

# FOR INDUSTