5	13900	1410	3 — 6130DC — TL — 66	63	72	—	G	G
	100	10	785	80.0	13900	1410	3 — 6135DC — TL — 66	63	72	—	G	G
21.1	200	20	920	93.8	22100	2250	3 — 6160 — TL — 71	61	71	—	PB	P
19.2	100	10	780	79.5	14500	1480	3 — 6130DC — TL — 78	63	72	—	G	G
	100	10	925	94.3	14400	1470	3 — 6135DC — TL — 78	63	72	—	G	G
17.2	200	20	1130	115	22100	2250	3 — 6160 — TL — 87	61	71	—	PB	P
17.0	100	10	780	79.5	14700	1500	3 — 6130DC — TL — 88	63	72	—	G	G
	100	10	940	95.8	14700	1500	3 — 6135DC — TL — 88	63	72	—	G	G
	150	15	1050	107	16000	1630	3 — 6140DC — TL — 88	63	72	—	G	G
14.4	100	10	780	79.5	14700	1500	3 — 6130DC — TL — 104	63	72	—	G	G
	100	10	940	95.8	14700	1500	3 — 6135DC — TL — 104	63	72	—	G	G
	150	15	1230	125	16000	1630	3 — 6140DC — TL — 104	63	72	—	G	G
	150	15	1240	126	16000	1630	3 — 6145DC — TL — 104	63	72	—	G	G
12.4	100	10	940	95.8	14700	1500	3 — 6135DC — TL — 121	63	72	—	G	G
	150	15	1230	125	16000	1630	3 — 6140DC — TL — 121	63	72	—	G	G
	200	20	1440	147	22100	2250	3 — 6160DB — TL — 121	63	72	—	G	G
10.5	150	15	1230	125	16000	1630	3 — 6140DC — TL — 143	63	72	—	G	G
	150	15	1370	140	15900	1620	3 — 6145DC — TL — 143	63	72	—	G	G
	200	20	1700	173	22100	2250	3 — 6160DB — TL — 143	63	72	—	G	G
9.09	150	15	1360	139	16000	1630	3 — 6145DC — TL — 165	63	72	—	G	G
	200	20	1760	179	22100	2250	3 — 6160DB — TL — 165	63	72	—	G	G
	200	20	1960	200	22100	2250	3 — 6165DB — TL — 165	63	72	—	G	G
7.69	200	20	1760	179	22100	2250	3 — 6160DB — TL — 195	63	72	—	G	G
	200	20	2100	214	22100	2250	3 — 6165DB — TL — 195	63	72	—	G	G
	290	30	2320	236	29500	3010	3 — 6170DB — TL — 195	63	72	—	G	G
6.49	200	20	1760	179	22100	2250	3 — 6160DB — TL — 231	63	72	—	G	G
	200	20	2100	214	22100	2250	3 — 6165DB — TL — 231	63	72	—	G	G
	290	30	2530	258	29500	3010	3 — 6170DB — TL — 231	63	72	—	G	G
	290	30	2750	280	29500	3010	3 — 6175DB — TL — 231	63	72	—	G	G
5.49	200	20	2100	214	22100	2250	3 — 6165DB — TL — 273	63	72	—	G	G
	290	30	2530	258	29500	3010	3 — 6170DB — TL — 273	63	72	—	G	G
	290	30	3150	321	29500	3010	3 — 6175DB — TL — 273	63	72	—	G	G
	490	50	3250	331	41700	4250	3 — 6180DA — TL — 273	65	72	—	G	G
4.70	290	30	2530	258	29500	3010	3 — 6170DB — TL — 319	63	72	—	G	G
	290	30	3150	321	29500	3010	3 — 6175DB — TL — 319	63	72	—	G	G
	490	50	3800	387	41700	4250	3 — 6180DA — TL — 319	65	72	—	G	G
3.98	290	30	3150	321	29500	3010	3 — 6175DB — TL — 377	63	72	—	G	G
	490	50	4050	413	41700	4250	3 — 6180DA — TL — 377	65	72	—	G	G
	490	50	4490	458	41700	4250	3 — 6185DA — TL — 377	65	72	—	G	G
3.17	490	50	4060	414	41700	4250	3 — 6180DA — TL — 473	65	72	—	G	G
	490	50	5000	510	41700	4250	3 — 6185DA — TL — 473	65	72	—	G	G
	980	100	5630	574	59000	6010	3 — 6190DA — TL — 473	65	72	—	PB	P
2.68	490	50	5000	510	41700	4250	3 — 6185DA — TL — 559	65	72	—	G	G
	980	100	6380	650	59000	6010	3 — 6190DA — TL — 559	65	72	—	PB	P
2.31	490	50	5000	510	41600	4240	3 — 6185DA — TL — 649	65	72	—	G	G
	980	100	6380	650	58600	5970	3 — 6190DA — TL — 649	65	72	—	PB	P
	980	100	7730	788	58200	5930	3 — 6195DA — TL — 649	65	72	—	PB	P
2.05	980	100	6380	650	59000	6010	3 — 6190DA — TL — 731	65	72	—	PB	P
	980	100	7960	811	59000	6010	3 — 6195DA — TL — 731	65	72	—	PB	P
1.78	980	100	6380	650	59000	6010	3 — 6190DA — TL — 841	65	72	—	PB	P
	980	100	7960	811	59000	6010	3 — 6195DB — TL — 841	65	72	—	PB	P
	2160	220	9230	941	84100	8570	3 — 6205DB — TL — 841	65	73	—	PB	P
	2650	270	10000	1020	104000	10600	3 — 6215DA — TL — 841	65	73	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
62.1	100	10	310	31.6	9860	1010	3 — 6130 — TL — 29	61	71	—	PB	G
51.4	100	10	375	38.2	10400	1060	3 — 6130 — TL — 35	61	71	—	PB	G
41.9	100	10	460	46.9	11100	1130	3 — 6135 — TL — 43	61	71	—	PB	G
35.3	100	10	550	56.1	11600	1180	3 — 6135 — TL — 51	61	71	—	PB	G
30.5	100	10	635	64.7	12100	1230	3 — 6135 — TL — 59	61	71	—	PB	G
27.3	100	10	655	66.8	13100	1340	3 — 6130DC — TL — 66	63	72	—	G	G
	100	10	655	66.8	13100	1340	3 — 6135DC — TL — 66	63	72	—	G	G
25.4	200	20	765	78.0	22100	2250	3 — 6160 — TL — 71	61	71	—	PB	P
23.1	100	10	770	78.5	13600	1390	3 — 6130DC — TL — 78	63	72	—	G	G
	100	10	770	78.5	13600	1390	3 — 6135DC — TL — 78	63	72	—	G	G
20.7	200	20	935	95.3	22100	2250	3 — 6160 — TL — 87	61	71	—	PB	P
20.5	100	10	780	79.5	14400	1460	3 — 6130DC — TL — 88	63	72	—	G	G
	100	10	870	88.7	14300	1460	3 — 6135DC — TL — 88	63	72	—	G	G
	150	15	870	88.7	16000	1630	3 — 6140DC — TL — 88	63	72	—	G	G
17.3	100	10	780	79.5	14700	1500	3 — 6130DC — TL — 104	63	72	—	G	G
	100	10	940	95.8	14700	1500	3 — 6135DC — TL — 104	63	72	—	G	G
	150	15	1030	105	16000	1630	3 — 6140DC — TL — 104	63	72	—	G	G
	150	15	1030	105	16000	1630	3 — 6145DC — TL — 104	63	72	—	G	G
14.9	100	10	940	95.8	14700	1500	3 — 6135DC — TL — 121	63	72	—	G	G
	150	15	1200	122	16000	1630	3 — 6140DC — TL — 121	63	72	—	G	G
	200	20	1200	122	22100	2250	3 — 6160DB — TL — 121	63	72	—	G	G
12.6	150	15	1230	125	16000	1630	3 — 6140DC — TL — 143	63	72	—	G	G
	150	15	1370	140	15900	1620	3 — 6145DC — TL — 143	63	72	—	G	G
	200	20	1420	145	22100	2250	3 — 6160DB — TL — 143	63	72	—	G	G
10.9	150	15	1360	139	16000	1630	3 — 6145DC — TL — 165	63	72	—	G	G
	200	20	1640	167	22100	2250	3 — 6160DB — TL — 165	63	72	—	G	G
	200	20	1640	167	22100	2250	3 — 6165DB — TL — 165	63	72	—	G	G
9.23	200	20	1760	179	22100	2250	3 — 6160DB — TL — 195	63	72	—	G	G
	200	20	1930	197	22100	2250	3 — 6165DB — TL — 195	63	72	—	G	G
	290	30	1930	197	29500	3010	3 — 6170DB — TL — 195	63	72	—	G	G
7.79	200	20	1760	179	22100	2250	3 — 6160DB — TL — 231	63	72	—	G	G
	200	20	2100	214	22100	2250	3 — 6165DB — TL — 231	63	72	—	G	G
	290	30	2290	233	29500	3010	3 — 6170DB — TL — 231	63	72	—	G	G
	290	30	2290	233	29500	3010	3 — 6175DB — TL — 231	63	72	—	G	G
6.59	200	20	2100	214	22100	2250	3 — 6165DB — TL — 273	63	72	—	G	G
	290	30	2530	258	29500	3010	3 — 6170DB — TL — 273	63	72	—	G	G
	290	30	2710	276	29500	3010	3 — 6175DB — TL — 273	63	72	—	G	G
	490	50	2710	276	41700	4250	3 — 6180DA — TL — 273	65	72	—	G	G
5.64	290	30	2530	258	29500	3010	3 — 6170DB — TL — 319	63	72	—	G	G
	290	30	3150	321	29500	3010	3 — 6175DB — TL — 319	63	72	—	G	G
	490	50	3160	322	41700	4250	3 — 6180DA — TL — 319	65	72	—	G	G
4.77	290	30	3150	321	29500	3010	3 — 6175DB — TL — 377	63	72	—	G	G
	490	50	3740	381	41700	4250	3 — 6180DA — TL — 377	65	72	—	G	G
	490	50	3740	381	41700	4250	3 — 6185DA — TL — 377	65	72	—	G	G
3.81	490	50	4060	414	41700	4250	3 — 6180DA — TL — 473	65	72	—	G	G
	490	50	4690	478	41700	4250	3 — 6185DA — TL — 473	65	72	—	G	G
	980	100	4690	478	59000	6010	3 — 6190DA — TL — 473	65	72	—	PB	P
3.22	490	50	5000	510	41700	4250	3 — 6185DA — TL — 559	65	72	—	G	G
	980	100	5550	566	59000	6010	3 — 6190DA — TL — 559	65	72	—	PB	P
2.77	490	50	5000	510	41600	4240	3 — 6185DA — TL — 649	65	72	—	G	G
	980	100	6380	650	58600	5970	3 — 6190DA — TL — 649	65	72	—	PB	P
	980	100	6440	656	58600	5970	3 — 6195DA — TL — 649	65	72	—	PB	P
2.46	980	100	6380	650	59000	6010	3 — 6190DA — TL — 731	65	72	—	PB	P
	980	100	7250	739	59000	6010	3 — 6195DA — TL — 731	65	72	—	PB	P
2.14	980	100	6380	650	59000	6010	3 — 6190DA — TL — 841	65	72	—	PB	P
	980	100	7960	811	59000	6010	3 — 6195DB — TL — 841	65	72	—	PB	P
	2160	220	8340	850	84100	8570	3 — 6205DB — TL — 841	65	73	—	PB	P
	2650	270	8340	850	104000	10600	3 — 6215DA — TL — 841	65	73	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

2.2kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
1.50	980	100	7960	811	58100	5930	3 — 6195DA — TL — 1003	65	72	—	PB	P
	2160	220	9300	948	84100	8570	3 — 6205DB — TL — 1003	65	73	—	PB	P
	2650	270	11900	1210	104000	10600	3 — 6215DA — TL — 1003	65	73	—	PB	P
1.20	2160	220	9300	948	84100	8570	3 — 6205DB — TL — 1247	65	73	—	PB	P
	2650	270	12700	1290	104000	10600	3 — 6215DA — TL — 1247	65	73	—	PB	P
	3430	350	14800	1510	145000	14800	3 — 6225DA — TL — 1247	67	73	—	PB	P
1.01	2650	270	11300	1150	104000	10600	3 — 6215DA — TL — 1479	65	73	—	PB	P
	3430	350	15100	1540	145000	14800	3 — 6225DA — TL — 1479	67	73	—	PB	P
	4810	490	17200	1750	179000	18200	3 — 6235DA — TL — 1479	67	73	—	PB	P
0.811	3430	350	16000	1630	145000	14800	3 — 6225DA — TL — 1849	67	73	—	PB	P
	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 1849	67	73	—	PB	P
	5400	550	22000	2250	208000	21200	3 — 6245DA — TL — 1849	67	73	—	PB	P
0.726	3430	350	15900	1620	145000	14800	3 — 6225DA — TL — 2065	67	73	—	PB	P
	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 2065	67	73	—	PB	P
	5400	550	24600	2510	208000	21200	3 — 6245DA — TL — 2065	67	73	—	PB	P
0.591	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 2537	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	3 — 6245DA — TL — 2537	67	73	—	PB	P
0.493	4910	500	17200	1750	179000	18200	3 — 6235DA — TL — 3045	67	73	—	PB	G
	4910	500	22600	2300	208000	21200	3 — 6245DA — TL — 3045	67	73	—	PB	G
0.431	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 3481	67	73	—	PB	G
	5400	550	25800	2630	208000	21200	3 — 6245DA — TL — 3481	67	73	—	PB	G
0.338	4910	500	17200	1750	179000	18200	3 — 6235DA — TL — 4437	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 4437	67	73	—	PB	G
0.292	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 5133	67	73	—	PB	G
	5400	550	25800	2630	208000	21200	3 — 6245DA — TL — 5133	67	73	—	PB	G
0.243	5000	510	17200	1750	179000	18200	3 — 6235DA — TL — 6177	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 6177	67	73	—	PB	G
0.198	5000	510	17200	1750	179000	18200	3 — 6235DA — TL — 7569	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 7569	67	73	—	PB	G
0.162	7360	750	32500	3310	258000	26300	3 — 6255TB — TL — 9251	—	—	69	G	G
0.137	9810	1000	46000	4690	276000	28100	3 — 6265TA — TL — 10933	—	—	69	PB	G
0.110	13700	1400	46000	4690	276000	28100	3 — 6265TA — TL — 13629	—	—	69	PB	G
0.093	10300	1050	46000	4690	276000	28100	3 — 6265TA — TL — 16211	—	—	69	PB	G
0.074	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 20339	—	—	—	PB	G
0.062	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 24037	—	—	—	PB	G
0.054	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 27907	—	—	—	PB	G

3.0kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
250	50	5	105	10.7	5240	530	4 — 6120 — TL — 6	61	71	—	MF	MF
188	50	5	140	14.3	5840	595	4 — 6120 — TL — 8	61	71	—	MF	MF
136	50	5	190	19.4	6630	675	4 — 6120 — TL — 11	61	71	—	MF	MF
115	50	5	230	23.4	6840	695	4 — 6120 — TL — 13	61	71	—	MF	MF
100	50	5	265	27.0	7340	748	4 — 6120 — TL — 15	61	71	—	MF	MF
88.2	50	5	300	30.6	7400	754	4 — 6120 — TL — 17	61	71	—	MF	MF
71.4	100	10	370	37.7	9520	970	4 — 6130 — TL — 21	61	71	—	PB	G
60.0	100	10	440	44.9	9880	1010	4 — 6130 — TL — 25	61	71	—	PB	G
51.7	100	10	510	52.0	10400	1060	4 — 6130 — TL — 29	61	71	—	PB	G
42.9	100	10	615	62.7	10900	1110	4 — 6130 — TL — 35	61	71	—	PB	G
34.9	100	10	710	72.4	11700	1190	4 — 6135 — TL — 43	61	71	—	PB	G
29.4	200	20	900	91.7	21200	2160	4 — 6160 — TL — 51	61	71	—	PB	P
25.4	200	20	1040	106	22100	2250	4 — 6160 — TL — 59	61	71	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

2.2kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
1.79	980	100	7960	811	58100	5930	3 — 6195DA — TL — 1003	65	72	—	PB	P
	2160	220	9300	948	84100	8570	3 — 6205DB — TL — 1003	65	73	—	PB	P
	2650	270	9950	1010	104000	10600	3 — 6215DA — TL — 1003	65	73	—	PB	P
1.44	2160	220	9300	948	84100	8570	3 — 6205DB — TL — 1247	65	73	—	PB	P
	2650	270	12400	1260	104000	10600	3 — 6215DA — TL — 1247	65	73	—	PB	P
	3430	350	12400	1260	145000	14800	3 — 6225DA — TL — 1247	67	73	—	PB	P
1.22	2650	270	11300	1150	104000	10600	3 — 6215DA — TL — 1479	65	73	—	PB	P
	3430	350	14700	1500	145000	14800	3 — 6225DA — TL — 1479	67	73	—	PB	P
	4810	490	14700	1500	179000	18200	3 — 6235DA — TL — 1479	67	73	—	PB	P
0.973	3430	350	16000	1630	145000	14800	3 — 6225DA — TL — 1849	67	73	—	PB	P
	4410	450	18300	1870	179000	18200	3 — 6235DA — TL — 1849	67	73	—	PB	P
	5400	550	18300	1870	208000	21200	3 — 6245DA — TL — 1849	67	73	—	PB	P
0.872	3430	350	15900	1620	145000	14800	3 — 6225DA — TL — 2065	67	73	—	PB	P
	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 2065	67	73	—	PB	P
	5400	550	20500	2090	208000	21200	3 — 6245DA — TL — 2065	67	73	—	PB	P
0.709	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 2537	67	73	—	PB	P
	5400	550	25200	2570	208000	21200	3 — 6245DA — TL — 2537	67	73	—	PB	P
0.591	4910	500	17200	1750	179000	18200	3 — 6235DA — TL — 3045	67	73	—	PB	G
	4910	500	22600	2300	208000	21200	3 — 6245DA — TL — 3045	67	73	—	PB	G
0.517	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 3481	67	73	—	PB	G
	5400	550	25800	2630	208000	21200	3 — 6245DA — TL — 3481	67	73	—	PB	G
0.406	4910	500	17200	1750	179000	18200	3 — 6235DA — TL — 4437	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 4437	67	73	—	PB	G
0.351	4410	450	20500	2090	179000	18200	3 — 6235DA — TL — 5133	67	73	—	PB	G
	5400	550	25800	2630	208000	21200	3 — 6245DA — TL — 5133	67	73	—	PB	G
0.291	5000	510	17200	1750	179000	18200	3 — 6235DA — TL — 6177	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 6177	67	73	—	PB	G
0.238	5000	510	17200	1750	179000	18200	3 — 6235DA — TL — 7569	67	73	—	PB	G
	5400	550	22600	2300	208000	21200	3 — 6245DA — TL — 7569	67	73	—	PB	G
0.195	7360	750	32500	3310	258000	26300	3 — 6255TB — TL — 9251	—	—	69	G	G
0.165	9810	1000	46000	4690	276000	28100	3 — 6265TA — TL — 10933	—	—	69	PB	G
0.132	13700	1400	46000	4690	276000	28100	3 — 6265TA — TL — 13629	—	—	69	PB	G
0.111	10300	1050	46000	4690	276000	28100	3 — 6265TA — TL — 16211	—	—	69	PB	G
0.088	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 20339	—	—	—	PB	G
0.075	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 24037	—	—	—	PB	G
0.064	14700	1500	68200	6950	248000	25300	3 — 6275TA — TL — 27907	—	—	—	PB	G

3.0kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	50	5	88	9.00	4930	500	4 — 6120 — TL — 6	61	71	—	MF	MF
225	50	5	115	11.7	5500	560	4 — 6120 — TL — 8	61	71	—	MF	MF
164	50	5	160	16.3	6250	635	4 — 6120 — TL — 11	61	71	—	MF	MF
138	50	5	190	19.4	6450	655	4 — 6120 — TL — 13	61	71	—	MF	MF
120	50	5	220	22.4	6920	705	4 — 6120 — TL — 15	61	71	—	MF	MF
106	50	5	250	25.5	6980	712	4 — 6120 — TL — 17	61	71	—	MF	MF
85.7	100	10	305	31.1	8970	914	4 — 6130 — TL — 21	61	71	—	PB	G
72.0	100	10	365	37.2	9310	949	4 — 6130 — TL — 25	61	71	—	PB	G
62.1	100	10	425	43.3	9790	998	4 — 6130 — TL — 29	61	71	—	PB	G
51.4	100	10	515	52.5	10300	1050	4 — 6130 — TL — 35	61	71	—	PB	G
41.9	100	10	630	64.2	11000	1120	4 — 6135 — TL — 43	61	71	—	PB	G
35.3	200	20	750	76.5	20000	2040	4 — 6160 — TL — 51	61	71	—	PB	P
30.5	200	20	865	88.2	22100	2250	4 — 6160 — TL — 59	61	71	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
22.7	100	10	780	79.5	13900	1410	☆4 — 6130DC — TL — 66	63	72	—	G	G
	100	10	940	95.8	13700	1400	☆4 — 6135DC — TL — 66	63	72	—	G	G
	200	20	1070	109	22100	2250	4 — 6160DC — TL — 66	63	72	—	PB	P
19.2	100	10	940	95.8	14400	1470	☆4 — 6135DC — TL — 78	63	72	—	G	G
	100	10	1230	125	16000	1630	☆4 — 6140DC — TL — 78	63	72	—	G	G
	200	20	1270	129	22100	2250	4 — 6160DC — TL — 78	63	72	—	PB	P
17.0	150	15	1230	125	16000	1630	☆4 — 6140DC — TL — 88	63	72	—	G	G
	200	20	1430	146	22100	2250	4 — 6160DC — TL — 88	63	72	—	PB	P
14.4	150	15	1230	125	16000	1630	☆4 — 6140DC — TL — 104	63	72	—	G	G
	150	15	1370	140	15900	1620	☆4 — 6145DC — TL — 104	63	72	—	G	G
	200	20	1690	172	22100	2250	4 — 6160DC — TL — 104	63	72	—	PB	P
12.4	200	20	1760	179	22100	2250	☆4 — 6160DB — TL — 121	63	72	—	G	G
	200	20	1960	200	22100	2250	4 — 6165DC — TL — 121	63	72	—	PB	P
10.5	200	20	1760	179	22100	2250	☆4 — 6160DB — TL — 143	63	72	—	G	G
	200	20	2100	214	22100	2250	☆4 — 6165DB — TL — 143	63	72	—	G	G
	290	30	2320	236	29500	3010	4 — 6170DC — TL — 143	63	72	—	PB	P
9.09	200	20	2100	214	22100	2250	☆4 — 6165DB — TL — 165	63	72	—	G	G
	290	30	2530	258	29500	3010	☆4 — 6170DB — TL — 165	63	72	—	G	G
	290	30	2680	273	29500	3010	4 — 6175DC — TL — 165	63	72	—	PB	P
7.69	290	30	2530	258	29500	3010	☆4 — 6170DB — TL — 195	63	72	—	G	G
	290	30	2800	285	29500	3010	☆4 — 6175DB — TL — 195	63	72	—	G	G
	290	30	3150	321	29500	3010	4 — 6175DC — TL — 195	63	72	—	PB	P
6.49	290	30	2530	258	29500	3010	☆4 — 6170DB — TL — 231	63	72	—	G	G
	290	30	3150	321	29500	3010	☆4 — 6175DB — TL — 231	63	72	—	G	G
	490	50	3750	382	41700	4250	4 — 6180DB — TL — 231	65	72	—	PB	P
5.49	290	30	3150	321	29500	3010	☆4 — 6175DB — TL — 273	63	72	—	G	G
	490	50	3920	400	41700	4250	☆4 — 6180DA — TL — 273	65	72	—	G	G
	490	50	4430	452	41700	4250	4 — 6185DB — TL — 273	65	72	—	PB	P
4.70	490	50	4050	413	41700	4250	☆4 — 6180DA — TL — 319	65	72	—	G	G
	980	100	5180	528	59000	6010	4 — 6190DA — TL — 319	65	72	—	PB	P
3.98	490	50	5000	510	41700	4250	☆4 — 6185DA — TL — 377	65	72	—	G	G
	980	100	6120	624	59000	6010	4 — 6190DA — TL — 377	65	72	—	PB	P
3.17	980	100	6380	650	59000	6010	4 — 6190DA — TL — 473	65	72	—	PB	P
	980	100	7680	783	59000	6010	4 — 6195DA — TL — 473	65	72	—	PB	P
2.68	980	100	6380	650	59000	6010	4 — 6190DA — TL — 559	65	72	—	PB	P
	980	100	7960	811	59000	6010	4 — 6195DA — TL — 559	65	72	—	PB	P
	2160	220	9080	926	84100	8570	4 — 6205DB — TL — 559	65	73	—	PB	P
2.31	980	100	7960	811	58100	5930	4 — 6195DA — TL — 649	65	72	—	PB	P
	2160	220	9300	948	84100	8570	4 — 6205DB — TL — 649	65	73	—	PB	P
	2650	270	10500	1070	104000	10600	4 — 6215DA — TL — 649	65	73	—	PB	P
2.05	2160	220	9300	948	84100	8570	4 — 6205DB — TL — 731	65	73	—	PB	P
	2650	270	11900	1210	104000	10600	4 — 6215DA — TL — 731	65	73	—	PB	P
1.78	2160	220	9230	941	84100	8570	4 — 6205DB — TL — 841	65	73	—	PB	P
	2650	270	12700	1290	104000	10600	4 — 6215DA — TL — 841	65	73	—	PB	P
1.50	2650	270	12700	1290	104000	10600	4 — 6215DA — TL — 1003	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	4 — 6225DA — TL — 1003	67	73	—	PB	P
	4410	450	16300	1660	179000	18200	4 — 6235DA — TL — 1003	67	73	—	PB	P
1.20	3430	350	16000	1630	145000	14800	4 — 6225DA — TL — 1247	67	73	—	PB	P
	4410	450	20200	2060	179000	18200	4 — 6235DA — TL — 1247	67	73	—	PB	P
1.01	4810	490	17200	1750	179000	18200	4 — 6235DA — TL — 1479	67	73	—	PB	P
	5400	550	22600	2300	208000	21200	4 — 6245DA — TL — 1479	67	73	—	PB	P
0.811	4410	450	20500	2090	179000	18200	4 — 6235DA — TL — 1849	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	4 — 6245DA — TL — 1849	67	73	—	PB	P
0.726	5400	550	25800	2630	208000	21200	4 — 6245DA — TL — 2065	67	73	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

3.0kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
27.3	100	10	780	79.5	13000	1320	☆4 — 6130DC — TL — 66	63	72	—	G	G
	100	10	890	90.7	12900	1320	☆4 — 6135DC — TL — 66	63	72	—	G	G
	200	20	890	90.7	22100	2250	4 — 6160DC — TL — 66	63	72	—	PB	P
23.1	100	10	940	95.8	13500	1380	☆4 — 6135DC — TL — 78	63	72	—	G	G
	100	10	1060	108	16000	1630	☆4 — 6140DC — TL — 78	63	72	—	G	G
	200	20	1060	108	22100	2250	4 — 6160DC — TL — 78	63	72	—	PB	P
20.5	150	15	1190	121	16000	1630	☆4 — 6140DC — TL — 88	63	72	—	G	G
	200	20	1190	121	22100	2250	4 — 6160DC — TL — 88	63	72	—	PB	P
17.3	150	15	1230	125	16000	1630	☆4 — 6140DC — TL — 104	63	72	—	G	G
	150	15	1370	140	15900	1620	☆4 — 6145DC — TL — 104	63	72	—	G	G
	200	20	1410	144	22100	2250	4 — 6160DC — TL — 104	63	72	—	PB	P
14.9	200	20	1640	167	22100	2250	☆4 — 6160DB — TL — 121	63	72	—	G	G
	200	20	1640	167	22100	2250	4 — 6165DC — TL — 121	63	72	—	PB	P
12.6	200	20	1760	179	22100	2250	☆4 — 6160DB — TL — 143	63	72	—	G	G
	200	20	1930	197	22100	2250	☆4 — 6165DB — TL — 143	63	72	—	G	G
	290	30	1930	197	29500	3010	4 — 6170DC — TL — 143	63	72	—	PB	P
10.9	200	20	2100	214	22100	2250	☆4 — 6165DB — TL — 165	63	72	—	G	G
	290	30	2230	227	29500	3010	☆4 — 6170DB — TL — 165	63	72	—	G	G
	290	30	2230	227	29500	3010	4 — 6175DC — TL — 165	63	72	—	PB	P
9.23	290	30	2530	258	29500	3010	☆4 — 6170DB — TL — 195	63	72	—	G	G
	290	30	2640	269	29500	3010	☆4 — 6175DB — TL — 195	63	72	—	G	G
	290	30	2640	269	29500	3010	4 — 6175DC — TL — 195	63	72	—	PB	P
7.79	290	30	2530	258	29500	3010	☆4 — 6170DB — TL — 231	63	72	—	G	G
	290	30	3130	319	29500	3010	☆4 — 6175DB — TL — 231	63	72	—	G	G
	490	50	3130	319	41700	4250	4 — 6180DB — TL — 231	65	72	—	PB	P
6.59	290	30	3150	321	29500	3010	☆4 — 6175DB — TL — 273	63	72	—	G	G
	490	50	3690	376	41700	4250	☆4 — 6180DA — TL — 273	65	72	—	G	G
	490	50	3690	376	41700	4250	4 — 6185DB — TL — 273	65	72	—	PB	P
5.64	490	50	4050	413	41700	4250	☆4 — 6180DA — TL — 319	65	72	—	G	G
	980	100	4320	440	59000	6010	4 — 6190DA — TL — 319	65	72	—	PB	P
4.77	490	50	5000	510	41700	4250	☆4 — 6185DA — TL — 377	65	72	—	G	G
	980	100	5100	520	59000	6010	4 — 6190DA — TL — 377	65	72	—	PB	P
3.81	980	100	6380	650	59000	6010	4 — 6190DA — TL — 473	65	72	—	PB	P
	980	100	6400	652	59000	6010	4 — 6195DA — TL — 473	65	72	—	PB	P
3.22	980	100	6380	650	59000	6010	4 — 6190DA — TL — 559	65	72	—	PB	P
	980	100	7560	771	59000	6010	4 — 6195DA — TL — 559	65	72	—	PB	P
	2160	220	7560	771	84100	8570	4 — 6205DB — TL — 559	65	73	—	PB	P
2.77	980	100	7960	811	58100	5930	4 — 6195DA — TL — 649	65	72	—	PB	P
	2160	220	8780	895	84100	8570	4 — 6205DB — TL — 649	65	73	—	PB	P
	2650	270	8780	895	104000	10600	4 — 6215DA — TL — 649	65	73	—	PB	P
2.46	2160	220	9300	948	84100	8570	4 — 6205DB — TL — 731	65	73	—	PB	P
	2650	270	9890	1010	104000	10600	4 — 6215DA — TL — 731	65	73	—	PB	P
2.14	2160	220	9230	941	84100	8570	4 — 6205DB — TL — 841	65	73	—	PB	P
	2650	270	11400	1160	104000	10600	4 — 6215DA — TL — 841	65	73	—	PB	P
1.79	2650	270	12700	1290	104000	10600	4 — 6215DA — TL — 1003	65	73	—	PB	P
	3430	350	13600	1390	145000	14800	4 — 6225DA — TL — 1003	67	73	—	PB	P
	4410	450	13600	1390	179000	18200	4 — 6235DA — TL — 1003	67	73	—	PB	P
1.44	3430	350	16000	1630	145000	14800	4 — 6225DA — TL — 1247	67	73	—	PB	P
	4410	450	16900	1720	179000	18200	4 — 6235DA — TL — 1247	67	73	—	PB	P
1.22	4810	490	17200	1750	179000	18200	4 — 6235DA — TL — 1479	67	73	—	PB	P
	5400	550	20000	2040	208000	21200	4 — 6245DA — TL — 1479	67	73	—	PB	P
0.973	4410	450	20500	2090	179000	18200	4 — 6235DA — TL — 1849	67	73	—	PB	P
	5400	550	25000	2550	208000	21200	4 — 6245DA — TL — 1849	67	73	—	PB	P
0.872	5400	550	25800	2630	208000	21200	4 — 6245DA — TL — 2065	67	73	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

3.7kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
250	50	5	130	13.3	5220	530	5 — 6120 — TL — 6	61	71	—	MF	MF
188	50	5	170	17.3	5810	590	5 — 6120 — TL — 8	61	71	—	MF	MF
136	50	5	240	24.5	6590	670	5 — 6120 — TL — 11	61	71	—	MF	MF
115	50	5	280	28.5	6800	690	5 — 6120 — TL — 13	61	71	—	MF	MF
100	50	5	315	32.1	7290	740	5 — 6120 — TL — 15	61	71	—	MF	MF
88.2	100	10	370	37.7	8860	900	5 — 6130 — TL — 17	61	71	—	PB	G
71.4	100	10	455	46.4	9460	960	5 — 6130 — TL — 21	61	71	—	PB	G
60.0	100	10	545	55.6	9810	1000	5 — 6135 — TL — 25	61	71	—	PB	G
51.7	100	10	630	64.2	10300	1050	5 — 6130 — TL — 29	61	71	—	PB	G
42.9	100	10	705	71.9	10800	1100	5 — 6135 — TL — 35	61	71	—	PB	G
34.9	200	20	935	95.3	20400	2080	5 — 6160 — TL — 43	61	71	—	PB	P
29.4	200	20	1110	113	21100	2150	5 — 6160 — TL — 51	61	71	—	PB	P
25.4	100	20	1290	131	22100	2250	5 — 6160 — TL — 59	61	71	—	PB	P
22.7	200	10	1230	125	16000	1630	☆5 — 6140DC — TL — 66	63	72	—	G	G
	100	20	1320	135	22100	2250	5 — 6160DC — TL — 66	63	72	—	PB	P
19.2	200	10	1230	125	16000	1630	☆5 — 6140DC — TL — 78	63	72	—	G	G
	200	20	1560	159	22100	2250	5 — 6160DC — TL — 78	63	72	—	PB	P
17.0	200	20	1760	180	22100	2250	5 — 6160DC — TL — 88	63	72	—	PB	P
14.4	200	20	1760	179	22100	2250	☆5 — 6160DB — TL — 104	63	72	—	G	G
	200	20	2080	212	22100	2250	5 — 6165DC — TL — 104	63	72	—	PB	P
12.4	200	20	2030	207	22100	2250	☆5 — 6165DB — TL — 121	63	72	—	G	G
	290	30	2420	247	29500	3010	5 — 6170DC — TL — 121	63	27	—	PB	P
10.5	290	30	2400	245	29500	3010	☆5 — 6170DB — TL — 143	63	72	—	G	G
	290	30	2860	292	29500	3010	5 — 6175DC — TL — 143	63	72	—	PB	P
9.09	290	30	2530	258	29500	3010	☆5 — 6170DB — TL — 165	63	72	—	G	G
	290	30	3150	321	29500	3010	5 — 6175DC — TL — 165	63	72	—	PB	P
	490	50	3300	336	41700	4250	5 — 6180DB — TL — 165	65	72	—	PB	P
7.69	290	30	3150	321	29500	3010	5 — 6175DC — TL — 195	63	72	—	PB	P
	490	50	3900	398	41700	4250	5 — 6180DB — TL — 195	65	72	—	PB	P
6.49	490	50	3870	394	41700	4250	☆5 — 6180DA — TL — 231	65	72	—	G	G
	490	50	4630	472	41700	4250	5 — 6185DB — TL — 231	65	72	—	PB	P
5.49	490	50	5000	510	41700	4250	5 — 6185DB — TL — 273	65	72	—	PB	P
4.70	490	50	5000	510	41700	4250	☆5 — 6185DA — TL — 319	65	72	—	G	G
	980	100	6380	650	59000	6010	5 — 6190DA — TL — 319	65	72	—	PB	P
3.98	980	100	6380	650	59000	6010	5 — 6190DA — TL — 377	65	72	—	PB	P
	980	100	7550	770	59000	6010	5 — 6195DB — TL — 377	65	72	—	PB	P
3.17	980	100	7960	811	59000	6010	5 — 6195DA — TL — 473	65	72	—	PB	P
	2160	220	9300	948	84100	8570	5 — 6205DB — TL — 473	65	73	—	PB	P
2.68	2160	220	9300	948	84100	8570	5 — 6205DB — TL — 559	65	73	—	PB	P
	2650	270	11200	1140	104000	10600	5 — 6215DA — TL — 559	65	73	—	PB	P
2.31	2650	270	12700	1290	104000	10600	5 — 6215DA — TL — 649	65	73	—	PB	P
	3430	350	13000	1330	145000	14800	5 — 6225DA — TL — 649	67	73	—	PB	P
2.05	2650	270	12700	1290	104000	10600	5 — 6215DA — TL — 731	65	73	—	PB	P
	3430	350	14600	1490	145000	14800	5 — 6225DA — TL — 731	67	73	—	PB	P
1.78	2650	270	12700	1290	104000	10600	5 — 6215DA — TL — 841	65	73	—	PB	P
	3430	350	14700	1500	145000	14800	5 — 6225DA — TL — 841	67	73	—	PB	P
	4410	450	16800	1710	179000	18200	5 — 6235DA — TL — 841	67	73	—	PB	P
1.50	3430	350	15900	1620	145000	14800	5 — 6225DA — TL — 1003	67	73	—	PB	P
	4410	450	20100	2050	179000	18200	5 — 6235DA — TL — 1003	67	73	—	PB	P
1.20	4410	450	20500	2090	179000	18200	5 — 6235DA — TL — 1247	67	73	—	PB	P
	5400	550	25000	2550	208000	21200	5 — 6245DA — TL — 1247	67	73	—	PB	P
1.01	5400	550	22600	2300	208000	21200	5 — 6245DA — TL — 1479	67	73	—	PB	P
	12300	1250	29600	3020	258000	26300	5 — 6255DA — TL — 1479	67	73	—	PB	P
0.811	7360	750	34500	3520	258000	26300	5 — 6255DA — TL — 1849	67	73	—	PB	P
0.726	8340	850	34500	3520	258000	26300	5 — 6255DA — TL — 2065	67	73	—	PB	P
0.591	8340	850	34500	3520	258000	26300	5 — 6255DA — TL — 2537	67	73	—	PB	P
0.493	12300	1250	31000	3160	258000	26300	5 — 6255DA — TL — 3045	67	73	—	PB	G
0.431	8440	860	34500	3520	258000	26300	5 — 6255DA — TL — 3481	67	73	—	PB	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

3.7kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	50	5	105	10.7	4910	500	5	6120	TL	6	61	71	—	MF	MF
225	50	5	145	14.8	5480	555	5	6120	TL	8	61	71	—	MF	MF
164	50	5	200	20.4	6210	630	5	6120	TL	11	61	71	—	MF	MF
138	50	5	235	24.0	6410	650	5	6120	TL	13	61	71	—	MF	MF
120	50	5	270	27.5	6870	700	5	6120	TL	15	61	71	—	MF	MF
106	100	10	305	31.1	8350	850	5	6130	TL	17	61	71	—	PB	G
85.7	100	10	380	38.7	8920	905	5	6130	TL	21	61	71	—	PB	G
72.0	100	10	450	45.9	9250	940	5	6135	TL	25	61	71	—	PB	G
62.1	100	10	525	53.5	9720	990	5	6130	TL	29	61	71	—	PB	G
51.4	100	10	635	64.7	10200	1040	5	6135	TL	35	61	71	—	PB	G
41.9	200	20	780	79.5	19200	1960	5	6160	TL	43	61	71	—	PB	P
35.3	200	20	925	94.3	19900	2030	5	6160	TL	51	61	71	—	PB	P
30.5	100	10	1070	109	22100	2250	5	6160	TL	59	61	71	—	PB	P
27.3	200	20	1090	111	16000	1630	☆5	6140DC	TL	66	63	72	—	G	G
	100	10	1100	112	22100	2250	5	6160DC	TL	66	63	72	—	PB	P
23.1	200	20	1230	125	16000	1630	☆5	6140DC	TL	78	63	72	—	G	G
	200	20	1300	133	22100	2250	5	6160DC	TL	78	63	72	—	PB	P
20.5	200	20	1470	150	22100	2250	5	6165DC	TL	88	63	72	—	PB	P
17.3	200	20	1710	174	22100	2250	5	6160DB	TL	104	63	72	—	G	G
	200	20	1740	177	22100	2250	☆5	6165DC	TL	104	63	72	—	PB	P
14.9	200	20	1990	203	22100	2250	5	6165DB	TL	121	63	72	—	G	G
	290	30	2020	206	29500	3010	☆5	6170DC	TL	121	63	27	—	PB	P
12.6	290	30	2360	241	29500	3010	5	6170DB	TL	143	63	72	—	G	G
	290	30	2390	244	29500	3010	☆5	6175DC	TL	143	63	72	—	PB	P
10.9	290	30	2530	258	29500	3010	5	6170DB	TL	165	63	72	—	G	G
	290	30	2750	280	29500	3010	☆5	6175DC	TL	165	63	72	—	PB	P
	490	50	2750	280	41700	4250	5	6180DB	TL	165	65	72	—	PB	P
9.23	290	30	3150	321	29500	3010	5	6175DC	TL	195	63	72	—	PB	P
	490	50	3250	331	41700	4250	5	6180DB	TL	195	65	72	—	PB	P
7.79	490	50	3810	388	41700	4250	5	6180DA	TL	231	65	72	—	G	G
	490	50	3850	392	41700	4250	☆5	6185DB	TL	231	65	72	—	PB	P
6.59	490	50	4560	465	41700	4250	5	6185DB	TL	273	65	72	—	PB	P
5.64	490	50	5000	510	41700	4250	5	6185DA	TL	319	65	72	—	G	G
	980	100	5320	542	59000	6010	☆5	6190DA	TL	319	65	72	—	PB	P
4.77	980	100	6290	641	59000	6010	5	6190DA	TL	377	65	72	—	PB	P
	980	100	6290	641	59000	6010	5	6195DB	TL	377	65	72	—	PB	P
3.81	980	100	7890	804	59000	6010	5	6195DA	TL	473	65	72	—	PB	P
	2160	220	7890	804	84100	8570	5	6205DB	TL	473	65	73	—	PB	P
3.22	2160	220	9300	948	84100	8570	5	6205DB	TL	559	65	73	—	PB	P
	2650	270	9330	951	104000	10600	5	6215DA	TL	559	65	73	—	PB	P
2.77	2650	270	10800	1100	104000	10600	5	6215DA	TL	649	65	73	—	PB	P
	3430	350	10800	1100	145000	14800	5	6225DA	TL	649	67	73	—	PB	P
2.46	2650	270	12200	1250	104000	10600	5	6215DA	TL	731	65	73	—	PB	P
	3430	350	12200	1250	145000	14800	5	6225DA	TL	731	67	73	—	PB	P
2.14	2650	270	12700	1290	104000	10600	5	6215DA	TL	841	65	73	—	PB	P
	3430	350	14000	1430	145000	14800	5	6225DA	TL	841	67	73	—	PB	P
	4410	450	14000	1430	179000	18200	5	6235DA	TL	841	67	73	—	PB	P
1.79	3430	350	15900	1620	145000	14800	5	6225DA	TL	1003	67	73	—	PB	P
	4410	450	16700	1700	179000	18200	5	6235DA	TL	1003	67	73	—	PB	P
1.44	4410	450	20500	2090	179000	18200	5	6235DA	TL	1247	67	73	—	PB	P
	5400	550	20800	2120	208000	21200	5	6245DA	TL	1247	67	73	—	PB	P
1.22	5400	550	22600	2300	208000	21200	5	6245DA	TL	1479	67	73	—	PB	P
	12300	1250	24700	2520	258000	26300	5	6255DA	TL	1479	67	73	—	PB	P
0.973	7360	750	30900	3150	258000	26300	5	6255DA	TL	1849	67	73	—	PB	P
0.872	8340	850	34500	3520	258000	26300	5	6255DA	TL	2065	67	73	—	PB	P
0.709	8340	850	34500	3520	258000	26300	5	6255DA	TL	2537	67	73	—	PB	P
0.591	12300	1250	31000	3160	258000	26300	5	6255DA	TL	3045	67	73	—	PB	G
0.517	8440	860	34500	3520	258000	26300	5	6255DA	TL	3481	67	73	—	PB	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

3.7kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
0.338	12800	1300	31000	3160	258000	26300	5	6255DA	TL	4437	67	73	—	PB	G
0.292	14200	1450	34500	3520	258000	26300	5	6255DA	TL	5133	67	73	—	PB	G
0.243	21100	2150	31000	3160	258000	26300	5	6255DB	TL	6177	67	73	—	PB	G
0.162	9810	1000	46000	4690	276000	28100	5	6265TA	TL	9251	—	—	69	PB	G
0.137	14700	1500	68200	6950	248000	25300	5	6275TA	TL	10933	—	—	—	PB	G
0.110	14700	1500	68200	6950	248000	25300	5	6275TA	TL	13629	—	—	—	PB	G
0.093	14700	1500	68200	6950	248000	25300	5	6275TA	TL	16211	—	—	—	PB	G

5.5kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
250	50	5	190	19.4	5150	525	8	6125	TL	6	61	71	—	MF	MF
188	50	5	255	26.0	5730	580	8	6125	TL	8	61	71	—	MF	MF
136	100	10	355	36.2	7700	785	8	6130	TL	11	61	71	—	PB	G
115	100	10	420	42.8	8000	815	8	6130	TL	13	61	71	—	PB	G
100	100	10	485	49.4	8150	830	8	6130	TL	15	61	71	—	PB	G
88.2	100	10	550	56.1	8740	890	8	6135	TL	17	61	71	—	PB	G
71.4	100	10	680	69.3	9290	945	8	6135	TL	21	61	71	—	PB	G
60.0	200	20	810	82.6	17100	1740	8	6160	TL	25	61	71	—	PB	P
51.7	200	20	935	95.3	17800	1820	8	6160	TL	29	61	71	—	PB	P
42.9	200	20	1130	115	18900	1920	8	6160	TL	35	61	71	—	PB	P
34.9	200	20	1290	131	20200	2050	8	6160	TL	43	61	71	—	PB	P
	290	30	1390	142	22800	2330	8	6170	TL	43	61	71	—	PB	P
29.4	290	30	1650	168	23800	2420	8	6170	TL	51	61	71	—	PB	P
25.4	290	30	1910	195	24900	2530	8	6175	TL	59	61	71	—	PB	P
22.7	200	20	1760	179	22100	2250	8	6160DC	TL	66	63	72	—	PB	P
	200	20	1960	200	22100	2250	8	6165DC	TL	66	63	72	—	PB	P
19.2	200	20	1760	179	22100	2250	8	6160DC	TL	78	63	72	—	PB	P
	200	20	2100	214	22100	2250	8	6165DC	TL	78	63	72	—	PB	P
	200	20	2320	236	27800	2830	8	6170DC	TL	78	63	72	—	PB	P
17.0	200	20	1760	179	22100	2250	8	6160DC	TL	88	63	72	—	PB	P
	200	20	2100	214	22100	2250	8	6165DC	TL	88	63	72	—	PB	P
	290	30	2380	243	29300	2980	8	6170DC	TL	88	63	72	—	PB	P
	490	50	2620	267	39100	3980	8	6180DB	TL	88	65	72	—	PB	P
14.4	200	20	2100	214	22100	2250	8	6165DC	TL	104	63	72	—	PB	P
	290	30	2530	258	29500	3010	8	6170DC	TL	104	63	72	—	PB	P
	290	30	2820	287	29500	3010	8	6175DC	TL	104	63	72	—	PB	P
	490	50	3100	316	40600	4140	8	6180DB	TL	104	65	72	—	PB	P
12.4	290	30	2460	251	29500	3010	8	6170DC	TL	121	63	72	—	PB	P
	490	50	3600	367	41700	4250	8	6180DB	TL	121	65	72	—	PB	P
10.5	290	30	2900	296	29500	3010	8	6175DC	TL	143	63	72	—	PB	P
	490	50	4060	414	41700	4250	8	6180DB	TL	143	65	72	—	PB	P
	490	50	4260	434	41700	4250	8	6185DB	TL	143	65	72	—	PB	P
9.09	290	30	3150	321	29500	3010	8	6175DC	TL	165	63	72	—	PB	P
	490	50	4060	414	41700	4250	8	6180DB	TL	165	65	72	—	PB	P
	490	50	4910	501	41700	4250	8	6185DB	TL	165	65	72	—	PB	P
7.69	490	50	4060	414	41700	4250	8	6180DB	TL	195	65	72	—	PB	P
	490	50	4920	502	41700	4250	8	6185DB	TL	195	65	72	—	PB	P
	980	100	5800	591	59000	6010	8	6190DB	TL	195	65	72	—	PB	P
6.49	490	50	5000	510	41700	4250	8	6185DB	TL	231	65	72	—	PB	P
	980	100	6380	650	59000	6010	8	6190DB	TL	231	65	72	—	PB	P
	980	100	6880	701	59000	6010	8	6195DB	TL	231	65	72	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

3.7kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
0.406	12800	1300	31000	3160	258000	26300	5	6255DA	TL	4437	67	73	—	PB	G
0.351	14200	1450	34500	3520	258000	26300	5	6255DA	TL	5133	67	73	—	PB	G
0.291	21100	2150	31000	3160	258000	26300	5	6255DB	TL	6177	67	73	—	PB	G
0.195	9810	1000	46000	4690	276000	28100	5	6265TA	TL	9251	—	—	69	PB	G
0.165	14700	1500	68200	6950	248000	25300	5	6275TA	TL	10933	—	—	—	PB	G
0.132	14700	1500	68200	6950	248000	25300	5	6275TA	TL	13629	—	—	—	PB	G
0.111	14700	1500	68200	6950	248000	25300	5	6275TA	TL	16211	—	—	—	PB	G

5.5kW 60Hz

Motor Speed n_1

4P

1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	50	5	160	16.3	4860	495	8	6125	TL	6	61	71	—	MF	MF
225	50	5	215	21.9	5410	550	8	6125	TL	8	61	71	—	MF	MF
164	100	10	295	30.1	7260	740	8	6130	TL	11	61	71	—	PB	G
138	100	10	350	35.7	7550	765	8	6130	TL	13	61	71	—	PB	G
120	100	10	405	41.3	7690	780	8	6130	TL	15	61	71	—	PB	G
106	100	10	455	46.4	8250	840	8	6135	TL	17	61	71	—	PB	G
85.7	100	10	565	57.6	8780	895	8	6135	TL	21	61	71	—	PB	G
72.0	200	20	675	68.8	16100	1640	8	6160	TL	25	61	71	—	PB	P
62.1	200	20	780	79.5	16800	1710	8	6160	TL	29	61	71	—	PB	P
51.4	200	20	945	96.3	17800	1810	8	6160	TL	35	61	71	—	PB	P
41.9	200	20	1160	118	19000	1930	8	6160	TL	43	61	71	—	PB	P
	290	30	1160	118	21500	2190	8	6170	TL	43	61	71	—	PB	P
35.3	290	30	1380	141	22400	2280	8	6170	TL	51	61	71	—	PB	P
30.5	290	30	1590	162	23500	2390	8	6175	TL	59	61	71	—	PB	P
27.3	200	20	1640	167	22100	2250	8	6160DC	TL	66	63	72	—	PB	P
	200	20	1640	167	22100	2250	8	6165DC	TL	66	63	72	—	PB	P
23.1	200	20	1760	179	22100	2250	8	6160DC	TL	78	63	72	—	PB	P
	200	20	1930	197	22100	2250	8	6165DC	TL	78	63	72	—	PB	P
	200	20	1930	197	26200	2670	8	6170DC	TL	78	63	72	—	PB	P
20.5	200	20	1760	179	22100	2250	8	6160DC	TL	88	63	72	—	PB	P
	200	20	2100	214	22100	2250	8	6165DC	TL	88	63	72	—	PB	P
	290	30	2180	222	27500	2810	8	6170DC	TL	88	63	72	—	PB	P
	490	50	2180	222	36800	3750	8	6180DB	TL	88	65	72	—	PB	P
17.3	200	20	2100	214	22100	2250	8	6165DC	TL	104	63	72	—	PB	P
	290	30	2530	258	28600	2920	8	6170DC	TL	104	63	72	—	PB	P
	290	30	2580	263	28600	2920	8	6175DC	TL	104	63	72	—	PB	P
	490	50	2580	263	38300	3900	8	6180DB	TL	104	65	72	—	PB	P
14.9	290	30	2460	251	29500	3010	8	6170DC	TL	121	63	72	—	PB	P
	490	50	3000	306	40700	4150	8	6180DB	TL	121	65	72	—	PB	P
12.6	290	30	2900	296	29500	3010	8	6175DC	TL	143	63	72	—	PB	P
	490	50	3550	362	41700	4250	8	6180DB	TL	143	65	72	—	PB	P
	490	50	3550	362	41700	4250	8	6185DB	TL	143	65	72	—	PB	P
10.9	290	30	3150	321	29500	3010	8	6175DC	TL	165	63	72	—	PB	P
	490	50	4060	414	41700	4250	8	6180DB	TL	165	65	72	—	PB	P
	490	50	4090	417	41700	4250	8	6185DB	TL	165	65	72	—	PB	P
9.23	490	50	4060	414	41700	4250	8	6180DB	TL	195	65	72	—	PB	P
	490	50	4840	493	41700	4250	8	6185DB	TL	195	65	72	—	PB	P
	980	100	4840	493	59000	6010	8	6190DB	TL	195	65	72	—	PB	P
7.79	490	50	5000	510	41700	4250	8	6185DB	TL	231	65	72	—	PB	P
	980	100	5730	585	59000	6010	8	6190DB	TL	231	65	72	—	PB	P
	980	100	5730	585	59000	6010	8	6195DB	TL	231	65	72	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
5.49	980	100	6380	650	59000	6010	8 — 6190DB — TL — 273	65	72	—	PB	P
	980	100	7960	811	59000	6010	8 — 6195DB — TL — 273	65	72	—	PB	P
4.70	980	100	6380	650	59000	6010	8 — 6190DA — TL — 319	65	72	—	PB	P
	980	100	7960	811	59000	6010	8 — 6195DB — TL — 319	65	72	—	PB	P
	2160	220	9230	941	84100	8570	8 — 6205DB — TL — 319	65	73	—	PB	P
	2650	270	9490	967	104000	10600	8 — 6215DA — TL — 319	65	73	—	PB	P
3.98	980	100	7960	811	59000	6010	8 — 6195DB — TL — 377	65	72	—	PB	P
	2160	220	9230	941	84100	8570	8 — 6205DB — TL — 377	65	73	—	PB	P
	2650	270	11200	1140	104000	10600	8 — 6215DA — TL — 377	65	73	—	PB	P
3.17	2160	220	9300	948	84100	8570	8 — 6205DB — TL — 473	65	73	—	PB	P
	2650	270	12700	1290	104000	10600	8 — 6215DA — TL — 473	65	73	—	PB	P
	3430	350	14100	1440	145000	14800	8 — 6225DA — TL — 473	67	73	—	PB	P
2.68	2650	270	12700	1290	104000	10600	8 — 6215DA — TL — 559	65	73	—	PB	P
	3430	350	16000	1630	145000	14800	8 — 6225DA — TL — 559	67	73	—	PB	P
	4410	450	16600	1690	179000	18200	8 — 6235DA — TL — 559	67	73	—	PB	P
2.31	2650	270	12700	1290	104000	10600	8 — 6215DA — TL — 649	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	8 — 6225DA — TL — 649	67	73	—	PB	P
	4410	450	19300	1970	179000	18200	8 — 6235DA — TL — 649	67	73	—	PB	P
2.05	3430	350	16000	1630	145000	14800	8 — 6225DA — TL — 731	67	73	—	PB	P
	4410	450	20500	2090	179000	18200	8 — 6235DA — TL — 731	67	73	—	PB	P
	5400	550	21800	2220	208000	21200	8 — 6245DA — TL — 731	67	73	—	PB	P
1.78	4410	450	18900	1930	179000	18200	8 — 6235DA — TL — 841	67	73	—	PB	P
	5400	550	25000	2560	208000	21200	8 — 6245DA — TL — 841	67	73	—	PB	P
1.50	4410	450	20500	2090	179000	18200	8 — 6235DA — TL — 1003	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	8 — 6245DA — TL — 1003	67	73	—	PB	P
	8040	820	29900	3050	258000	26300	8 — 6255DA — TL — 1003	67	73	—	PB	P
1.20	5400	550	25800	2630	208000	21200	8 — 6245DA — TL — 1247	67	73	—	PB	P
	7360	750	34500	3520	258000	26300	8 — 6255DA — TL — 1247	67	73	—	PB	P
	10300	1050	37100	3790	276000	28100	8 — 6265DA — TL — 1247	67	73	—	PB	P
1.01	12300	1250	31000	3160	258000	26300	8 — 6255DA — TL — 1479	67	73	—	PB	P
	20100	2050	44000	4490	276000	28100	8 — 6265DA — TL — 1479	67	73	—	PB	P
0.811	7360	750	34500	3520	258000	26300	8 — 6255DA — TL — 1849	67	73	—	PB	P
	10300	1050	46000	4690	276000	28100	8 — 6265DA — TL — 1849	67	73	—	PB	P
	14700	1500	55000	5610	248000	25300	8 — 6275DA — TL — 1849	67	73	—	PB	TP
0.726	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 2065	67	73	—	PB	P
	14700	1500	61500	6270	248000	25300	8 — 6275DA — TL — 2065	67	73	—	PB	TP
0.591	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 2537	67	73	—	PB	P
	14700	1500	68200	6950	248000	25300	8 — 6275DA — TL — 2537	67	73	—	PB	TP
0.493	14700	1500	44000	4490	276000	28100	8 — 6265DA — TL — 3045	67	73	—	PB	G
	14700	1500	68200	6950	245000	25000	8 — 6275DA — TL — 3045	67	73	—	PB	TP
0.431	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 3481	67	73	—	PB	G
	14700	1500	68200	6950	248000	25300	8 — 6275DA — TL — 3481	67	73	—	PB	TP
0.338	20600	2100	44000	4490	276000	28100	8 — 6265DA — TL — 4437	67	73	—	PB	G
	20600	2100	68200	6950	245000	25000	8 — 6275DA — TL — 4437	67	73	—	PB	TP
0.292	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 5133	67	73	—	PB	G
	20600	2100	68200	6950	245000	25000	8 — 6275DA — TL — 5133	67	73	—	PB	TP
0.243	21100	2150	44000	4490	276000	28100	8 — 6265DA — TL — 6177	67	73	—	PB	G
	21100	2150	68200	6950	245000	25000	8 — 6275DA — TL — 6177	67	73	—	PB	TP
0.198	21100	2150	44000	4490	276000	28100	8 — 6265DA — TL — 7569	67	73	—	PB	G
	21100	2150	68200	6950	245000	25000	8 — 6275DA — TL — 7569	67	73	—	PB	TP
0.162	14700	1500	68200	6950	248000	25300	8 — 6275TA — TL — 9251	—	—	—	PB	G

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
6.59	980	100	6380	650	59000	6010	8 — 6190DB — TL — 273	65	72	—	PB	P
	980	100	6770	690	59000	6010	8 — 6195DB — TL — 273	65	72	—	PB	P
5.64	980	100	6380	650	59000	6010	8 — 6190DA — TL — 319	65	72	—	PB	P
	980	100	7910	806	59000	6010	8 — 6195DB — TL — 319	65	72	—	PB	P
	2160	220	7910	806	84100	8570	8 — 6205DB — TL — 319	65	73	—	PB	P
	2650	270	7910	806	104000	10600	8 — 6215DA — TL — 319	65	73	—	PB	P
4.77	980	100	7960	811	59000	6010	8 — 6195DB — TL — 377	65	72	—	PB	P
	2160	220	9230	941	84100	8570	8 — 6205DB — TL — 377	65	73	—	PB	P
	2650	270	9350	953	104000	10600	8 — 6215DA — TL — 377	65	73	—	PB	P
3.81	2160	220	9300	948	84100	8570	8 — 6205DB — TL — 473	65	73	—	PB	P
	2650	270	11700	1190	104000	10600	8 — 6215DA — TL — 473	65	73	—	PB	P
	3430	350	11700	1190	145000	14800	8 — 6225DA — TL — 473	67	73	—	PB	P
3.22	2650	270	12700	1290	104000	10600	8 — 6215DA — TL — 559	65	73	—	PB	P
	3430	350	13900	1420	145000	14800	8 — 6225DA — TL — 559	67	73	—	PB	P
	4410	450	13900	1420	179000	18200	8 — 6235DA — TL — 559	67	73	—	PB	P
2.77	2650	270	12700	1290	104000	10600	8 — 6215DA — TL — 649	65	73	—	PB	P
	3430	350	15900	1620	145000	14800	8 — 6225DA — TL — 649	67	73	—	PB	P
	4410	450	16100	1640	179000	18200	8 — 6235DA — TL — 649	67	73	—	PB	P
2.46	3430	350	16000	1630	145000	14800	8 — 6225DA — TL — 731	67	73	—	PB	P
	4410	450	18100	1850	179000	18200	8 — 6235DA — TL — 731	67	73	—	PB	P
	5400	550	18100	1850	208000	21200	8 — 6245DA — TL — 731	67	73	—	PB	P
2.14	4410	450	18900	1930	179000	18200	8 — 6235DA — TL — 841	67	73	—	PB	P
	5400	550	20900	2130	208000	21200	8 — 6245DA — TL — 841	67	73	—	PB	P
1.79	4410	450	20500	2090	179000	18200	8 — 6235DA — TL — 1003	67	73	—	PB	P
	5400	550	24900	2540	208000	21200	8 — 6245DA — TL — 1003	67	73	—	PB	P
	8040	820	24900	2540	258000	26300	8 — 6255DA — TL — 1003	67	73	—	PB	P
1.44	5400	550	25800	2630	208000	21200	8 — 6245DA — TL — 1247	67	73	—	PB	P
	7360	750	30900	3160	258000	26300	8 — 6255DA — TL — 1247	67	73	—	PB	P
	10300	1050	30900	3160	276000	28100	8 — 6265DA — TL — 1247	67	73	—	PB	P
1.22	12300	1250	31000	3160	258000	26300	8 — 6255DA — TL — 1479	67	73	—	PB	P
	20100	2050	36700	3750	276000	28100	8 — 6265DA — TL — 1479	67	73	—	PB	P
0.973	7360	750	34500	3520	258000	26300	8 — 6255DA — TL — 1849	67	73	—	PB	P
	10300	1050	45900	4680	276000	28100	8 — 6265DA — TL — 1849	67	73	—	PB	P
	14700	1500	45900	4680	248000	25300	8 — 6275DA — TL — 1849	67	73	—	PB	TP
0.872	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 2065	67	73	—	PB	P
	14700	1500	51200	5220	248000	25300	8 — 6275DA — TL — 2065	67	73	—	PB	TP
0.709	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 2537	67	73	—	PB	P
	14700	1500	62900	6410	248000	25300	8 — 6275DA — TL — 2537	67	73	—	PB	TP
0.591	14700	1500	44000	4490	276000	28100	8 — 6265DA — TL — 3045	67	73	—	PB	G
	14700	1500	68200	6950	245000	25000	8 — 6275DA — TL — 3045	67	73	—	PB	TP
0.517	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 3481	67	73	—	PB	G
	14700	1500	68200	6950	248000	25300	8 — 6275DA — TL — 3481	67	73	—	PB	TP
0.406	20600	2100	44000	4490	276000	28100	8 — 6265DA — TL — 4437	67	73	—	PB	G
	20600	2100	68200	6950	245000	25000	8 — 6275DA — TL — 4437	67	73	—	PB	TP
0.351	14200	1450	46000	4690	276000	28100	8 — 6265DA — TL — 5133	67	73	—	PB	G
	20600	2100	68200	6950	245000	25000	8 — 6275DA — TL — 5133	67	73	—	PB	TP
0.291	21100	2150	44000	4490	276000	28100	8 — 6265DA — TL — 6177	67	73	—	PB	G
	21100	2150	68200	6950	245000	25000	8 — 6275DA — TL — 6177	67	73	—	PB	TP
0.238	21100	2150	44000	4490	276000	28100	8 — 6265DA — TL — 7569	67	73	—	PB	G
	21100	2150	68200	6950	245000	25000	8 — 6275DA — TL — 7569	67	73	—	PB	TP
0.195	14700	1500	68200	6950	248000	25300	8 — 6275TA — TL — 9251	—	—	—	PB	G

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

7.5kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
								CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf					H	V
250	100	10	265	27.0	6000	610	10 — 6130 — TL — 6	61	71	—	PB	G
188	100	10	350	35.7	6670	680	10 — 6130 — TL — 8	61	71	—	PB	G
136	100	10	485	49.4	7590	770	10 — 6130 — TL — 11	61	71	—	PB	G
115	100	10	570	58.1	7890	800	10 — 6130 — TL — 13	61	71	—	PB	G
100	100	10	660	67.3	8030	815	10 — 6135 — TL — 15	61	71	—	PB	G
88.2	100	10	685	69.8	8640	880	10 — 6135 — TL — 17	61	71	—	PB	G
	200	20	750	76.5	15200	1550	10 — 6160 — TL — 17	61	71	—	PB	P
71.4	200	20	925	94.3	16200	1650	10 — 6160 — TL — 21	61	71	—	PB	P
60.0	200	20	1100	112	16900	1730	10 — 6160 — TL — 25	61	71	—	PB	P
51.7	200	20	1280	130	17600	1800	10 — 6165 — TL — 29	61	71	—	PB	P
42.9	290	30	1550	158	21300	2170	10 — 6170 — TL — 35	61	71	—	PB	P
34.9	290	30	1900	194	22600	2300	10 — 6175 — TL — 43	61	71	—	PB	P
29.4	290	30	2150	219	23500	2400	10 — 6170 — TL — 51	61	71	—	PB	P
	490	50	2250	229	31800	3240	10 — 6180 — TL — 51	61	71	—	PB	P
25.4	490	50	2360	241	33300	3390	10 — 6180 — TL — 59	61	71	—	PB	P
22.7	200	20	2100	214	22100	2250	☆10 — 6165DC — TL — 66	63	72	—	PB	P
	490	50	2680	273	35400	3610	10 — 6180DB — TL — 66	65	72	—	PB	P
19.2	200	20	2530	258	27700	2820	☆10 — 6170DC — TL — 78	63	72	—	PB	P
	490	50	3170	323	36700	3750	10 — 6180DB — TL — 78	65	72	—	PB	P
17.0	490	50	3570	364	38700	3940	10 — 6180DB — TL — 88	65	72	—	PB	P
14.4	490	50	4060	414	40200	4100	10 — 6180DB — TL — 104	65	72	—	PB	P
	490	50	4220	430	40100	4090	10 — 6185DB — TL — 104	65	72	—	PB	P
12.4	490	50	4060	414	41700	4250	10 — 6180DB — TL — 121	65	72	—	PB	P
	490	50	4810	490	41700	4250	10 — 6185DB — TL — 121	65	72	—	PB	P
	980	100	4910	501	59000	6010	10 — 6190DB — TL — 121	65	72	—	PB	P
10.5	490	50	4060	414	41700	4250	10 — 6180DB — TL — 143	65	72	—	PB	P
	490	50	4900	499	41700	4250	10 — 6185DB — TL — 143	65	72	—	PB	P
	980	100	5800	591	58900	6000	10 — 6190DB — TL — 143	65	72	—	PB	P
9.09	490	50	4920	502	41700	4250	10 — 6185DB — TL — 165	65	72	—	PB	P
	980	100	6380	650	58900	6000	10 — 6190DB — TL — 165	65	72	—	PB	P
	980	100	6700	683	58700	5990	10 — 6195DB — TL — 165	65	72	—	PB	P
7.69	980	100	6380	650	58900	6000	10 — 6190DB — TL — 195	65	72	—	PB	P
	980	100	7300	744	58500	5970	10 — 6195DB — TL — 195	65	72	—	PB	P
6.49	980	100	6380	650	59000	6010	10 — 6190DB — TL — 231	65	72	—	PB	P
	980	100	7960	811	59000	6010	10 — 6195DB — TL — 231	65	72	—	PB	P
	2160	220	9270	945	84100	8570	10 — 6205DB — TL — 231	65	73	—	PB	P
	2650	270	9380	956	104000	10600	10 — 6215DA — TL — 231	65	73	—	PB	P
5.49	980	100	7960	811	59000	6010	10 — 6195DB — TL — 273	65	72	—	PB	P
	2160	220	9270	945	84100	8570	10 — 6205DB — TL — 273	65	73	—	PB	P
	2650	270	10200	1040	104000	10600	10 — 6215DA — TL — 273	65	73	—	PB	P
	2650	270	11100	1130	104000	10600	10 — 6215DB — TL — 273	65	73	—	PB	P
4.70	2160	220	9230	941	84100	8570	10 — 6205DB — TL — 319	65	73	—	PB	P
	2650	270	12700	1290	104000	10600	10 — 6215DA — TL — 319	65	73	—	PB	P
	3430	350	12900	1310	145000	14800	10 — 6225DA — TL — 319	67	73	—	PB	P
3.98	2650	270	12700	1290	104000	10600	10 — 6215DA — TL — 377	65	73	—	PB	P
	4120	420	14100	1440	145000	14800	10 — 6225DA — TL — 377	67	73	—	PB	P
	4410	450	15300	1560	179000	18200	10 — 6235DA — TL — 377	67	73	—	PB	P
3.17	3430	350	16000	1630	145000	14800	10 — 6225DA — TL — 473	67	73	—	PB	P
	4410	450	19200	1960	179000	18200	10 — 6235DA — TL — 473	67	73	—	PB	P
2.68	3430	350	16000	1630	145000	14800	10 — 6225DA — TL — 559	67	73	—	PB	P
	4410	450	20500	2090	179000	18200	10 — 6235DA — TL — 559	67	73	—	PB	P
	5400	550	22700	2320	208000	21200	10 — 6245DA — TL — 559	67	73	—	PB	P
2.31	4410	450	20500	2090	179000	18200	10 — 6235DA — TL — 649	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	10 — 6245DA — TL — 649	67	73	—	PB	P
	8340	850	26300	2680	258000	26300	10 — 6255DA — TL — 649	67	73	—	PB	P
2.05	4410	450	20500	2090	179000	18200	10 — 6235DA — TL — 731	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	10 — 6245DA — TL 731	67	73	—	PB	P
	7360	750	29700	3030	258000	26300	10 — 6255DA — TL 731	67	73	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

7.5kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code — Frame size — Auxiliary item — Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf		CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	100	10	220	22.4	5660	575	10 — 6130 — TL — 6	61	71	—	PB	G
225	100	10	290	29.6	6300	640	10 — 6130 — TL — 8	61	71	—	PB	G
164	100	10	405	41.3	7170	730	10 — 6130 — TL — 11	61	71	—	PB	G
138	100	10	475	48.4	7450	760	10 — 6130 — TL — 13	61	71	—	PB	G
120	100	10	550	56.1	7590	770	10 — 6135 — TL — 15	61	71	—	PB	G
106	100	10	625	63.7	8130	825	10 — 6135 — TL — 17	61	71	—	PB	G
	200	20	625	63.7	14300	1460	10 — 6160 — TL — 17	61	71	—	PB	P
85.7	200	20	770	78.5	15300	1560	10 — 6160 — TL — 21	61	71	—	PB	P
72.0	200	20	920	93.8	16000	1630	10 — 6160 — TL — 25	61	71	—	PB	P
62.1	200	20	1070	109	16600	1700	10 — 6165 — TL — 29	61	71	—	PB	P
51.4	290	30	1290	131	20000	2040	10 — 6170 — TL — 35	61	71	—	PB	P
41.9	290	30	1580	161	21300	2170	10 — 6175 — TL — 43	61	71	—	PB	P
35.3	290	30	1880	192	22200	2260	10 — 6170 — TL — 51	61	71	—	PB	P
	490	50	1880	192	29900	3050	10 — 6180 — TL — 51	61	71	—	PB	P
30.5	490	50	2170	221	31300	3190	10 — 6180 — TL — 59	61	71	—	PB	P
27.3	200	20	1990	203	21900	2230	☆10 — 6165DC — TL — 66	63	72	—	PB	P
	490	50	2230	227	33300	3400	10 — 6180DB — TL — 66	65	72	—	PB	P
23.1	200	20	2350	240	26000	2650	☆10 — 6170DC — TL — 78	63	72	—	PB	P
	490	50	2640	269	34600	3530	10 — 6180DB — TL — 78	65	72	—	PB	P
20.5	490	50	2980	304	36500	3720	10 — 6180DB — TL — 88	65	72	—	PB	P
17.3	490	50	3520	359	37900	3860	10 — 6180DB — TL — 104	65	72	—	PB	P
	490	50	3520	359	37900	3860	10 — 6185DB — TL — 104	65	72	—	PB	P
14.9	490	50	4060	414	40300	4100	10 — 6180DB — TL — 121	65	72	—	PB	P
	490	50	4090	417	40300	4100	10 — 6185DB — TL — 121	65	72	—	PB	P
	980	100	4090	417	56700	5780	10 — 6190DB — TL — 121	65	72	—	PB	P
12.6	490	50	4060	414	41700	4250	10 — 6180DB — TL — 143	65	72	—	PB	P
	490	50	4840	493	41700	4250	10 — 6185DB — TL — 143	65	72	—	PB	P
	980	100	4840	493	58900	6010	10 — 6190DB — TL — 143	65	72	—	PB	P
10.9	490	50	4920	502	41700	4250	10 — 6185DB — TL — 165	65	72	—	PB	P
	980	100	5580	570	59000	6010	10 — 6190DB — TL — 165	65	72	—	PB	P
	980	100	5580	570	59000	6010	10 — 6195DB — TL — 165	65	72	—	PB	P
9.23	980	100	6380	650	58900	6000	10 — 6190DB — TL — 195	65	72	—	PB	P
	980	100	6600	673	58800	5990	10 — 6195DB — TL — 195	65	72	—	PB	P
7.79	980	100	6380	650	59000	6010	10 — 6190DB — TL — 231	65	72	—	PB	P
	980	100	7810	796	59000	6010	10 — 6195DB — TL — 231	65	72	—	PB	P
	2160	220	7810	796	84100	8570	10 — 6205DB — TL — 231	65	73	—	PB	P
	2650	270	7810	796	104000	10600	10 — 6215DA — TL — 231	65	73	—	PB	P
6.59	980	100	7960	811	59000	6010	10 — 6195DB — TL — 273	65	72	—	PB	P
	2160	220	9230	941	84100	8570	10 — 6205DB — TL — 273	65	73	—	PB	P
	2650	270	9230	941	104000	10600	10 — 6215DA — TL — 273	65	73	—	PB	P
	2650	270	9230	941	104000	10600	10 — 6215DB — TL — 273	65	73	—	PB	P
5.64	2160	220	9230	941	84100	8570	10 — 6205DB — TL — 319	65	73	—	PB	P
	2650	270	10800	1100	104000	10600	10 — 6215DA — TL — 319	65	73	—	PB	P
	3430	350	10800	1100	143000	14600	10 — 6225DA — TL — 319	67	73	—	PB	P
4.77	2650	270	12700	1290	104000	10600	10 — 6215DA — TL — 377	65	73	—	PB	P
	4120	420	12800	1300	145000	14800	10 — 6225DA — TL — 377	67	73	—	PB	P
	4410	450	12800	1300	179000	18200	10 — 6235DA — TL — 377	67	73	—	PB	P
3.81	3430	350	16000	1630	145000	14800	10 — 6225DA — TL — 473	67	73	—	PB	P
	4410	450	16000	1630	179000	18200	10 — 6235DA — TL — 473	67	73	—	PB	P
3.22	3430	350	16000	1630	145000	14800	10 — 6225DA — TL — 559	67	73	—	PB	P
	4410	450	18900	1930	179000	18200	10 — 6235DA — TL — 559	67	73	—	PB	P
	5400	550	18900	1930	208000	21200	10 — 6245DA — TL — 559	67	73	—	PB	P
2.77	4410	450	20500	2090	179000	18200	10 — 6235DA — TL — 649	67	73	—	PB	P
	5400	550	22000	2240	208000	21200	10 — 6245DA — TL — 649	67	73	—	PB	P
	8340	850	22000	2240	258000	26300	10 — 6255DA — TL — 649	67	73	—	PB	P
2.46	4410	450	20500	2090	179000	18200	10 — 6235DA — TL — 731	67	73	—	PB	P
	5400	550	24700	2520	208000	21200	10 — 6245DA — TL 731	67	73	—	PB	P
	7360	750	24700	2520	258000	26300	10 — 6255DA — TL 731	67	73	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

7.5kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
1.78	5400	550	25800	2630	208000	21200	10	6245DA	TL	841	67	73	—	PB	P
	8340	850	32500	3310	258000	26300	10	6255DA	TL	841	67	73	—	PB	P
	9810	1000	34100	3480	276000	28100	10	6265DA	TL	841	67	73	—	PB	P
1.50	8040	820	34500	3520	258000	26300	10	6255DA	TL	1003	67	73	—	PB	P
	13700	1400	40700	4150	276000	28100	10	6265DA	TL	1003	67	73	—	PB	P
1.20	7360	750	34500	3520	258000	26300	10	6255DA	TL	1247	67	73	—	PB	P
	10300	1050	46000	4690	276000	28100	10	6265DA	TL	1247	67	73	—	PB	P
	14700	1500	50600	5160	248000	25300	10	6275DA	TL	1247	67	73	—	PB	TP
1.01	20100	2050	44000	4490	276000	28100	10	6265DA	TL	1479	67	73	—	PB	P
	20100	2050	60000	6120	248000	25300	10	6275DA	TL	1479	67	73	—	PB	TP
0.811	14700	1500	68200	6950	248000	25300	10	6275DA	TL	1849	67	73	—	PB	TP
0.726	14700	1500	68200	6950	248000	25300	10	6275DA	TL	2065	67	73	—	PB	TP

11kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
250	100	10	385	39.2	5870	595	☆15	6135	TL	6	61	71	—	PB	G
188	100	10	515	52.5	6520	660	☆15	6135	TL	8	61	71	—	PB	G
136	100	10	665	67.8	7440	755	☆15	6135	TL	11	61	71	—	PB	G
115	200	20	840	85.6	13700	1400	☆15	6160	TL	13	61	71	—	PB	P
100	200	20	970	98.9	14500	1480	☆15	6160	TL	15	61	71	—	PB	P
88.2	200	20	1100	112	14900	1520	☆15	6165	TL	17	61	71	—	PB	P
71.4	200	20	1260	128	16000	1630	☆15	6160	TL	21	61	71	—	PB	P
	290	30	1360	139	18300	1860	☆15	6170	TL	21	61	71	—	PB	P
60.0	290	30	1620	165	18900	1920	☆15	6170	TL	25	61	71	—	PB	P
51.7	290	30	1880	192	19800	2020	☆15	6175	TL	29	61	71	—	PB	P
42.9	290	30	2130	217	21000	2140	☆15	6170	TL	35	61	71	—	PB	P
	490	50	2270	231	28400	2900	☆15	6180	TL	35	61	71	—	PB	P
34.9	980	100	2790	284	42600	4350	15	6190	TL	43	61	71	—	PB	P
29.4	980	100	3300	336	44500	4540	15	6190	TL	51	61	71	—	PB	P
25.4	980	100	3820	389	46500	4740	15	6190	TL	59	61	71	—	PB	P
12.4	490	50.	4810	490	41700	4250	☆15	6185DB	TL	121	65	72	—	PB	P
	2650	270	7200	735	104000	10600	☆15	6215DB	TL	121	65	73	—	PB	P
9.09	980	100	6380	650	58900	6000	☆15	6190DB	TL	165	65	72	—	PB	P
	980	100	7210	735	58600	5970	☆15	6195DB	TL	165	65	72	—	PB	P
	2650	270	9820	1000	104000	10600	☆15	6215DB	TL	165	65	73	—	PB	P
7.69	980	100	7300	744	58500	5960	☆15	6195DB	TL	195	65	72	—	PB	P
	2650	270	11600	1180	104000	10600	☆15	6215DB	TL	195	65	73	—	PB	P
6.49	2160	220	9270	945	84100	8570	☆15	6205DB	TL	231	65	73	—	PB	P
	2650	270	12500	1270	104000	10600	☆15	6215DB	TL	231	65	73	—	PB	P
	3430	350	13800	1410	138000	14100	☆15	6225DB	TL	231	67	73	—	PB	P
5.49	2650	270	10200	1040	104000	10600	☆15	6215DA	TL	273	65	73	—	PB	P
	2650	270	12500	1270	104000	10600	☆15	6215DB	TL	273	65	73	—	PB	P
	3430	350	14800	1510	145000	14800	☆15	6225DB	TL	273	67	73	—	PB	P
	4410	450	16300	1660	179000	18200	☆15	6235DA	TL	273	67	73	—	PB	P
4.70	2650	270	12700	1290	104000	10600	☆15	6215DA	TL	319	65	73	—	PB	P
	3430	350	13900	1420	145000	14800	☆15	6225DA	TL	319	67	73	—	PB	P
	4410	450	18900	1930	179000	18200	☆15	6235DA	TL	319	67	73	—	PB	P
	5400	550	19000	1940	208000	21200	☆15	6245DA	TL	319	67	73	—	PB	P
3.98	4120	420	14100	1440	145000	14800	☆15	6225DA	TL	377	67	73	—	PB	P
	4410	450	18900	1930	179000	18200	☆15	6235DA	TL	377	67	73	—	PB	P
	5400	550	22400	2280	208000	21200	☆15	6245DA	TL	377	67	73	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

7.5kW/60Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
2.14	5400	550	25800	2630	208000	21200	10	6245DA	TL	841	67	73	—	PB	P
	8340	850	28400	2900	258000	26300	10	6255DA	TL	841	67	73	—	PB	P
	9810	1000	28400	2900	276000	28100	10	6265DA	TL	841	67	73	—	PB	P
1.79	8040	820	33900	3460	258000	26300	10	6255DA	TL	1003	67	73	—	PB	P
	13700	1400	33900	3460	276000	28100	10	6265DA	TL	1003	67	73	—	PB	P
1.44	7360	750	34500	3520	258000	26300	10	6255DA	TL	1247	67	73	—	PB	P
	10300	1050	42200	4300	276000	28100	10	6265DA	TL	1247	67	73	—	PB	P
	14700	1500	42200	4300	248000	25300	10	6275DA	TL	1247	67	73	—	PB	TP
1.22	20100	2050	44000	4490	276000	28100	10	6265DA	TL	1479	67	73	—	PB	P
	20100	2050	50000	5100	248000	25300	10	6275DA	TL	1479	67	73	—	PB	TP
0.973	14700	1500	62500	6370	248000	25300	10	6275DA	TL	1849	67	73	—	PB	TP
0.872	14700	1500	68200	6950	248000	25300	10	6275DA	TL	2065	67	73	—	PB	TP

11kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
300	100	10	320	32.6	5550	565	☆15	6135	TL	6	61	71	—	PB	G
225	100	10	430	43.8	6170	625	☆15	6135	TL	8	61	71	—	PB	G
164	100	10	590	60.1	7010	715	☆15	6135	TL	11	61	71	—	PB	G
138	200	20	700	71.4	12900	1320	☆15	6160	TL	13	61	71	—	PB	P
120	200	20	810	82.6	13700	1390	☆15	6160	TL	15	61	71	—	PB	P
106	200	20	915	93.3	14100	1440	☆15	6165	TL	17	61	71	—	PB	P
85.7	200	20	1130	115	15100	1540	☆15	6160	TL	21	61	71	—	PB	P
	290	30	1130	115	17200	1750	☆15	6170	TL	21	61	71	—	PB	P
72.0	290	30	1350	138	17800	1810	☆15	6170	TL	25	61	71	—	PB	P
62.1	290	30	1570	160	18700	1910	☆15	6175	TL	29	61	71	—	PB	P
51.4	290	30	1890	193	19800	2010	☆15	6170	TL	35	61	71	—	PB	P
	490	50	1890	193	26800	2730	☆15	6180	TL	35	61	71	—	PB	P
41.9	980	100	2320	236	40100	4090	15	6190	TL	43	61	71	—	PB	P
35.3	980	100	2750	280	41900	4270	15	6190	TL	51	61	71	—	PB	P
30.5	980	100	3190	325	43800	4460	15	6190	TL	59	61	71	—	PB	P
14.9	490	50	4810	490	40000	4080	☆15	6185DB	TL	121	65	72	—	PB	P
	2650	270	6000	612	102000	10400	☆15	6215DB	TL	121	65	73	—	PB	P
10.9	980	100	6380	650	58900	6000	☆15	6190DB	TL	165	65	72	—	PB	P
	980	100	7210	735	58600	5970	☆15	6195DB	TL	165	65	72	—	PB	P
	2650	270	8190	835	104000	10600	☆15	6215DB	TL	165	65	73	—	PB	P
9.23	980	100	7300	744	58500	5960	☆15	6195DB	TL	195	65	72	—	PB	P
	2650	270	9670	986	104000	10600	☆15	6215DB	TL	195	65	73	—	PB	P
7.79	2160	220	9270	945	84100	8570	☆15	6205DB	TL	231	65	73	—	PB	P
	2650	270	11500	1170	104000	10600	☆15	6215DB	TL	231	65	73	—	PB	P
	3430	350	11500	1170	130000	13300	☆15	6225DB	TL	231	67	73	—	PB	P
6.59	2650	270	10200	1040	104000	10600	☆15	6215DA	TL	273	65	73	—	PB	P
	2650	270	12500	1270	104000	10600	☆15	6215DB	TL	273	65	73	—	PB	P
	3430	350	13500	1380	137000	14000	☆15	6225DB	TL	273	67	73	—	PB	P
	4410	450	13500	1380	171000	17400	☆15	6235DA	TL	273	67	73	—	PB	P
5.64	2650	270	12700	1290	104000	10600	☆15	6215DA	TL	319	65	73	—	PB	P
	3430	350	13900	1420	142000	14500	☆15	6225DA	TL	319	67	73	—	PB	P
	4410	450	15800	1610	178000	18100	☆15	6235DA	TL	319	67	73	—	PB	P
	5400	550	15800	1610	198000	20200	☆15	6245DA	TL	319	67	73	—	PB	P
4.77	4120	420	14100	1440	145000	14800	☆15	6225DA	TL	377	67	73	—	PB	P
	4410	450	18700	1910	179000	18200	☆15	6235DA	TL	377	67	73	—	PB	P
	5400	550	18700	1910	208000	21200	☆15	6245DA	TL	377	67	73	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

11kW/50Hz

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing CNHM CHHM	CNH CHH	CVVM	Lubrication method Shaft dimension H	V
	N·m	kgf·m	N·m	kgf·m	N	kgf									
3.17	4410	450	20500	2090	179000	18200	☆15	6235DA	TL	473	67	73	—	PB	P
	5400	550	25800	2630	208000	21200	☆15	6245DA	TL	473	67	73	—	PB	P
	7360	750	28200	2870	258000	26300	☆15	6255DA	TL	473	67	73	—	PB	P
2.68	5400	550	25800	2630	208000	21200	☆15	6245DA	TL	559	67	73	—	PB	P
	10300	1050	33300	3390	258000	26300	☆15	6255DA	TL	559	67	73	—	PB	P
2.31	5400	550	25800	2630	208000	21200	☆15	6245DA	TL	649	67	73	—	PB	P
	8340	850	34500	3520	258000	26300	☆15	6255DA	TL	649	67	73	—	PB	P
	14200	1450	38600	3930	276000	28100	15	6265DA	TL	649	67	73	—	PB	P
2.05	7360	750	34500	3520	258000	26300	☆15	6255DA	TL	731	67	73	—	PB	P
	10800	1100	43500	4430	276000	28100	15	6265DA	TL	731	67	73	—	PB	P
1.78	8340	850	32500	3310	258000	26300	☆15	6255DA	TL	841	67	73	—	PB	P
	9810	1000	46000	4690	276000	28100	15	6265DA	TL	841	67	73	—	PB	P
	14700	1500	50100	5110	248000	25300	15	6275DA	TL	841	67	73	—	PB	TP
1.50	13700	1400	46000	4690	276000	28100	15	6265DA	TL	1003	67	73	—	PB	P
	14700	1500	59700	6090	248000	25300	15	6275DA	TL	1003	67	73	—	PB	TP
1.20	14700	1500	68200	6950	248000	25300	15	6275DA	TL	1247	67	73	—	PB	TP
1.01	20100	2050	68200	6950	245000	25000	15	6275DA	TL	1479	67	73	—	PB	TP

15kW 50Hz

Motor Speed n_1

4P

1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing CNHM CHHM	CNH CHH	CVVM	Lubrication method Shaft dimension H	V
	N·m	kgf·m	N·m	kgf·m	N	kgf									
188	150	15	645	65.7	10200	1040	☆20	6145	TL	8	61	71	—	PB	G
	150	15	705	71.9	11500	1170	☆20	6160	TL	8	61	71	—	PB	P
136	200	20	970	98.9	12900	1320	☆20	6160	TL	11	61	71	—	PB	P
115	200	20	1150	117	13500	1380	☆20	6165	TL	13	61	71	—	PB	P
100	200	20	1240	126	14300	1460	☆20	6160	TL	15	61	71	—	PB	P
	290	30	1330	136	16100	1640	☆20	6170	TL	15	61	71	—	PB	P
88.2	290	30	1500	153	16700	1710	☆20	6170	TL	17	61	71	—	PB	P
71.4	290	30	1860	190	18000	1840	☆20	6175	TL	21	61	71	—	PB	P
60.0	290	30	2110	215	18600	1900	☆20	6170	TL	25	61	71	—	PB	P
51.7	490	50	2320	236	26500	2700	☆20	6180	TL	29	61	71	—	PB	P
42.9	980	100	3090	315	39400	4020	20	6190	TL	35	61	71	—	PB	P
34.9	980	100	3800	387	42400	4320	20	6190	TL	43	61	71	—	PB	P
12.4	2650	270	9590	978	104000	10600	☆20	6215DB	TL	121	65	73	—	PB	P
	3430	350	9820	1000	114000	11600	☆20	6225DB	TL	121	67	73	—	PB	P
9.09	2650	270	12200	1240	104000	10600	☆20	6215DB	TL	165	65	73	—	PB	P
	3430	350	13400	1370	123000	12500	☆20	6225DB	TL	165	67	73	—	PB	P
7.69	2650	270	12200	1240	104000	10600	☆20	6215DB	TL	195	65	73	—	PB	P
	3430	350	14500	1480	129000	13100	☆20	6225DB	TL	195	67	73	—	PB	P
	4410	450	15800	1610	160000	16300	☆20	6235DB	TL	195	67	73	—	PB	P
6.49	3430	350	14800	1510	137000	14000	☆20	6225DB	TL	231	67	73	—	PB	P
	4410	450	18300	1870	171000	17400	☆20	6235DA	TL	231	67	73	—	PB	P
5.49	4410	450	18500	1890	179000	18200	☆20	6235DA	TL	273	67	73	—	PB	P
	5400	550	22200	2260	200000	20400	☆20	6245DB	TL	273	67	73	—	PB	P
4.70	4410	450	18900	1930	179000	18200	☆20	6235DA	TL	319	67	73	—	PB	P
	5400	550	25300	2580	208000	21200	☆20	6245DA	TL	319	67	73	—	PB	P
	7360	750	25900	2640	257000	26200	☆20	6255DA	TL	319	67	73	—	PB	P
3.98	5400	550	25600	2610	208000	21200	☆20	6245DA	TL	377	67	73	—	PB	P
	7360	750	30600	3120	258000	26300	☆20	6255DA	TL	377	67	73	—	PB	P
3.17	7360	750	34500	3520	258000	26300	☆20	6255DA	TL	473	67	73	—	PB	P
	10300	1050	38400	3920	276000	28100	20	6265DA	TL	473	67	73	—	PB	P
2.68	10300	1050	34500	3520	258000	26300	☆20	6255DA	TL	559	67	73	—	PB	P
	14700	1500	45400	4630	276000	28100	20	6265DA	TL	559	67	73	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
3.81	4410	450	20500	2090	179000	18200	☆15	6235DA	TL	473	67	73	—	PB	P
	5400	550	23500	2400	208000	21200	☆15	6245DA	TL	473	67	73	—	PB	P
	7360	750	23500	2400	258000	26300	☆15	6255DA	TL	473	67	73	—	PB	P
3.22	5400	550	25800	2630	208000	21200	☆15	6245DA	TL	559	67	73	—	PB	P
	10300	1050	27700	2820	258000	26300	☆15	6255DA	TL	559	67	73	—	PB	P
2.77	5400	550	25800	2630	208000	21200	☆15	6245DA	TL	649	67	73	—	PB	P
	8340	850	32200	3280	258000	26300	☆15	6255DA	TL	649	67	73	—	PB	P
	14200	1450	32200	3280	276000	28100	15	6265DA	TL	649	67	73	—	PB	P
2.46	7360	750	34500	3520	258000	26300	☆15	6255DA	TL	731	67	73	—	PB	P
	10800	1100	36300	3700	276000	28100	15	6265DA	TL	731	67	73	—	PB	P
2.14	8340	850	32500	3310	258000	26300	☆15	6255DA	TL	841	67	73	—	PB	P
	9810	1000	41700	4260	276000	28100	15	6265DA	TL	841	67	73	—	PB	P
	14700	1500	41700	4260	248000	25300	15	6275DA	TL	841	67	73	—	PB	TP
1.79	13700	1400	46000	4690	276000	28100	15	6265DA	TL	1003	67	73	—	PB	P
	14700	1500	49800	5080	248000	25300	15	6275DA	TL	1003	67	73	—	PB	TP
1.44	14700	1500	61900	6310	248000	25300	15	6275DA	TL	1247	67	73	—	PB	TP
1.22	20100	2050	68200	6950	245000	25000	15	6275DA	TL	1479	67	73	—	PB	TP

15kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
225	150	15	585	59.6	9670	985	☆20	6145	TL	8	61	71	—	PB	G
	150	15	585	59.6	10800	1100	☆20	6160	TL	8	61	71	—	PB	P
164	200	20	810	82.6	12200	1250	☆20	6160	TL	11	61	71	—	PB	P
138	200	20	955	97.3	12800	1300	☆20	6165	TL	13	61	71	—	PB	P
120	200	20	1100	112	13500	1380	☆20	6160	TL	15	61	71	—	PB	P
	290	30	1100	112	13500	1380	☆20	6170	TL	15	61	71	—	PB	P
106	290	30	1250	127	15800	1610	☆20	6170	TL	17	61	71	—	PB	P
85.7	290	30	1550	158	17000	1730	☆20	6175	TL	21	61	71	—	PB	P
72.0	290	30	1840	188	17600	1790	☆20	6170	TL	25	61	71	—	PB	P
62.1	490	50	2130	217	24900	2540	☆20	6180	TL	29	61	71	—	PB	P
51.4	980	100	2580	263	37100	3790	20	6190	TL	35	61	71	—	PB	P
41.9	980	100	3170	323	39900	4070	20	6190	TL	43	61	71	—	PB	P
14.9	2650	270	8190	835	101000	10300	☆20	6215DB	TL	121	65	73	—	PB	P
	3430	350	8190	835	108000	11000	☆20	6225DB	TL	121	67	73	—	PB	P
10.9	2650	270	11200	1140	104000	10600	☆20	6215DB	TL	165	65	73	—	PB	P
	3430	350	11200	1140	116000	11800	☆20	6225DB	TL	165	67	73	—	PB	P
9.23	2650	270	12200	1240	104000	10600	☆20	6215DB	TL	195	65	73	—	PB	P
	3430	350	13200	1350	122000	12400	☆20	6225DB	TL	195	67	73	—	PB	P
	4410	450	13200	1350	152000	15500	☆20	6235DB	TL	195	67	73	—	PB	P
7.79	3430	350	14800	1510	130000	13300	☆20	6225DB	TL	231	67	73	—	PB	P
	4410	450	15600	1600	162000	16500	☆20	6235DA	TL	231	67	73	—	PB	P
6.59	4410	450	18500	1890	170000	17300	☆20	6235DA	TL	273	67	73	—	PB	P
	5400	550	18500	1890	189000	19300	☆20	6245DB	TL	273	67	73	—	PB	P
5.64	4410	450	18900	1930	177000	18000	☆20	6235DA	TL	319	67	73	—	PB	P
	5400	550	21600	2200	197000	20100	☆20	6245DA	TL	319	67	73	—	PB	P
	7360	750	21600	2200	243000	24800	☆20	6255DA	TL	319	67	73	—	PB	P
4.77	5400	550	25500	2600	207000	21100	☆20	6245DA	TL	377	67	73	—	PB	P
	7360	750	25500	2600	255000	26000	☆20	6255DA	TL	377	67	73	—	PB	P
3.81	7360	750	32000	3260	258000	26300	☆20	6255DA	TL	473	67	73	—	PB	P
	10300	1050	32000	3260	276000	28100	20	6265DA	TL	473	67	73	—	PB	P
3.22	10300	1050	34500	3520	258000	26300	☆20	6255DA	TL	559	67	73	—	PB	P
	14700	1500	37800	3850	276000	28100	20	6265DA	TL	559	67	73	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication

5. Select Reducer or gearmotor model using this table.

6. For Reducer model nomenclature, do not use capacity code.

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
2.31	14200	1450	46000	4690	276000	28100	20	6265DA	TL	649	67	73	—	PB	P
	14700	1500	52700	5370	248000	25300	20	6275DA	TL	649	67	73	—	PB	TP
2.05	10800	1100	46000	4690	276000	28100	20	6265DA	TL	731	67	73	—	PB	P
	14700	1500	59300	6040	248000	25300	20	6275DA	TL	731	67	73	—	PB	TP
1.78	9810	1000	46000	4690	276000	28100	20	6265DA	TL	841	67	73	—	PB	P
	14700	1500	68200	6950	248000	25300	20	6275DA	TL	841	67	73	—	PB	TP
1.50	14700	1500	68200	6950	248000	25300	20	6275DA	TL	1003	67	73	—	PB	TP

18.5kW 50Hz

Motor Speed n_1: 4P 1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
136	200	20	1200	122	12800	1300	☆25	6160	TL	11	61	71	—	PB	P
115	290	30	1420	145	15200	1550	☆25	6170	TL	13	61	71	—	PB	P
100	290	30	1630	166	15900	1620	☆25	6170	TL	15	61	71	—	PB	P
88.2	290	30	1850	189	16500	1680	☆25	6175	TL	17	61	71	—	PB	P
71.4	290	30	2090	213	17900	1820	☆25	6175	TL	21	61	71	—	PB	P
	490	50	2290	233	24200	2470	☆25	6180	TL	21	61	71	—	PB	P
60.0	980	100	2720	277	35500	3610	25	6190	TL	25	61	71	—	PB	P
51.7	980	100	3160	322	37200	3800	25	6190	TL	29	61	71	—	PB	P
42.9	980	100	3810	388	39200	4000	25	6190	TL	35	61	71	—	PB	P
12.4	2650	270	9590	978	104000	10600	☆25	6215DB	TL	121	65	73	—	PB	P
	3430	350	12100	1230	113000	11500	☆25	6225DB	TL	121	67	73	—	PB	P
9.09	3430	350	14500	1480	122000	12500	☆25	6225DB	TL	165	67	73	—	PB	P
	4410	450	16500	1680	152000	15500	☆25	6235DB	TL	165	67	73	—	PB	P
7.69	4410	450	19500	1990	159000	16200	☆25	6235DB	TL	195	67	73	—	PB	P
6.49	4410	450	18300	1870	171000	17500	☆25	6235DA	TL	231	67	73	—	PB	P
	5400	550	23100	2350	190000	19300	☆25	6245DB	TL	231	67	73	—	PB	P
5.49	5400	550	25800	2630	199000	20300	☆25	6245DB	TL	273	67	73	—	PB	P
4.70	5400	550	25300	2580	208000	21200	☆25	6245DA	TL	319	67	73	—	PB	P
	7360	750	31900	3250	256000	26100	☆25	6255DA	TL	319	67	73	—	PB	P
3.98	7360	750	32500	3310	258000	26300	☆25	6255DA	TL	377	67	73	—	PB	P
	9810	1000	37700	3840	276000	28100	25	6265DA	TL	377	67	73	—	PB	P
3.17	10300	1050	46000	4690	276000	28100	25	6265DA	TL	473	67	73	—	PB	P
2.68	14700	1500	46000	4690	276000	28100	25	6265DA	TL	559	67	73	—	PB	P
	14700	1500	56000	5710	248000	25300	25	6275DA	TL	559	67	73	—	PB	TP
2.31	14700	1500	65000	6630	248000	25300	25	6275DA	TL	649	67	73	—	PB	TP
2.05	14700	1500	68200	6950	248000	25300	25	6275DA	TL	731	67	73	—	PB	TP
1.78	14700	1500	68200	6950	248000	25300	25	6275DA	TL	841	67	73	—	PB	TP

22kW 50Hz

Motor Speed n_1: 4P 1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
136	290	30	1430	146	14500	1480	☆30	6175	TL	11	61	71	—	PB	P
115	290	30	1680	171	15100	1540	☆30	6175	TL	13	61	71	—	PB	P
100	290	30	1940	198	15700	1600	☆30	6175	TL	15	61	71	—	PB	P
88.2	290	30	2070	211	16400	1670	☆30	6175	TL	17	61	71	—	PB	P
	490	50	2200	224	22500	2290	☆30	6180	TL	17	61	71	—	PB	P
71.4	980	100	2720	277	33800	3450	30	6190	TL	21	61	71	—	PB	P

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
2.77	14200	1450	43900	4480	276000	28100	20	6265DA	TL	649	67	73	—	PB	P
	14700	1500	43900	4480	248000	25300	20	6275DA	TL	649	67	73	—	PB	TP
2.46	10800	1100	46000	4690	276000	28100	20	6265DA	TL	731	67	73	—	PB	P
	14700	1500	49400	5040	248000	25300	20	6275DA	TL	731	67	73	—	PB	TP
2.14	9810	1000	46000	4690	276000	28100	20	6265DA	TL	841	67	73	—	PB	P
	14700	1500	56900	5800	248000	25300	20	6275DA	TL	841	67	73	—	PB	TP
1.79	14700	1500	67800	6910	248000	25300	20	6275DA	TL	1003	67	73	—	PB	TP

18.5kW 60Hz

Motor Speed n_1: 4P 1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
164	200	20	995	101	12100	1230	☆25	6160	TL	11	61	71	—	PB	P
138	290	30	1180	120	14400	1460	☆25	6170	TL	13	61	71	—	PB	P
120	290	30	1360	139	15100	1530	☆25	6170	TL	15	61	71	—	PB	P
106	290	30	1540	157	15600	1590	☆25	6175	TL	17	61	71	—	PB	P
85.7	290	30	1910	195	16800	1720	☆25	6175	TL	21	61	71	—	PB	P
	490	50	1910	195	22800	2330	☆25	6180	TL	21	61	71	—	PB	P
72.0	980	100	2270	231	33400	3400	25	6190	TL	25	61	71	—	PB	P
62.1	980	100	2630	268	35100	3570	25	6190	TL	29	61	71	—	PB	P
51.4	980	100	3180	324	37000	3770	25	6190	TL	35	61	71	—	PB	P
14.9	2650	270	9590	978	101000	10300	☆25	6215DB	TL	121	65	73	—	PB	P
	3430	350	10100	1030	107000	10900	☆25	6225DB	TL	121	67	73	—	PB	P
10.9	3430	350	13800	1410	116000	11800	☆25	6225DB	TL	165	67	73	—	PB	P
	4410	450	13800	1410	144000	14700	☆25	6235DB	TL	165	67	73	—	PB	P
9.23	4410	450	16300	1660	151000	15400	☆25	6235DB	TL	195	67	73	—	PB	P
7.79	4410	450	18300	1870	162000	16500	☆25	6235DA	TL	231	67	73	—	PB	P
	5400	550	19300	1970	180000	18300	☆25	6245DB	TL	231	67	73	—	PB	P
6.59	5400	550	22800	2320	189000	19200	☆25	6245DB	TL	273	67	73	—	PB	P
5.64	5400	550	25300	2580	197000	20000	☆25	6245DA	TL	319	67	73	—	PB	P
	7360	750	26600	2710	242000	24700	☆25	6255DA	TL	319	67	73	—	PB	P
4.77	7360	750	31500	3210	254000	25900	☆25	6255DA	TL	377	67	73	—	PB	P
	9810	1000	31500	3210	276000	28100	25	6265DA	TL	377	67	73	—	PB	P
3.81	10300	1050	39500	4030	276000	28100	25	6265DA	TL	473	67	73	—	PB	P
3.22	14700	1500	46000	4690	276000	28100	25	6265DA	TL	559	67	73	—	PB	P
	14700	1500	46600	4750	248000	25300	25	6275DA	TL	559	67	73	—	PB	TP
2.77	14700	1500	54100	5510	248000	25300	25	6275DA	TL	649	67	73	—	PB	TP
2.46	14700	1500	61000	6220	248000	25300	25	6275DA	TL	731	67	73	—	PB	TP
2.14	14700	1500	68200	6950	248000	25300	25	6275DA	TL	841	67	73	—	PB	TP

22kW 60Hz

Motor Speed n_1: 4P 1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
164	290	30	1190	121	13700	1400	☆30	6175	TL	11	61	71	—	PB	P
138	290	30	1400	143	14200	1450	☆30	6175	TL	13	61	71	—	PB	P
120	290	30	1620	165	14900	1520	☆30	6175	TL	15	61	71	—	PB	P
106	290	30	1840	188	15500	1580	☆30	6175	TL	17	61	71	—	PB	P
	490	50	1840	188	21200	2160	☆30	6180	TL	17	61	71	—	PB	P
85.7	980	100	2270	231	31800	3240	30	6190	TL	21	61	71	—	PB	P

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

22kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
60.0	980	100	3240	330	35300	3600	30	6190	TL	25	61	71	—	PB	P
51.7	980	100	3760	383	37100	3780	30	6190	TL	29	61	71	—	PB	P
12.4	3430	350	13500	1380	113000	11500	☆30	6225DB	TL	121	67	73	—	PB	P
	4410	450	14400	1470	142000	14400	☆30	6235DB	TL	121	67	73	—	PB	P
9.09	4410	450	19600	2000	151000	15400	☆30	6235DB	TL	165	67	73	—	PB	P
7.69	4410	450	19600	2000	159000	16200	☆30	6235DB	TL	195	67	73	—	PB	P
	5400	550	23200	2360	177000	18100	☆30	6245DB	TL	195	67	73	—	PB	P
6.49	5400	550	25800	2630	189000	19300	☆30	6245DB	TL	231	67	73	—	PB	P
	7360	750	27500	2800	231000	23600	☆30	6255DA	TL	231	67	73	—	PB	P
5.49	5400	550	25800	2630	199000	20300	☆30	6245DB	TL	273	67	73	—	PB	P
	9810	1000	32500	3310	276000	28100	30	6265DA	TL	273	67	73	—	PB	P
4.70	7360	750	32500	3310	255000	26000	☆30	6255DA	TL	319	67	73	—	PB	P
	9810	1000	38000	3880	276000	28100	30	6265DA	TL	319	67	73	—	PB	P
3.98	9810	1000	44900	4580	276000	28100	30	6265DA	TL	377	67	73	—	PB	P
3.17	10300	1050	46000	4690	276000	28100	30	6265DA	TL	473	67	73	—	PB	P
	14700	1500	56300	5740	248000	25300	30	6275DA	TL	473	67	73	—	PB	TP
2.68	14700	1500	66600	6790	248000	25300	30	6275DA	TL	559	67	73	—	PB	TP
2.31	14700	1500	68200	6950	248000	25300	30	6275DA	TL	649	67	73	—	PB	TP
2.05	14700	1500	68200	6950	248000	25300	30	6275DA	TL	731	67	73	—	PB	TP

30kW 50Hz

Motor Speed n_1
4P
1500r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
											CNHM CHHM	CNH CHH	CVVM	Shaft dimension	
	N·m	kgf·m	N·m	kgf·m	N	kgf								H	V
136	290	30	1940	198	14200	1450	☆40	6175	TL	11	61	71	—	PB	P
115	490	50	2230	227	20000	2040	☆40	6185	TL	13	61	71	—	PB	P
	980	100	2300	234	28200	2880	40	6195	TL	13	61	71	—	PB	P
100	980	100	2650	270	29600	3020	40	6195	TL	15	61	71	—	PB	P
88.2	980	100	3000	306	31200	3180	40	6195	TL	17	61	71	—	PB	P
12.4	3430	350	13500	1380	113000	11500	☆40	6225DB	TL	121	67	73	—	PB	P
	4410	450	17500	1780	141000	14400	☆40	6235DB	TL	121	67	73	—	PB	P
	7360	750	19600	2000	193000	19600	40	6255DB	TL	121	67	73	—	PB	P
9.09	4410	450	19600	2000	151000	15400	☆40	6235DB	TL	165	67	73	—	PB	P
	5400	550	23800	2430	168000	17200	☆40	6245DB	TL	165	67	73	—	PB	P
	7360	750	26800	2730	206000	21000	40	6255DB	TL	165	67	73	—	PB	P
7.69	5400	550	24100	2460	177000	18100	☆40	6245DB	TL	195	67	73	—	PB	P
	7360	750	31200	3180	216000	22100	40	6255DB	TL	195	67	73	—	PB	P
6.49	5400	550	25800	2630	189000	19300	☆40	6245DB	TL	231	67	73	—	PB	P
	7360	750	30400	3100	231000	23500	☆40	6255DA	TL	231	67	73	—	PB	P
	9810	1000	37500	3820	276000	28100	40	6265DA	TL	231	67	73	—	PB	P
4.70	9810	1000	46000	4690	276000	28100	40	6265DA	TL	319	67	73	—	PB	P
	14700	1500	51800	5290	248000	25300	40	6275DA	TL	319	67	73	—	PB	TP
3.98	9810	1000	46000	4690	276000	28100	40	6265DA	TL	377	67	73	—	PB	P
	14700	1500	61200	6240	248000	25300	40	6275DA	TL	377	67	73	—	PB	TP
3.17	14700	1500	68200	6950	248000	25300	40	6275DA	TL	473	67	73	—	PB	TP

Notes : 1. Motor slippage may affect n_1 and n_2.
2. Allowable Radial Load Pro is at the slow speed shaft midpoint. When the radial load is beyond the slow speed shaft midpoint or when checking the thrust load, refer to CYCLO® DRIVE, catalog.
3. Models marked with ☆ are manufactured with the Cyclo® Reducer and motor separately mounted on a common base plate (horizontal shaft direction) or with adaptor (vertical shaft direction).

22kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
72.0	980	100	2700	275	33300	3390	30	6190	TL	25	61	71	—	PB	P
62.1	980	100	3130	319	34900	3560	30	6190	TL	29	61	71	—	PB	P
14.9	3430	350	12000	1230	107000	10900	☆30	6225DB	TL	121	67	73	—	PB	P
	4410	450	12000	1230	134000	13700	☆30	6235DB	TL	121	67	73	—	PB	P
10.9	4410	450	16400	1670	143000	14600	☆30	6235DB	TL	165	67	73	—	PB	P
9.23	4410	450	19300	1970	150000	15300	☆30	6235DB	TL	195	67	73	—	PB	P
	5400	550	19300	1970	168000	17100	☆30	6245DB	TL	195	67	73	—	PB	P
7.79	5400	550	22900	2330	179000	18300	☆30	6245DB	TL	231	67	73	—	PB	P
	7360	750	22900	2330	219000	22300	☆30	6255DA	TL	231	67	73	—	PB	P
6.59	5400	550	25800	2630	188000	19200	☆30	6245DB	TL	273	67	73	—	PB	P
	9810	1000	27100	2770	276000	28100	30	6265DA	TL	273	67	73	—	PB	P
5.64	7360	750	31600	3220	241000	24600	☆30	6255DA	TL	319	67	73	—	PB	P
	9810	1000	31600	3220	276000	28100	30	6265DA	TL	319	67	73	—	PB	P
4.77	9810	1000	37400	3820	276000	28100	30	6265DA	TL	377	67	73	—	PB	P
3.81	10300	1050	46000	4690	276000	28100	30	6265DA	TL	473	67	73	—	PB	P
	14700	1500	46900	4780	248000	25300	30	6275DA	TL	473	67	73	—	PB	TP
3.22	14700	1500	55500	5660	248000	25300	30	6275DA	TL	559	67	73	—	PB	TP
2.77	14700	1500	64400	6560	248000	25300	30	6275DA	TL	649	67	73	—	PB	TP
2.46	14700	1500	68200	6950	248000	25300	30	6275DA	TL	731	67	73	—	PB	TP

30kW 60Hz

Motor Speed n_1
4P
1800r/min

Output Speed n_2 r/min	Min. preset torque		Max. preset torque		Allowable slow speed shaft radial load Pro		Capacity code	Frame size	Auxiliary item	Reduction ratio	Page of dimensional drawing			Lubrication method	
	N·m	kgf·m	N·m	kgf·m	N	kgf					CNHM CHHM	CNH CHH	CVVM	Shaft dimension H	Shaft dimension V
164	290	30	1620	165	13500	1370	☆40	6175	TL	11	61	71	—	PB	P
138	490	50	1910	195	18900	1920	☆40	6185	TL	13	61	71	—	PB	P
	980	100	1910	195	26600	2710	40	6195	TL	13	61	71	—	PB	P
120	980	100	2210	225	27900	2840	40	6195	TL	15	61	71	—	PB	P
106	980	100	2500	255	29400	3000	40	6195	TL	17	61	71	—	PB	P
14.9	3430	350	13500	1380	106000	10800	☆40	6225DB	TL	121	67	73	—	PB	P
	4410	450	16400	1670	133000	13600	☆40	6235DB	TL	121	67	73	—	PB	P
	7360	750	16400	1670	182000	18600	40	6255DB	TL	121	67	73	—	PB	P
10.9	4410	450	19600	2000	143000	14500	☆40	6235DB	TL	165	67	73	—	PB	P
	5400	550	22300	2270	159000	16200	☆40	6245DB	TL	165	67	73	—	PB	P
	7360	750	22300	2270	196000	19900	40	6255DB	TL	165	67	73	—	PB	P
9.23	5400	550	24100	2460	167000	17000	☆40	6245DB	TL	195	67	73	—	PB	P
	7360	750	26400	2690	205000	20900	40	6255DB	TL	195	67	73	—	PB	P
7.79	5400	550	25800	2630	179000	18200	☆40	6245DB	TL	231	67	73	—	PB	P
	7360	750	30400	3100	218000	22200	☆40	6255DA	TL	231	67	73	—	PB	P
	9810	1000	31300	3190	267000	27200	40	6265DA	TL	231	67	73	—	PB	P
5.64	9810	1000	43200	4400	276000	28100	40	6265DA	TL	319	67	73	—	PB	P
	14700	1500	43200	4400	248000	25300	40	6275DA	TL	319	67	73	—	PB	TP
4.77	9810	1000	46000	4690	276000	28100	40	6265DA	TL	377	67	73	—	PB	P
	14700	1500	51000	5200	248000	25300	40	6275DA	TL	377	67	73	—	PB	TP
3.81	14700	1500	64000	6520	248000	25300	40	6275DA	TL	473	67	73	—	PB	TP

Notes : 4. Lubrication Method-MF: Maintenance-free grease lubrication G: Grease lubrication PB: Oil bath lubrication P: Forced oil lubrication
TP: Positive displacement pump lubrication
5. Select Reducer or gearmotor model using this table.
6. For Reducer model nomenclature, do not use capacity code.

9. DIMENSIONAL DRAWINGS

9·1 CNHM, CHHM Type (Horizontal, Foot Mounting Gearmotor Type) Single Reduction

Fig. 13 CNHM-6100～6125-TL

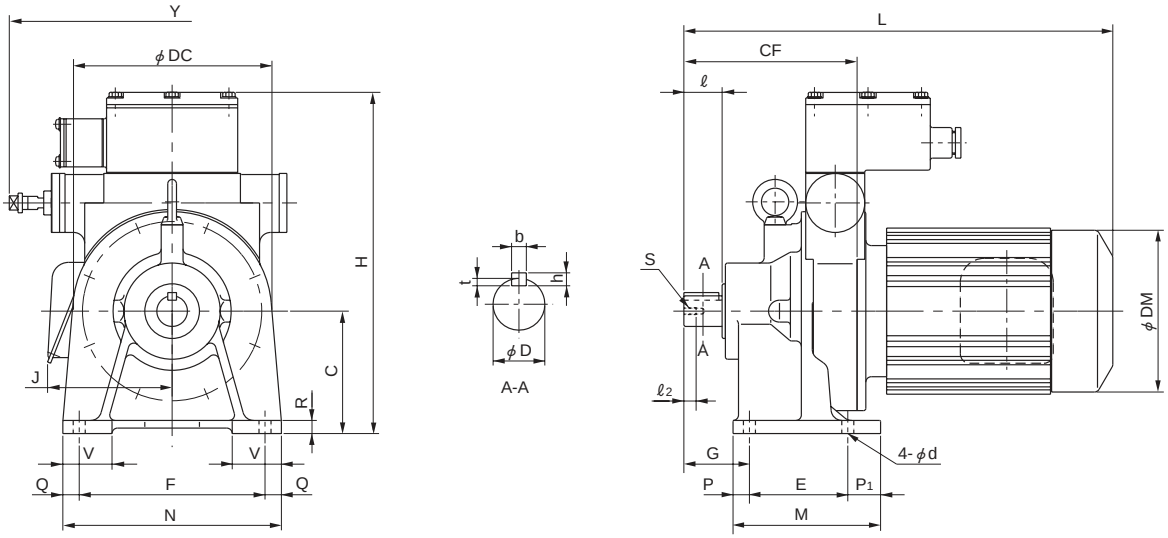


Fig. 14 CHHM-6130～6195-TL

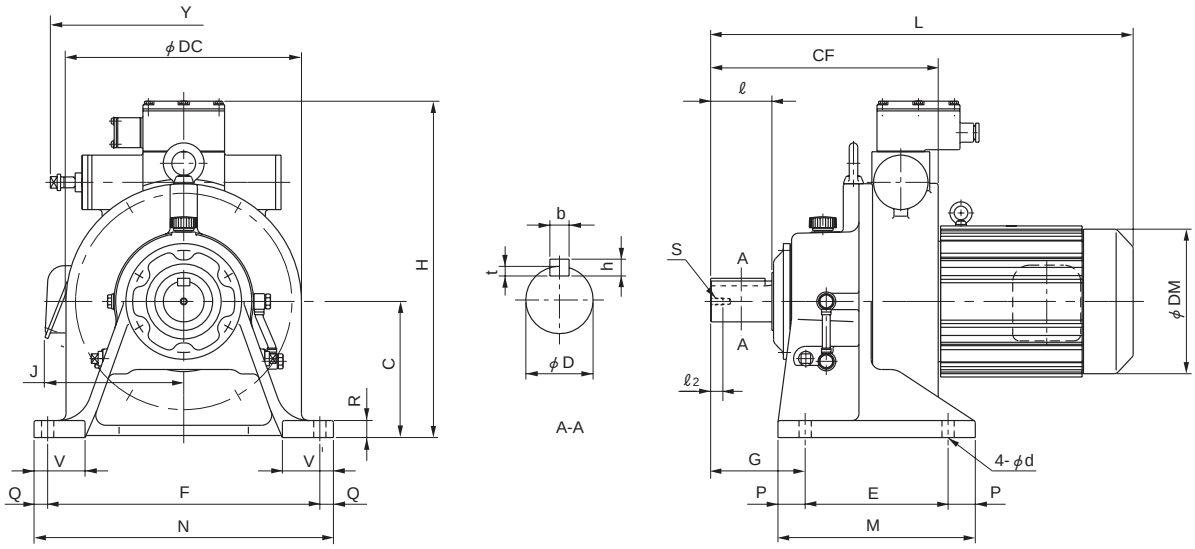
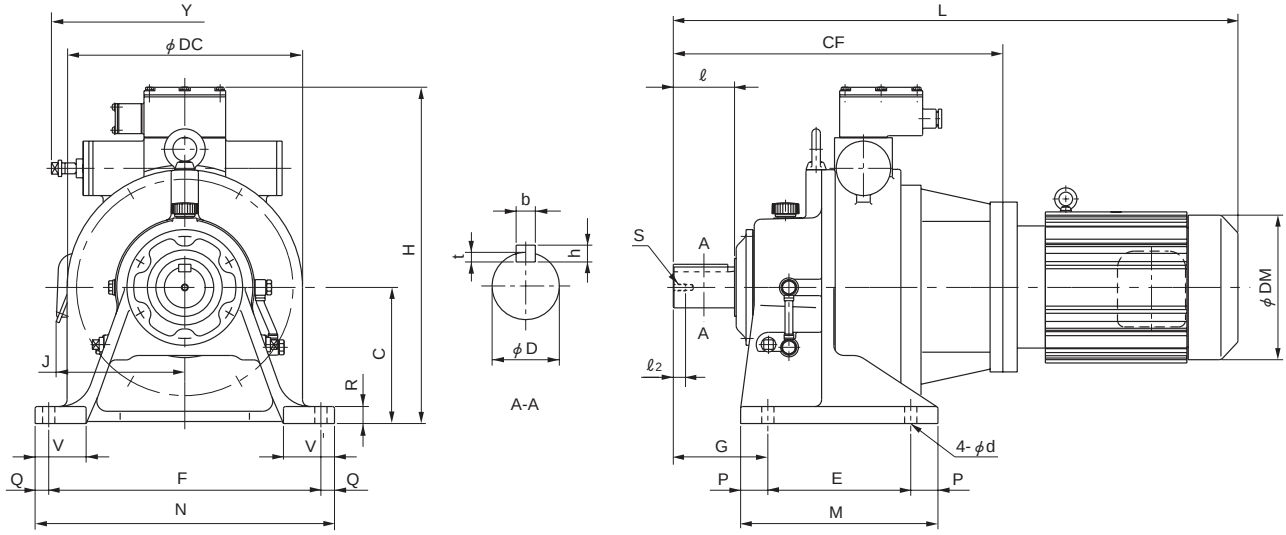


Fig. 15 CHHJM-6135～6185-TL



• Motor :
(1) Totally enclosed, fan-cooled, squirrel cage, 3-phase induction motor. 200V, 50/60Hz, 220V, 60Hz, continuous rating ; 0.2～0.4kW, class E insulation ; 0.75～22kW, class B insulation ; 30kW, class F insulation.
(2) Dimensions DM, J, and L may differ slightly from the figures given in the table. Check with Sumitomo if dimensional restrictions apply.
• Dimension D of the slow speed shaft : The dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in this dimensional drawing are subject to change without notice.

Fig	Model	Motor kW	Motor r/min	CF	C	DC	E	F	G	M	N	H	Y	P (P1)	Q	R	V	d	Slow speed shaft D	b	h	t	ℓ	S	ℓ2	DM	J Indoor	J Outdoor	L	Mass Indoor	Mass Outdoor
13	CNHM05-6100,6105-TL	0.4	1500 / 1800 (50Hz / 60Hz)	159	112	182	90	170	60	135	200	312	298	15 (30)	15	12	45	11	28	8	7	4	35	M8	20	124	85	105	352	31	33
13	CNHM08-6100,6105-TL	0.55																								148	114	136	393	35	35
13	CNHM 1-6100,6105-TL	0.75																								148	114	136	393	35	35
13	CNHM1H-6100,6105-TL	1.1																								160	119	141	426	39	39
13	CNHM 2-6100,6105-TL	1.5																								160	119	141	426	39	39
13	CNHM 3-6100,6105TL	2.2																								173	126	148	446	43	43
13	CNHM 1-6125-TL	0.75		191	140	240	140	240	82	180	280	361	298	20	20	15	55	14	38	10	8	5	55	M8	20	148	114	136	423	49	49
13	CNHM1H-6120-TL	1.1																								160	119	141	456	52	52
13	CNHM 2-6120-TL	1.5																								160	119	141	456	52	52
13	CNHM 3-6120-TL	2.2																								173	126	148	476	56	56
13	CNHM 4-6120-TL	3																								212	147	183	499	65	67
13	CNHM 5-6120-TL	3.7																								212	147	183	499	65	67
13	CNHM 8-6125-TL	5.5																								212	147	183	543	72	73
14	CHHM 1-6130-TL	0.75		248	160	265	170	320	100	220	360	411	332	25	20	22	65	18	50	14	9	5.5	70	M10	18	148	114	136	477	76	76
14	CHHM1H-6130-TL	1.1																								160	119	141	510	83	83
14	CHHM 2-6130,6135-TL	1.5																								160	119	141	510	83	83
14	CHHM 3-6130,6135-TL	2.2																								173	126	148	530	86	87
14	CHHM 4-6130,6135-TL	3																								212	147	183	558	94	96
14	CHHM 5-6130,6135-TL	3.7																								212	147	183	558	94	96
14	CHHM 8-6130,6135-TL	5.5																								212	147	183	597	101	105
14	CHHM10-6130,6135-TL	7.5																								251	188	222	620	115	119
15	CHHJM15-6135-TL	11		434																						251	188	222	914	171	172
15	CHHJM20-6145-TL	15		454	160	265	170	320	120	220	360	411	332	25	20	22	65	18	50	14	9	5.5	90	M10	18	251	188	222	999	227	229
14	CHHM 3-6160-TL	2.2		335	200	346	210	400	139	290	440	494	392	40	20	25	75	18	60	18	11	7	90	M10	18	173	126	148	598	130	130
14	CHHM 4-6160-TL	3																								212	147	183	621	140	142
14	CHHM 5-6160-TL	3.7																								212	147	183	621	140	142
14	CHHM 8-6160-TL	5.5																								212	147	183	665	147	151
14	CHHM10-6160,6165-TL	7.5																								251	188	222	693	161	165
15	CHHJM15-6160,6165-TL	11		527																						251	188	222	971	229	233
15	CHHJM20-6160,6165-TL	15																								324	232	270	1056	273	295
15	CHHJM25-6160-TL	18.5																								394	297	355	1152	376	384
14	CHHM 8-6170,6175-TL	5.5		385	250	386	275	440	125	335	490	598	466	30	25	30	64	22	70	20	12	7.5	90	M12	24	212	147	183	724	215	219
14	CHHM10-6170,6175-TL	7.5																								251	188	222	742	230	233
15	CHHJM15-6170,6175-TL	11		591																						251	188	222	1040	305	309
15	CHHJM20-6170,6175-TL	15																								324	232	270	1120	366	370
15	CHHJM25-6170,6175-TL	18.5																								394	297	355	1216	451	459
15	CHHJM30-6175-TL	22																								394	297	355	1216	451	459
15	CHHJM40-6175-TL	30																								394	297	355	1216	466	474
14	CHHM10-6180-TL	7.5		431	265	415	320	480	145	380	530	633	466	30	25	30	90	22	80	22	14	9	110	M12	24	251	188	222	779	271	274
15	CHHJM20-6180-TL	15		640																						324	232	270	1170	417	421
15	CHHJM40-6185-TL	30																								394	297	355	1266	519	527
14	CHHM15-6190-TL	11		500	335	546	380	620	170	440	680	805	626	30	30	35	110	26	95	25	14	9	135	M20	34	251	188	222	930	487	491
14	CHHM20-6190-TL	15																								324	232	270	1030	555	559
14	CHHM25-6190-TL	18.5																								394	297	355	1125	627	637
14	CHHM30-6190-TL	22																								394	297	355	1125	627	637
14	CHHM40-6195-TL	30																								394	297	355	1125	642	652
Fig	Model	Motor kW	Motor r/min	CF	C	DC	E	F	G	M	N	H	Y	P (P1)	Q	R	V	d	Slow speed shaft D	b	h	t	ℓ	S	ℓ2	DM	J Indoor	J Outdoor	L	Mass Indoor	Mass Outdoor

9·2 CHHM Type (Horizontal, Foot Mounting Gearmotor) Double Reduction

Fig. 16 CHHM-6130DC～6195DB-TL

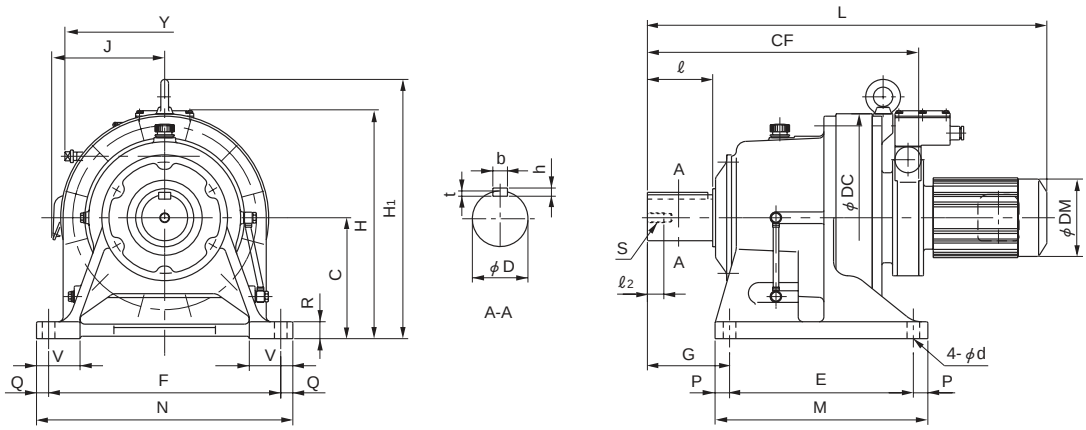
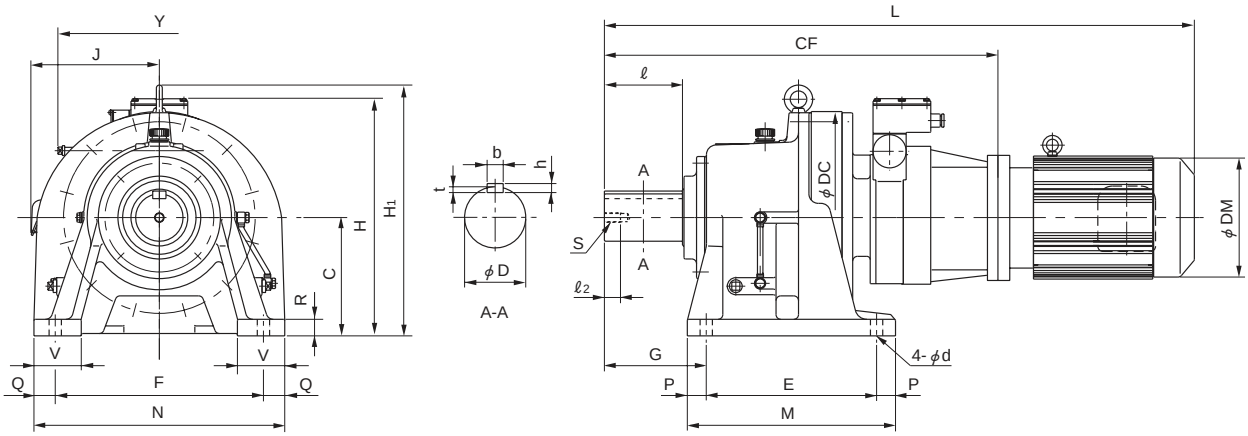


Fig. 17 CHJM-6130DC～6255DA-TL



• Motor :
(1) Totally enclosed, fan-cooled, squirrel cage, 3-phase induction motor. 200V, 50/60Hz, 220V, 60Hz, continuous rating ; 0.4kW, class E insulation ; 0.55～22kW, class B insulation ; 30kW, class F insulation.
(2) Dimensions DM, J, and L may differ slightly from the figures given in the table. Check with Sumitomo if dimensional restrictions apply.
(3) ＊Please consult us.
• Dimension D of the slow speed shaft : The dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in this dimensional drawing are subject to change without notice.

Fig	Model	Motor kW	Motor r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	Slow speed shaft D	b	h	t	ℓ	S	ℓ2	DM	J Indoor	J Outdoor	L	Mass Indoor	Mass Outdoor
16	CHHM05-6130DC-TL	0.4	1500 / 1800 (50Hz / 60Hz)	320	150	230	145	290	100	195	330	350 (—)	298	25	20	22	65	18	50	14	9	5.5	70	M10	18	124	85	105	513	66	67
16	CHHM08-6130DC-TL	0.55																								148	114	136	554	69	69
16	CHHM 1-6130DC-TL	0.75																								148	114	136	554	69	69
16	CHHM1H-6130DC-TL	1.1																								160	119	141	587	73	73
16	CHHM 2-6130DC-TL	1.5																								160	119	141	587	73	73
16	CHHM 3-6130DC-TL	2.2																								173	126	148	607	77	77
17	CHHJM 4-6130DC-TL	3		432																						212	147	183	770	99	100
16	CHHM05-6135DC-TL	0.4		320																						124	85	105	513	66	67
16	CHHM08-6135DC-TL	0.55																								148	114	136	554	69	69
16	CHHM 1-6135DC-TL	0.75																								148	114	136	554	69	69
16	CHHM1H-6135DC-TL	1.1																								160	119	141	587	73	73
16	CHHM 2-6135DC-TL	1.5																								160	119	141	587	73	73
16	CHHM 3-6135DC-TL	2.2																								173	126	148	607	77	77
17	CHHJM 4-6135DC-TL	3		432																						212	147	183	770	99	100
Fig	Model	kW	r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	D	b	h	t	ℓ	S	ℓ2	DM	Indoor	Outdoor	L	Indoor	Outdoor
		Motor																	Slow speed shaft								J			Mass	

Fig	Model	Motor kW	Motor r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	Slow speed shaft D	b	h	t	ℓ	S	ℓ2	DM	J Indoor	J Outdoor	L	Mass Indoor	Mass Outdoor
16	CHHM05-6140DC-TL	0.4	1500 / 1800 (50Hz / 60Hz)	340	150	230	145	290	120	195	330	350 (—)	298	25	20	22	65	18	50	14	9	5.5	90	M10	18	124	85	105	533	67	68
16	CHHM08-6140DC-TL	0.55																								148	114	136	574	70	70
16	CHHM 1-6140DC-TL	0.75																								148	114	136	574	70	70
16	CHHM1H-6140DC-TL	1.1																								160	119	141	607	74	74
16	CHHM 2-6140DC-TL	1.5																								160	119	141	607	74	74
16	CHHM 3-6140DC-TL	2.2																								173	126	148	627	78	78
17	CHHJM 4-6140DC-TL	3		452																						212	147	183	790	99	100
17	CHHJM 5-6140DC-TL	3.7																								212	147	183	790	99	100
16	CHHM05-6145DC-TL	0.4		340																						124	85	105	533	67	68
16	CHHM08-6145DC-TL	0.55																								148	114	136	574	70	70
16	CHHM 1-6145DC-TL	0.75																								148	114	136	574	70	70
16	CHHM1H-6145DC-TL	1.1																								160	119	141	607	74	74
16	CHHM 2-6145DC-TL	1.5																								160	119	141	607	74	74
16	CHHM 3-6145DC-TL	2.2																								173	126	148	627	78	78
17	CHHJM 4-6145DC-TL	3		432																						212	147	183	770	99	100
16	CHHM05-6160DB-TL	0.4		390	160	300	150	370	139	238	410	360 (349)	298	44	20	25	75	18	60	18	11	7	90	M10	18	124	85	105	583	107	108
16	CHHM08-6160DB-TL	0.55																								148	114	136	624	110	110
16	CHHM 1-6160DB-TL	0.75																								148	114	136	624	110	110
16	CHHM1H-6160DB-TL	1.1																								160	119	141	677	118	118
16	CHHM 2-6160DB-TL	1.5																								160	119	141	677	118	118
16	CHHM 3-6160DB-TL	2.2																								173	126	148	679	130	130
17	CHHJM 4-6160DB-TL	3		502																						212	147	183	840	140	141
17	CHHJM 5-6160DB-TL	3.7																								212	147	183	840	140	141
16	CHHM 4-6160DC-TL	3		394								381 (355)	298													212	147	183	702	136	138
16	CHHM 5-6160DC-TL	3.7																								212	147	183	702	136	138
16	CHHM 8-6160DC-TL	5.5																								212	147	183	890	299	301
16	CHHM05-6165DB-TL	0.4		390								360 (349)	298													124	85	105	583	107	108
16	CHHM08-6165DB-TL	0.55																								148	114	136	624	110	110
16	CHHM 1-6165DB-TL	0.75																								148	114	136	624	110	110
16	CHHM1H-6165DB-TL	1.1																								160	119	141	657	114	114
16	CHHM 2-6165DB-TL	1.5																								160	119	141	657	114	114
16	CHHM 3-6165DB-TL	2.2																								173	126	148	677	118	118
17	CHHJM 4-6165DB-TL	3		502																						212	147	183	840	140	141
17	CHHJM 5-6165DB-TL	3.7																								212	147	183	840	140	141
16	CHHM 4-6165DC-TL	3		394								381 (355)	298													212	147	183	702	136	138
16	CHHM 5-6165DC-TL	3.7																								212	147	183	702	136	138
16	CHHM 8-6165DC-TL	5.5																								212	147	183	890	299	301
17	CHHJM10-6165DC-TL	7.5		545																						251	188	222	965	*	*
16	CHHM05-6170DB-TL	0.4		435	200	340	275	380	125	335	430	400 (436)	298	30	25	30	80	22	70	20	12	7.5	90	M12	24	124	85	105	628	137	138
16	CHHM08-6170DB-TL	0.55																								148	114	136	669	147	147
16	CHHM 1-6170DB-TL	0.75																								148	114	136	669	147	147
16	CHHM1H-6170DB-TL	1.1																								160	119	141	702	151	151
16	CHHM 2-6170DB-TL	1.5																								160	119	141	702	151	151
16	CHHM 3-6170DB-TL	2.2																								173	126	148	722	155	155
17	CHHJM 4-6170DB-TL	3		547																						212	147	183	885	176	177
17	CHHJM 5-6170DB-TL	3.7																								212	147	183	885	176	177
16	CHHM 4-6170DC-TL	3		441								421 (425)	298													212	147	183	749	170	172
16	CHHM 5-6170DC-TL	3.7																								212	147	183	749	170	172
16	CHHM 8-6170DC-TL	5.5																								212	147	183	793	177	181
17	CHHJM10-6170DC-TL	7.5		592																						251	188	222	1007	*	*
16	CHHM05-6175DB-TL	0.4		435								400 (436)	298													124	85	105	628	137	138
16	CHHM08-6175DB-TL	0.55																								148	114	136	669	145	145
16	CHHM 1-6175DB-TL	0.75																								148	114	136	669	145	145
16	CHHM 1H-6175DB-TL	1.1																								160	119	141	702	149	149
16	CHHM 2-6175DB-TL	1.5																								160	119	141	702	149	149
16	CHHM 3-6175DB-TL	2.2																								173	126	148	722	153	153
17	CHHJM 4-6175DB-TL	3		547																						212	147	183	885	176	177
16	CHHM 4-6175DC-TL	3		441								421 (425)	298													212	147	183	749	170	172
16	CHHM 5-6175DC-TL	3.7																								212	147	183	749	170	172
16	CHHM 8-6175DC-TL	5.5																								212	147	183	793	177	181
Fig	Model	Motor kW	Motor r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	Slow speed shaft D	b	h	t	ℓ	S	ℓ2	DM	J Indoor	J Outdoor	L	Mass Indoor	Mass Outdoor

9·3 CHHM Type (Horizontal, Foot Mounting Gearmotor) Double Reduction

Fig. 18 CHHM-6130DC～6195DB-TL

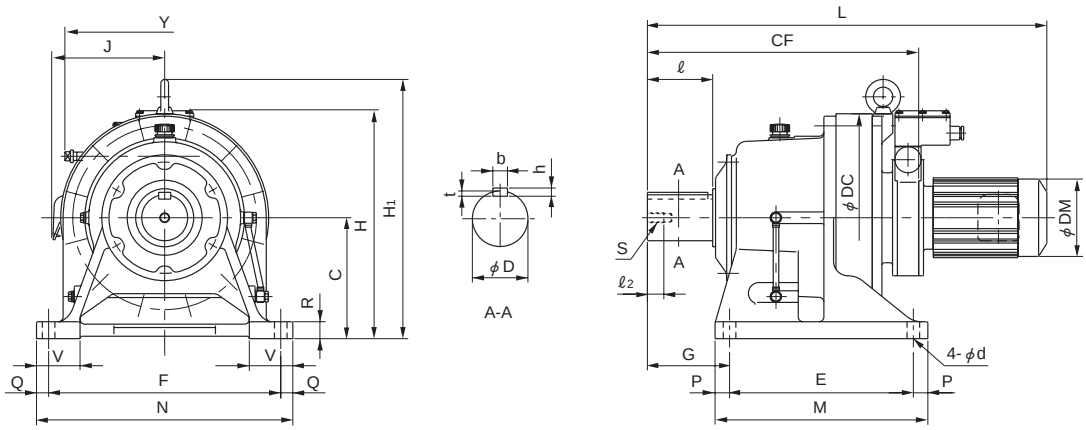


Fig. 19 CHHM-6205DB～6265DA-TL

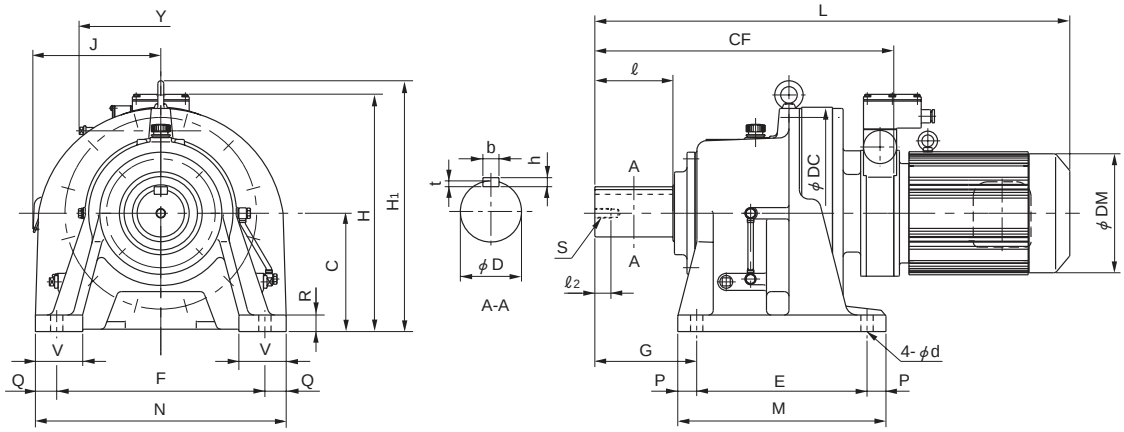
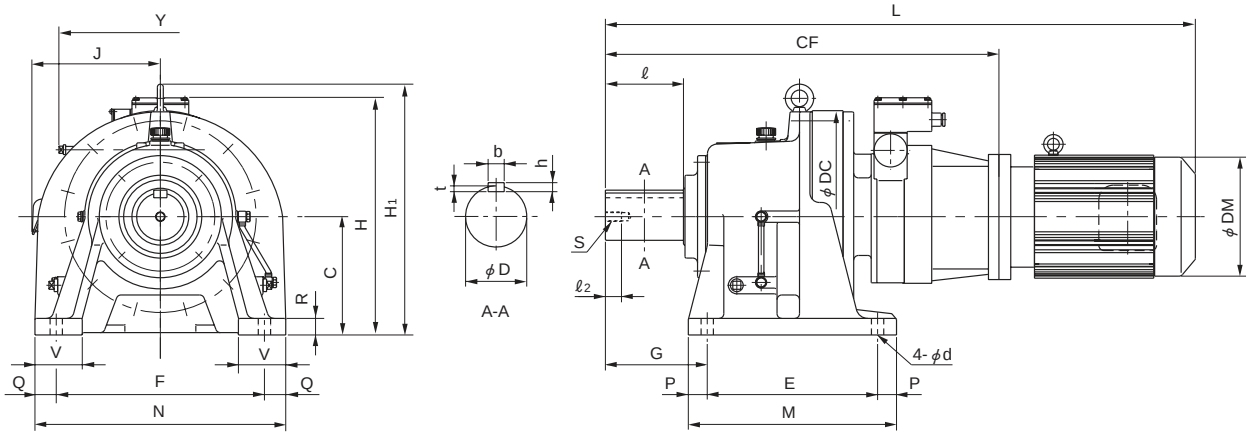


Fig. 20 CHJM-6130DC～6255DA-TL



• Motor :
(1) Totally enclosed, fan-cooled, squirrel cage, 3-phase induction motor. 200V, 50/60Hz, 220V, 60Hz, continuous rating ; 0.4kW, class E insulation ; 0.55～22kW, class B insulation ; 30kW, class F insulation.
(2) Dimensions DM, J, and L may differ slightly from the figures given in the table. Check with Sumitomo if dimensional restrictions apply.
• Dimension D of the slow speed shaft : The dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in the dimensional drawing are subject to change without notice.

Fig	Model	Motor		CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	Slow speed shaft							DM	J		L	Mass	
		kW	r/min																D	b	h	t	ℓ	S	ℓ_2		Indoor	Outdoor		Indoor	Outdoor
18	CHHM05-6180DA-TL	0.4	1500 / 1800 (50Hz / 60Hz)	477	220	370	320	420	145	380	470	420 (451)	298	30	25	30	85	22	80	22	14	9	110	M12	24	124	85	105	670	177	178
18	CHHM08-6180DA-TL	0.55																								148	114	136	711	188	188
18	CHHM 1-6180DA-TL	0.75																								148	114	136	711	188	188
18	CHHM1H-6180DA-TL	1.1																								160	119	141	744	192	192
18	CHHM 2-6180DA-TL	1.5																								160	119	141	744	192	192
18	CHHM 3-6180DA-TL	2.2																								173	126	148	764	196	196
20	CHHJM 4-6180DA-TL	3		589																						212	147	183	927	221	222
20	CHHJM 5-6180DA-TL	3.7																								212	147	183	927	221	222
18	CHHM 4-6180DB-TL	3		504								471 (451)	332													212	147	183	853	238	242
18	CHHM 5-6180DB-TL	3.7																								212	147	183	853	238	242
18	CHHM 8-6180DB-TL	5.5																								212	147	183	853	238	242
18	CHHM10-6180DB-TL	7.5																								251	188	222	876	252	256
18	CHHM05-6185DA-TL	0.4		477								420 (451)	298													124	85	105	670	177	178
18	CHHM08-6185DA-TL	0.55																								148	114	136	711	188	188
18	CHHM 1-6185DA-TL	0.75																								148	114	136	711	188	188
18	CHHM 1H-6185DA-TL	1.1																								160	119	141	744	192	192
18	CHHM 2-6185DA-TL	1.5																								160	119	141	744	192	192
18	CHHM 3-6185DA-TL	2.2																								173	126	148	764	196	196
20	CHHJM 4-6185DA-TL	3		526																						212	147	183	927	221	222
20	CHHJM 5-6185DA-TL	3.7																								212	147	183	927	221	222
18	CHHM 4-6185DB-TL	3		504								471 (451)	332													212	147	183	853	238	242
18	CHHM 5-6185DB-TL	3.7																								212	147	183	853	238	242
18	CHHM 8-6185DB-TL	5.5																								212	147	183	853	238	242
18	CHHM 10-6185DB-TL	7.5																								251	188	222	876	252	256
20	CHHJM 15-6185DB-TL	11		690																						251	188	222	1170	314	315
18	CHHM 1-6190DA-TL	0.75		561	250	430	380	480	170	440	530	471 (536)	298	30	25	35	90	26	95	25	14	9	135	M20	34	148	114	136	793	267	267
18	CHHM 1H-6190DA-TL	1.1																								160	119	141	826	270	270
18	CHHM 2-6190DA-TL	1.5																								160	119	141	826	270	270
18	CHHM 3-6190DA-TL	2.2																								173	126	148	846	274	274
18	CHHM 4-6190DA-TL	3																								212	147	183	869	283	285
18	CHHM 5-6190DA-TL	3.7																								212	147	183	869	283	285
18	CHHM 8-6190DA-TL	5.5																								212	147	183	913	290	294
18	CHHM 8-6190DB-TL	5.5		580								501 (520)	332													212	147	183	929	306	310
18	CHHM 10-6190DB-TL	7.5																								251	188	222	952	320	324
20	CHHJM 15-6190DB-TL	11		766																						251	188	222	1246	378	379
18	CHHM 1-6195DA-TL	0.75		561								471 (536)	298													148	114	136	793	267	267
18	CHHM 1H-6195DA-TL	1.1																								160	119	141	826	270	270
18	CHHM 2-6195DA-TL	1.5																								160	119	141	826	270	270
18	CHHM 3-6195DA-TL	2.2																								173	126	148	846	274	274
18	CHHM 4-6195DA-TL	3																								212	147	183	869	283	285
18	CHHM 5-6195DA-TL	3.7																								212	147	183	869	283	285
18	CHHM 3-6195DB-TL	2.2		580								501 (520)	332													173	124	144	862	291	292
18	CHHM 5-6195DB-TL	3.7																								173	124	144	862	291	292
18	CHHM 8-6195DB-TL	5.5																								212	147	183	929	306	310
18	CHHM 10-6195DB-TL	7.5																								251	188	222	952	320	324
20	CHHJM 15-6195DB-TL	11		766																						251	188	222	1246	378	379
19	CHHM 3-6205DB-TL	2.2		632	250	448	360	440	215	440	530	501 (530)	332	40	45	35	100	26	100	28	16	10	165	M20	34	173	126	148	914	315	316
19	CHHM 4-6205DB-TL	3																								212	147	183	942	323	325
19	CHHM 5-6205DB-TL	3.7																								212	147	183	942	323	325
19	CHHM 8-6205DB-TL	5.5																								212	147	183	981	330	334
19	CHHM 10-6205DB-TL	7.5																								251	188	222	1004	344	348
20	CHHJM 15-6205DB-TL	11		818																						251	188	222	1298	399	400
19	CHHM 2-6215DA-TL	1.5		658	265	485	395	480	210	475	580	516 (575)	332	40	50	40	110	26	110	28	16	10	165	M20	34	160	119	141	920	393	393
19	CHHM 3-6215DA-TL	2.2																								173	126	148	940	396	397
19	CHHM 4-6215DA-TL	3																								212	147	183	968	404	406
19	CHHM 5-6215DA-TL	3.7																								212	147	183	968	404	406
19	CHHM 8-6215DA-TL	5.5																								212	147	183	1007	411	415
19	CHHM 10-6215DA-TL	7.5																								251	188	222	1030	425	429
20	CHHJM 15-6215DA-TL	11		844																						251	188	222	1030	425	429
20	CHHJM15-6215DB-TL	11		893								559 (575)	392													251	188	222	1338	509	513
20	CHHJM20-6215DB-TL	15																								324	232	270	1438	480	481
20	CHHJM25-6215DB-TL	18.5		894																						394	297	355	1519	578	580
Fig	Model	kW	r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	D	b	h	t	ℓ	S	ℓ_2	DM	Indoor	Outdoor	L	Indoor	Outdoor
		Motor																	Slow speed shaft								J			Mass	

9·4 CHHM Type (Horizontal, Foot Mounting Gearmotor) Double Reduction

Fig. 21 CHHM-6205DB～6265DA-TL

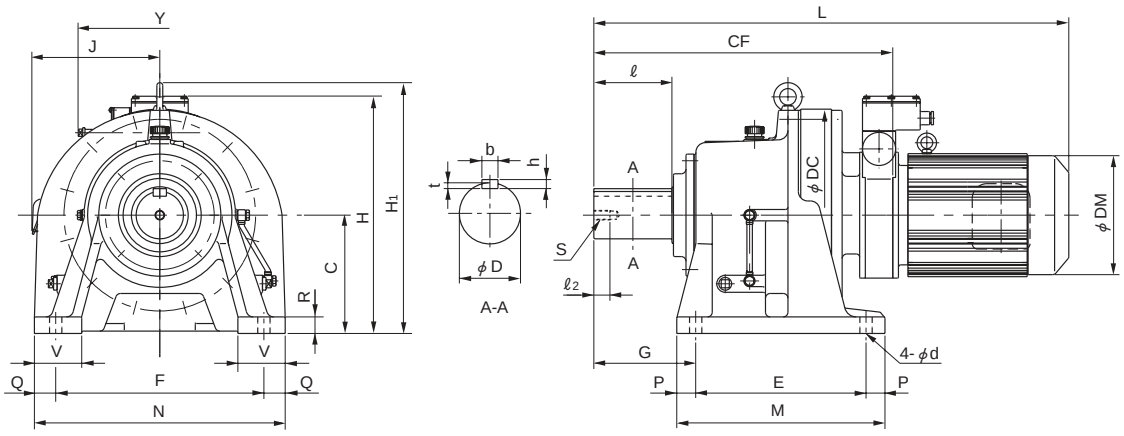


Fig. 22 CHHM-6270DA,6275DA-TL

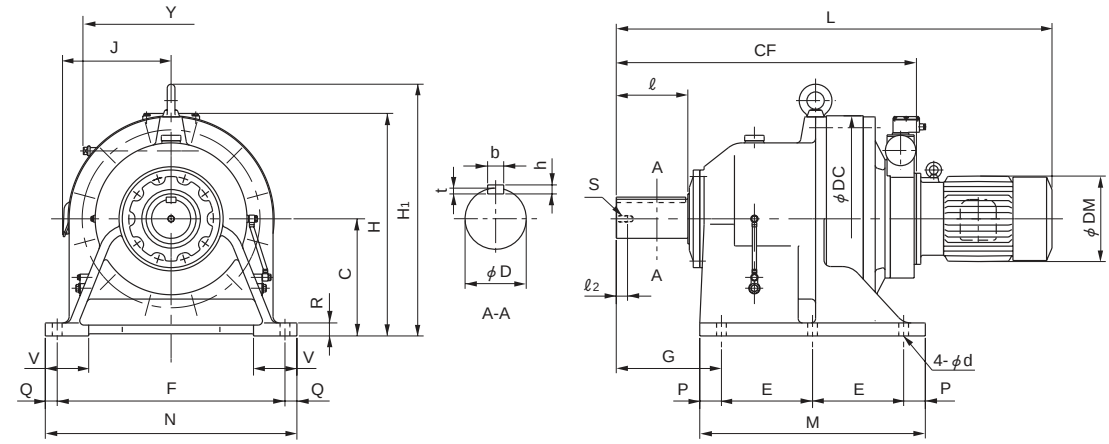
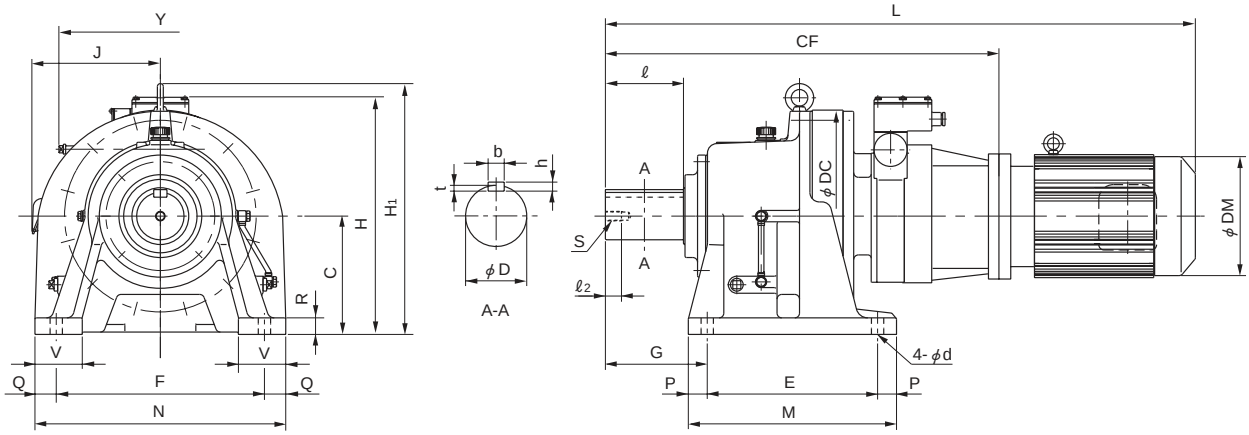


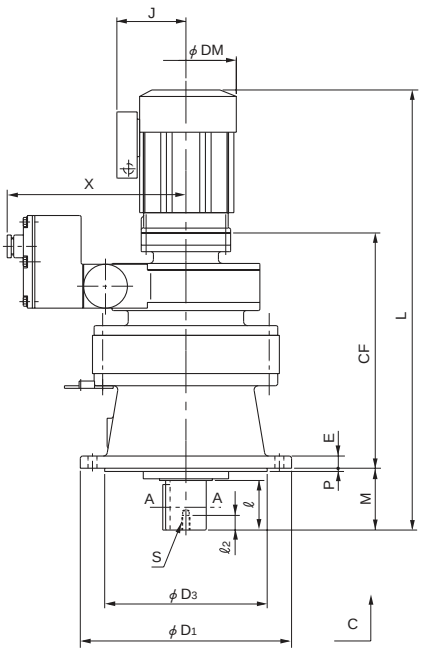
Fig. 23 CHJM-6130DC～6255DA-TL

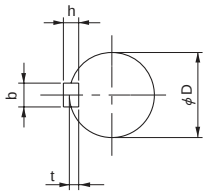


• Motor :
(1) Totally enclosed, fan-cooled, squirrel cage, 3-phase induction motor. 200V, 50/60Hz, 220V, 60Hz, continuous rating ; 0.4kW, class E insulation ; 0.55～22kW, class B insulation ; 30kW, class F insulation.
(2) Dimensions DM, J, and L may differ slightly from the figures given in the table. Check with Sumitomo if dimensional restrictions apply.
• Dimension D of the slow speed shaft : The dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in this dimensional drawing are subject to change without notice.

Fig	Model	Motor		CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	Slow speed shaft							DM	J		L	Mass	
		kW	r/min																D	b	h	t	ℓ	S	ℓ_2		Indoor	Outdoor		Indoor	Outdoor
21	CHHM 2-6225DA-TL	1.5	1500 / 1800 (50Hz / 60Hz)	700	280	526	420	540	230	520	620	531 (610)	332	50	40	40	115	33	120	32	18	11	165	M20	34	160	119	141	962	467	467
21	CHHM 3-6225DA-TL	2.2																								173	126	148	982	470	471
21	CHHM 4-6225DA-TL	3																								212	147	183	1010	478	480
21	CHHM 5-6225DA-TL	3.7																								212	147	183	1010	478	480
21	CHHM 8-6225DA-TL	5.5																								212	147	183	1049	485	489
21	CHHM 10-6225DA-TL	7.5																								251	188	222	1072	499	503
23	CHHJM 15-6225DA-TL	11		886																						251	188	222	1366	555	556
23	CHHJM 15-6225DB-TL	11		973								628 (610)	466													251	188	222	1423	644	648
23	CHHJM 20-6225DB-TL	15																								324	232	270	1503	702	706
23	CHHJM 25-6225DB-TL	18.5																								394	297	355	1599	800	808
23	CHHJM 30-6225DB-TL	22																								394	297	355	1599	800	808
23	CHHJM 40-6225DB-TL	30																								394	297	355	1599	815	823
21	CHHM 3-6235DA-TL	2.2		805	300	562	460	580	260	560	670	594 (667)	392	50	45	45	120	33	130	32	18	11	200	M24	41	173	126	148	1068	596	596
21	CHHM 4-6235DA-TL	3																								212	147	183	1091	606	608
21	CHHM 5-6235DA-TL	3.7																								212	147	183	1091	606	608
21	CHHM 8-6235DA-TL	5.5																								212	147	183	1135	613	617
21	CHHM 10-6235DA-TL	7.5																								251	188	222	1163	627	631
23	CHHJM 15-6235DA-TL	11		996																						251	188	222	1441	681	685
23	CHHJM 20-6235DA-TL	15																								324	232	270	1526	737	741
23	CHHJM 25-6235DA-TL	18.5																								394	297	355	1622	841	849
23	CHHJM 20-6235DB-TL	15		1051								668 (667)	466													324	232	270	1596	832	834
23	CHHJM 25-6235DB-TL	18.5																								394	297	355	1676	930	938
23	CHHJM 30-6235DB-TL	22																								394	297	355	1676	930	938
23	CHHJM 40-6235DB-TL	30																								394	297	355	1676	941	949
21	CHHM 3-6245DA-TL	2.2		843	335	614	480	630	263	580	720	629 (729)	392	50	45	45	128	39	140	36	20	12	200	M24	41	173	126	148	1106	705	705
21	CHHM 4-6245DA-TL	3																								212	147	183	1129	715	717
21	CHHM 5-6245DA-TL	3.7																								212	147	183	1129	715	717
21	CHHM 8-6245DA-TL	5.5																								212	147	183	1173	722	726
21	CHHM 10-6245DA-TL	7.5																								251	188	222	1201	736	740
23	CHHJM 15-6245DA-TL	11		1034																						251	188	222	1479	789	793
23	CHHJM 20-6245DA-TL	15																								324	232	270	1564	845	849
23	CHHJM 25-6245DA-TL	18.5																								324	232	270	1564	845	849
23	CHHJM 20-6245DB-TL	15		1088								703 (729)	466													324	232	270	1611	933	937
23	CHHJM 25-6245DB-TL	18.5																								394	297	355	1714	1032	1040
23	CHHJM 30-6245DB-TL	22																								394	297	355	1714	1032	1040
23	CHHJM 40-6245DB-TL	30																								394	297	355	1714	1043	1051
21	CHHM 5-6255DA-TL	3.7		989	375	670	520	670	320	630	780	723 (815)	466	55	55	50	140	39	160	40	22	13	240	M30	49	212	147	183	1284	1098	1098
21	CHHM 8-6255DA-TL	5.5																								212	147	183	1328	1106	1111
21	CHHM 10-6255DA-TL	7.5																								251	188	222	1346	1118	1123
23	CHHJM 15-6255DA-TL	11																								251	188	222	1644	1178	1182
23	CHHJM 20-6255DA-TL	15		1194																						324	232	270	1724	1236	1240
23	CHHJM 25-6255DA-TL	18.5																								394	297	355	1819	1308	1312
23	CHHJM 30-6255DA-TL	22																								394	297	355	1819	1308	1312
23	CHHJM 40-6255DA-TL	30																								394	297	355	1819	1350	1358
21	CHHM 40-6255DB-TL	30		1013								845 (815)	626													394	297	355	1638	1480	1490
21	CHHM 8-6265DA-TL	5.5		1123	400	736	590	770	390	700	880	870 (874)	626	55	55	55	160	45	170	40	22	13	300	M30	49	212	147	183	1515	1566	1571
21	CHHM 10-6265DA-TL	7.5																								251	188	222	1528	1578	1583
21	CHHM 15-6265DA-TL	11																								251	188	222	1588	1596	1596
21	CHHM 20-6265DA-TL	15																								324	232	270	1645	1645	1650
21	CHHM 25-6265DA-TL	18.5																								394	297	355	1748	1720	1730
21	CHHM 30-6265DA-TL	22																								394	297	355	1748	1720	1730
21	CHHM 40-6265DA-TL	30																								394	297	355	1748	1735	1745
22	CHHM 8-6275DA-TL	5.5		1384	540	950	420	1050	485	1040	1160	1010 (1161)	626	100	55	60	200	45	180	45	25	15	330	M30	52	212	147	183	1758	2701	2706
22	CHHM 10-6275DA-TL	7.5																								251	188	222	1789	2713	2718
22	CHHM 15-6275DA-TL	11																								251	188	222	1849	2731	2731
22	CHHM 20-6275DA-TL	15																								324	232	270	1914	2780	2785
22	CHHM 25-6275DA-TL	18.5																								394	297	355	2009	2855	2865
22	CHHM 30-6275DA-TL	22																								394	297	355	2009	2855	2865
22	CHHM 40-6275DA-TL	30																								394	297	355	2009	2870	2880
Fig	Model	kW	r/min	CF	C	DC	E	F	G	M	N	H (H1)	Y	P (P1)	Q	R	V	d	D	b	h	t	ℓ	S	ℓ_2	DM	Indoor	Outdoor	L	Indoor	Outdoor
		Motor																	Slow speed shaft								J			Mass	

9·5 CVVM Type (Vertical, V Flange Mounting Gearmotor) Triple Reduction





A-A

Fig. 24 CVVM-6130TC-TL
6135TC
CVVM-6140TC-TL
6145TC

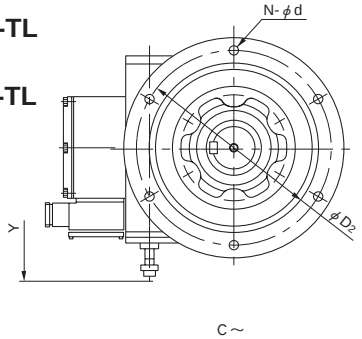


Fig. 25 CVVM-6160TB-TL
6165TB

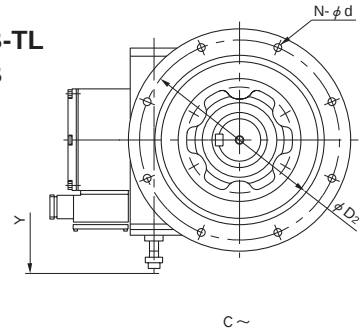


Fig. 26 CVVM-6170TB-TL
6175TB
CVVM-6180TA-TL
6185TA
CVVM-6180TD-TL
6185TD

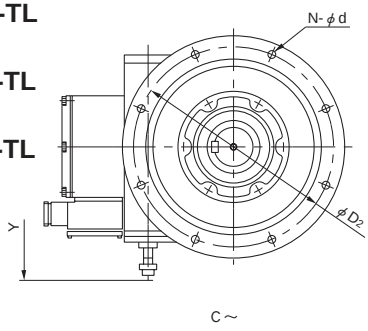


Fig. 27 CVVM-6190TA-TL
6195TA
CVVM-6190TD-TL
6195TD

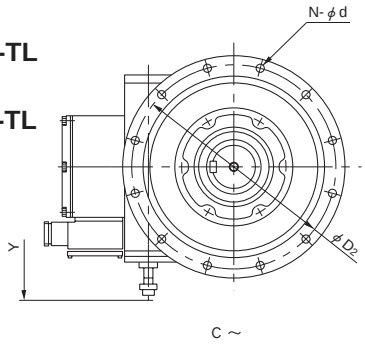
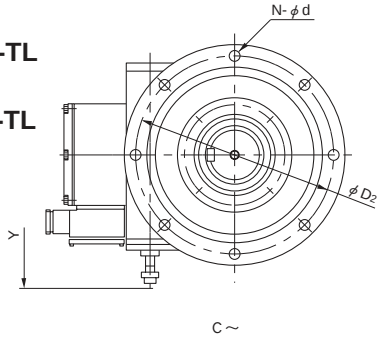


Fig. 28 CVVM-6205TD-TL
～
CVVM-6265TA-TL



- Motor :
  (1) Totally enclosed, fan-cooled, squirrel cage, 3-phase induction motor. 200V, 50/60Hz, 220V, 60Hz, continuous rating ; 0.4kW, class E insulation ; 0.55～22kW, class B insulation ; 30kW, class F insulation.
  (2) Dimensions DM, J, and L may differ slightly from the figures given in the table. Check with Sumitomo if dimensional restrictions apply.
- Dimension D of the slow speed shaft : The dimensional tolerance is based on JIS B0401-1976 "h6."
- Keys : Based on JIS B1301-1976 Parallel Key.
- Standard color of paint : Munsell 6.5PB3.6/8.2
- The dimensions and specifications in this dimensional drawing are subject to change without notice.
- ※Please consult us.

Fig	Model	Motor		CF	D_1	D_2	D_3	E	M	N	X	Y	P	d	Slow speed shaft							DM	J		L	Mass	
		kW	r/min												D	b	h	t	ℓ	S	ℓ_2		Indoor	Outdoor		Indoor	Outdoor
24	CVVM 02-6130TC-TL	0.2	1500 / 1800 (50Hz / 60Hz)	290	260	230	200	15	76	6	220	298	4	11	50	14	9	5.5	61	M10	18	124	85	105	542	64	64
24	CVVM 02-6135TC-TL	0.2																				124	85	105	542	64	64
24	CVVM 02-6140TC-TL	0.2							96		220	298							81			124	85	105	542	64	64
24	CVVM 02-6145TC-TL	0.2																				124	85	105	542	64	64
25	CVVM 02-6160TB-TL	0.2		347	340	310	270	20	89	6	220	298	4	11	60	18	11	7	80	M10	18	124	85	105	612	101	101
25	CVVM 02-6165TB-TL	0.2																				124	85	105	612	101	101
26	CVVM 02-6170TB-TL	0.2		386	400	360	316	22	94	8	220	298	5	14	70	20	12	7.5	84	M12	24	124	85	105	656	137	137
26	CVVM 05-6170TB-TL	0.4																				124	85	105	676	138	138
26	CVVM 02-6175TB-TL	0.2																				124	85	105	656	137	137
26	CVVM 05-6175TB-TL	0.4																				124	85	105	676	138	138
26	CVVM 02-6180TA-TL	0.2		413	430	390	345	22	110	8	220	298	5	18	80	22	14	9	100	M12	24	124	85	105	699	168	168
26	CVVM 05-6180TA-TL	0.4																				124	85	105	719	169	169
26	CVVM 02-6180TC-TL	0.2		450							271	332										124	85	105	736	199	200
26	CVVM 02-6185TA-TL	0.2		413							220	298										124	85	105	699	168	168
26	CVVM 05-6185TA-TL	0.4																				124	85	105	719	169	169
26	CVVM 02-6185TC-TL	0.2		450							271	332										124	85	105	736	199	200
27	CVVM 02-6190TA-TL	0.2		465	490	450	400	30	145	12	241	298	6	18	95	25	14	9	125	M20	34	124	85	105	786	252	252
27	CVVM 05-6190TA-TL	0.4																				124	85	105	806	253	253
27	CVVM 02-6190TD-TL	0.2		491							271	332										124	85	136	667	269	269
27	CVVM 1-6190TD-TL	0.75																				148	114	136	873	274	274
27	CVVM 02-6195TA-TL	0.2		465							241	298										124	85	136	786	252	252
27	CVVM 05-6195TA-TL	0.4																				124	85	136	806	253	253
27	CVVM 02-6195TD-TL	0.2		491							271	332										148	114	136	667	269	269
27	CVVM 1-6195TD-TL	0.75																				148	114	136	873	274	274
28	CVVM 02-6205TD-TL	0.2		483	455	405	355	30	204	8	271	332	5	22	100	28	16	10	165	M20	34	124	85	105	863	290	291
28	CVVM 05-6205TD-TL	0.4																				124	85	105	883	291	292
28	CVVM 1-6205TD-TL	0.75																				148	114	136	924	295	295
28	CVVM 02-6215TB-TL	0.2		511	490	440	390	35	203	8	271	332	7	24	110	28	16	10	165	M20	34	124	85	105	890	350	351
28	CVVM 05-6215TB-TL	0.4																				124	85	105	910	351	352
28	CVVM 1-6215TB-TL	0.75																				148	114	136	951	355	355
28	CVVM 2-6215TBTL	1.5																				160	119	141	998	360	360
28	CVVM 2-6215TD-TL	1.5		538							※	※										160	119	141	※	※	※
28	CVVM 05-6225TB-TL	0.4		546	535	475	415	35	210	8	271	332	10	27	120	32	18	11	165	M20	34	124	85	105	952	440	441
28	CVVM 1-6225TB-TL	0.75																				148	114	136	993	444	444
28	CVVM 2-6225TDTL	1.5		560																		160	119	141	1040	449	449
28	CVVM05-6235TA-TL	0.4		594	570	510	450	40	250	8	314	392	10	27	130	32	18	11	200	M24	41	124	85	105	1040	552	553
28	CVVM 1-6235TB-TL	0.75																				148	114	136	1081	556	556
28	CVVM 2-6235TB-TL	1.5		608																		160	119	141	1128	561	561
28	CVVM 05-6245TA-TL	0.4		631	635	560	485	40	250	8	314	392	10	33	140	36	20	12	200	M24	41	124	85	105	1077	646	647
28	CVVM 1-6245TA-TL	0.75																				148	114	136	1118	650	650
28	CVVM 2-6245TA-TL	1.5																				160	119	141	901	653	653
28	CVVM 2-6245TB-TL	1.5		645																		160	119	141	1165	655	655
28	CVVM 05-6255TATL	0.4		727	685	610	535	45	295	8	367	466	10	33	160	40	22	13	240	M30	49	124	85	105	1217	994	995
28	CVVM 1-6255TA-TL	0.75																				148	114	136	1259	998	998
28	CVVM 2-6255TA-TL	1.5																				160	119	141	997	1001	1001
28	CVVM 2-6255TB-TL	1.5		741																		160	119	141	1306	1003	1003
28	CVVM 3-6255TB-TL	2.2																				173	126	148	1326	1008	1008
28	CVVM 05-6255TD-TL	0.4		775							492	626										124	85	105	1270	1189	1190
28	CVVM 1-6265TA-TL	0.75		819	750	660	570	50	360	8	492	626	10	39	170	40	22	13	300	M30	49	148	114	136	1416	1461	1462
28	CVVM 2-6265TA-TL	1.5																				160	119	141	1449	1465	1465
28	CVVM 3-6265TA-TL	2.2																				173	126	148	1469	1469	1469
28	CVVM 5-6265TA-TL	3.7																				212	147	183	1492	1483	1483
Fig	Model	kW	r/min	CF	D_1	D_2	D_3	E	M	N	X	Y	P	d	D	b	h	t	ℓ	S	ℓ_2	DM	Indoor	Outdoor	L	Indoor	Outdoor
		Motor													Slow speed shaft								J			Mass	

9·6 CHM, CHH Type (Horizonal Type, Foot Mounting, Reducer) Single Reduction

Fig. 29 CNH-6100, 6105, 6120, 6125-TL

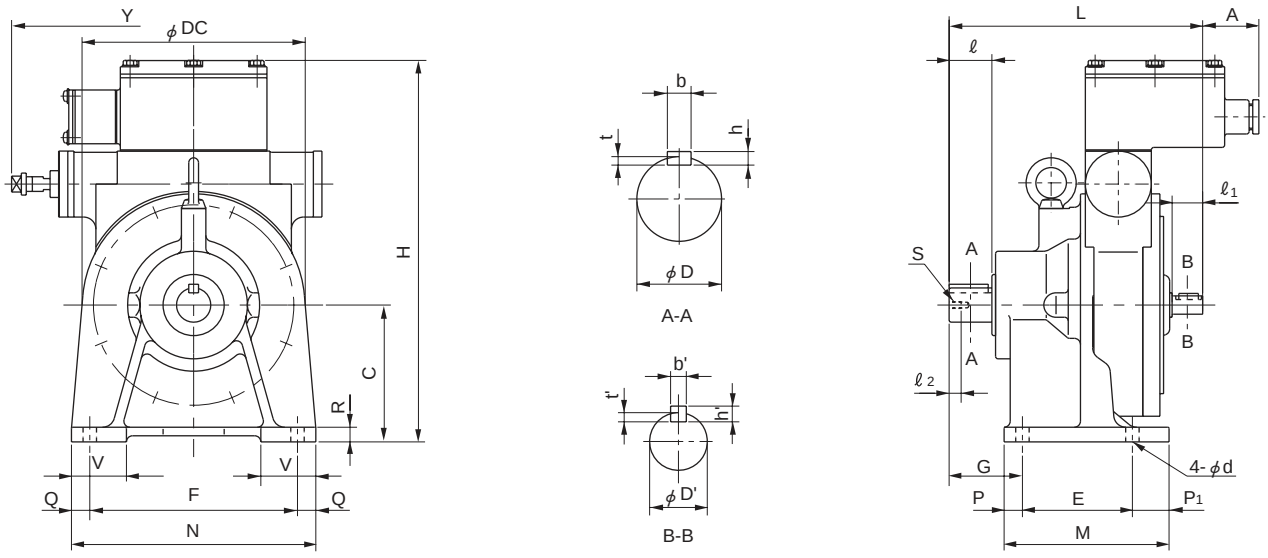
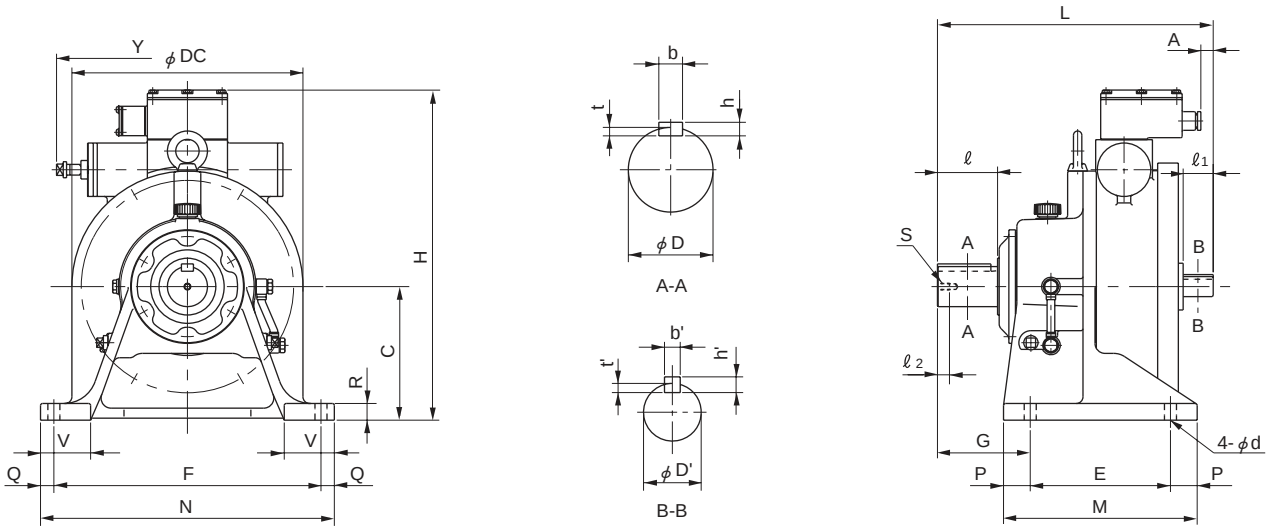


Fig. 30 CHH-6130～6195-TL



• Dimension D of the slow speed shaft and dimension D' of high speed shaft : Dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in the dimensional drawing are subject to change without notice.

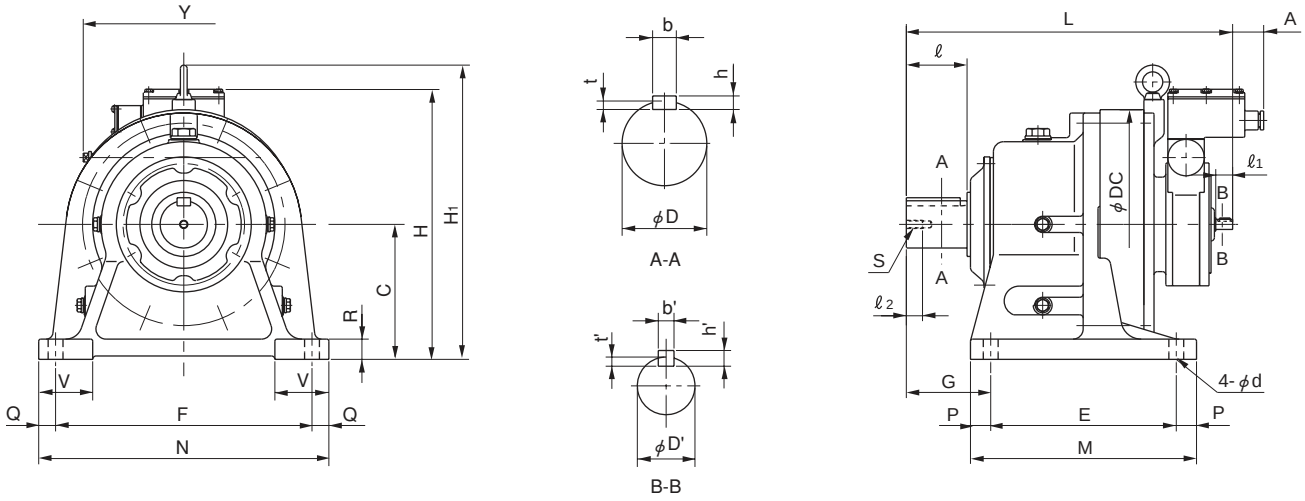
Fig	Model	C	DC	E	F	G	M	N	H	Y	A	P (P1)	Q	R	V	d	Slow speed shaft							High speed shaft					L	Mass
																	D	b	h	t	ℓ	S	ℓ2	D′	b′	h′	t′	ℓ1		
29	CNH - 6100,6105 - TL	112	182	90	170	60	135	200	312	298	46	15 (30)	15	12	45	11	28	8	7	4	35	M8	20	15	5	5	3	25	208	25
29	CNH - 6120,6125 - TL	140	240	140	240	82	180	280	361	298	25	20 (20)	20	15	55	14	38	10	8	5	55	M8	20	18	6	6	3.5	35	259	40
30	CHH - 6130,6135 - TL	160	265	170	320	100	220	360	411	332	*−13	25	20	22	65	18	50	14	9	5.5	70	M10	18	22	6	6	3.5	40	321	69
30	CHH - 6145 - TL					120															90								341	70
30	CNH - 6160,6165 - TL	200	370	210	400	139	290	440	494	392	18	40	20	25	75	18	60	18	11	7	90	M10	18	30	8	7	4	45	413	118
30	CHH - 6170,6175 -TL	250	414	275	440	125	335	490	598	466	45	30	25	30	64	22	70	20	12	7.5	90	M12	24	35	10	8	5	55	477	186
30	CHH - 6180,6185 -TL	265	476	320	480	145	380	530	633	466	51	30	25	30	90	22	80	22	14	9	110	M12	24	40	12	8	5	65	527	227
30	CHH - 6190,6195 -TL	335	572	380	620	170	440	680	805	626	78	30	30	35	110	26	95	25	14	9	135	M20	34	45	14	9	5.5	70	620	435
Fig	Model	C	DC	E	F	G	M	N	H	Y	A	P (P1)	Q	R	V	d	Slow speed shaft							High speed shaft					L	Mass
																	D	b	h	t	ℓ	S	ℓ2	D′	b′	h′	t′	ℓ1		

Dimension CHH 6130, 6135, and 6145 extends from the end of the high speed shaft, as shown in Fig. 21.

9·7 CHH Type (Horizontal, Free Input Shaft) Double Reduction

Fig. 31 CNH- 6130DC, 6140DC, 6160DB, 6160DC, 6170DB, 6170DC, 6180DA, 6180DB, 6190DA, 6190DB -TL
6135DC, 6145DC, 6165DB, 6165DC, 6175DB, 6175DC, 6185DA, 6185DB, 6195DA, 6195DB

(An oil gauge comes standard with models 6160DC, 6170DC, 6180DB, 6190DA, 6190DB 6165DC, 6175DC, 6185DB, 6195DA, 6195DB only.)



- Dimension D of the slow speed shaft and dimension D' of high speed shaft : Dimensional tolerance is based on JIS B0401-1976 "h6."
- Keys : Based on JIS B1301-1976 Parallel Key.
- Standard color of paint : Munsell 6.5PB3.6/8.2
- The dimensions and specifications in the dimensional drawing are subject to change without notice.

Fig	Model	C	DC	E	F	G	M	N	H (H_1)	Y	A	P	Q	R	V	d	Slow speed shaft							High speed shaft					L	Mass
																	D	b	h	t	ℓ	S	$ℓ_2$	D′	b′	h′	t′	$ℓ_1$		
31	CHH - 6130DC - TL	150	230	145	290	100	195	330	350 (—)	298	46	25	20	22	65	18	50	14	9	5.5	70	M10	18	15	5	5	3	25	369	59
31	CHH - 6135DC - TL																													
31	CHH - 6140DC - TL	150	230	145	290	120	195	330	350 (—)	298	46	25	20	22	65	18	50	14	9	5.5	90	M10	18	15	5	5	3	25	389	59
31	CHH - 6145DC - TL																													
31	CHH - 6160DB - TL	160	300	150	370	139	238	410	360 (349)	298	46	44	20	25	75	18	60	18	11	7	90	M10	18	15	5	5	3	25	439	100
31	CHH - 6165DB - TL																													
31	CHH - 6160DC - TL	160	300	150	370	139	238	410	381 (355)	298	25	44	20	25	75	18	60	18	11	7	90	M10	18	18	6	6	3.5	35	462	110
31	CHH - 6165DC - TL																													
31	CHH - 6170DB - TL	200	340	275	380	125	335	430	400 (436)	298	46	30	25	30	80	22	70	20	12	7.5	90	M12	24	15	5	5	3	25	484	136
31	CHH - 6175DB - TL																													
31	CHH - 6170DC - TL	200	340	275	380	125	335	430	421 (425)	298	25	30	25	30	80	22	70	20	12	7.5	90	M12	24	18	6	6	3.5	35	509	144
31	CHH - 6175DC - TL																													
31	CHH - 6180DA - TL	220	370	320	420	145	380	470	420 (451)	298	46	30	25	30	85	22	80	22	14	9	110	M12	24	15	5	5	3	25	526	178
31	CHH - 6185DA - TL																													
31	CHH - 6180DB - TL	220	370	320	420	145	380	470	471 (451)	332	13	30	25	30	85	22	80	22	14	9	110	M12	24	22	6	6	3.5	40	577	207
31	CHH - 6185DB - TL																													
31	CHH - 6190DA - TL	250	430	380	480	170	440	530	471 (536)	332	25	30	25	35	90	26	95	25	14	9	135	M20	34	18	6	6	3.5	35	629	257
31	CHH - 6195DA - TL																													
31	CHH - 6190DB - TL	250	430	380	480	170	440	530	501 (520)	332	13	30	25	35	90	26	95	25	14	9	135	M20	34	22	6	6	3.5	40	653	274
31	CHH - 6195DB - TL																													
Fig	Model	C	DC	E	F	G	M	N	H (H_1)	Y	A	P	Q	R	V	d	D	b	h	t	ℓ	S	$ℓ_2$	D′	b′	h′	t′	$ℓ_1$	L	Mass
																	Slow speed shaft							High speed shaft						

9·8 CHH Type (Horizontal, Foot Mounting Free Input Shaft) Double Reduction

Fig. 32 CHH-6205DB-TL～6265DA-TL

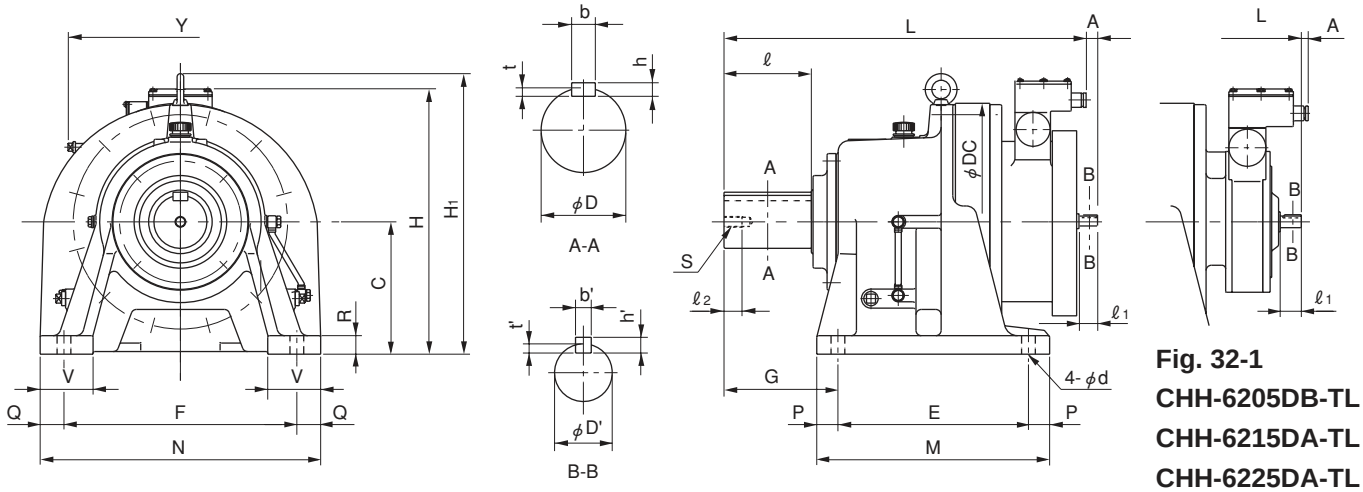
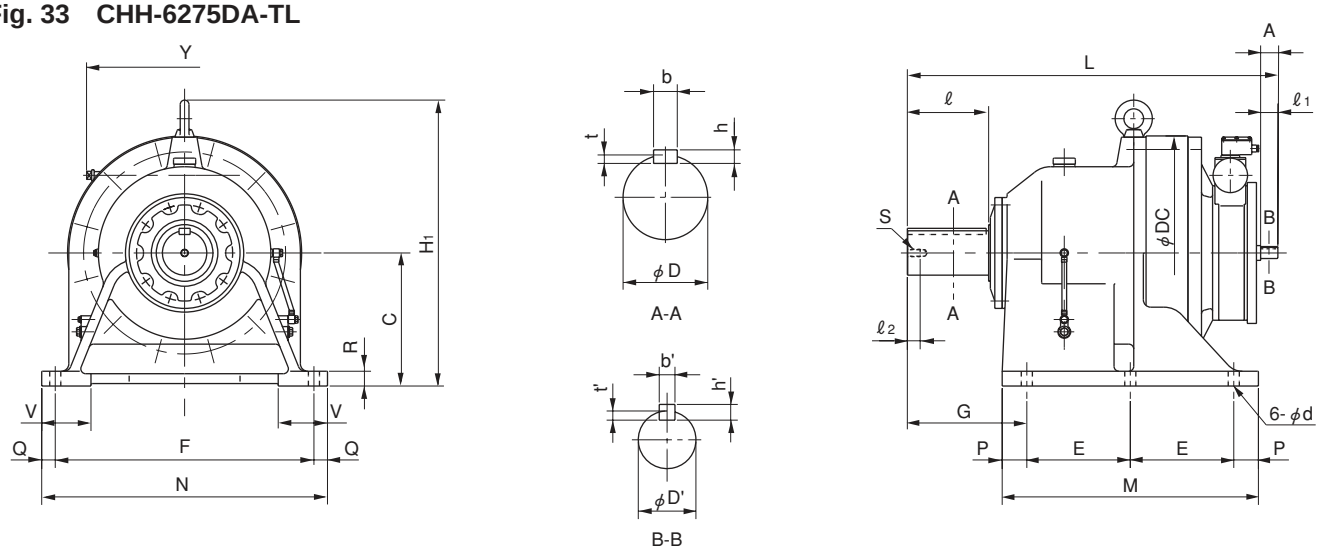


Fig. 32-1
CHH-6205DB-TL
CHH-6215DA-TL
CHH-6225DA-TL

Fig. 33 CHH-6275DA-TL



• Dimension D of the slow speed shaft and dimension D' of high speed shaft : Dimensional tolerance is based on JIS B0401-1976 "h6."
• Keys : Based on JIS B1301-1976 Parallel Key.
• Standard color of paint : Munsell 6.5PB3.6/8.2
• The dimensions and specifications in the dimensional drawing are subject to change without notice.

Fig	Model	C	DC	E	F	G	M	N	H (H_1)	Y	A	P	Q	R	V	d	Slow speed shaft							High speed shaft					L	Mass
																	D	b	h	t	ℓ	S	$ℓ_2$	D′	b′	h′	t′	$ℓ_1$		
32-1	CHH - 6205DB - TL	250	448	360	440	215	440	530	501 (520)	332	13	40	45	35	100	26	100	28	16	10	165	M20	34	22	6	6	3.5	40	705	297
32-1	CHH - 6215DA - TL	265	484	395	480	210	475	580	516 (575)	332	13	40	50	40	110	26	110	28	16	10	165	M20	34	22	6	6	3.5	40	731	378
32	CHH - 6215DB - TL								559 (575)	392	18													30	8	7	4	45	780	412
32-1	CHH - 6225DA - TL	280	526	420	540	230	520	620	531 (610)	332	13	50	40	40	115	33	120	32	18	11	165	M20	34	22	6	6	3.5	40	773	453
32	CHH - 6225DB - TL								628 (610)	466	45													35	10	8	5	55	860	541
32	CHH - 6235DA - TL	300	562	460	580	260	560	670	594 (667)	392	18	50	45	45	120	33	130	32	18	11	200	M24	41	30	8	7	4	45	883	584
32	CHH - 6235DB - TL								668 (667)	466	58													40	12	8	5	65	938	652
32	CHH - 6245DA - TL	335	614	480	630	263	580	720	629 (729)	392	18	50	45	45	128	39	140	36	20	12	200	M24	41	30	8	7	4	45	921	692
32	CHH - 6245DB - TL								703 (729)	466	58													40	12	8	5	65	975	756
32	CHH - 6255DA - TL	375	670	520	670	320	630	780	723 (815)	466	45	55	55	50	140	39	160	40	22	13	240	M30	49	35	10	8	5	55	1081	1075
32	CHH - 6255DB - TL								845 (815)	626	78													45	14	9	5.5	70	1133	1270
32	CHH - 6265DA - TL	400	736	590	770	390	700	880	870 (874)	626	78	55	55	55	160	45	170	40	22	13	300	M30	49	45	14	9	5.5	70	1243	1525
33	CHH - 6275DA - TL	540	950	420	1050	485	1040	1160	1010 (1161)	626	78	100	55	60	200	45	180	45	25	15	330	M30	52	45	14	9	5.5	70	1504	2665
Fig	Model	C	DC	E	F	G	M	N	H (H_1)	Y	A	P	Q	R	V	d	D	b	h	t	ℓ	S	$ℓ_2$	D′	b′	h′	t′	$ℓ_1$	L	Mass
																	Slow speed shaft							High speed shaft						

⚠ SAFETY PRECAUTIONS

- Strictly observe the safety rules for the installation site and equipment. (Industrial Safety and Health Law, Technical Standard for Electric Facilities, Extension Rules, Plant Explosion Guidelines, Building Standards Law, etc.)
- Carefully read the maintenance manual before use. If the maintenance manual is not on hand, request one from the distributor from which you purchased the product or our sales Depertment. The maintenance manual should be sent to the actual user.
- Select a product appropriate for the operating environment and usage.
- Install protective equipment on the machine side when the machine is used for transportation of passengers or for elevators, escalators, and dumbwaiters.
- Use an explosion-proof type motor in an explosive environment.
  Select an explosion-proof type motor whose specifications are best suited for the danger zone.
- When a 400V-class inverter is used to drive the motor, mount a control filter or reactor on the inverter side, or use a sufficiently insulated motor.
- When the machine is used for food processing equipment or other applications that are susceptible to oil, install an oil pan or other preventive devices in case of oil leakage due to failure or termination of service life.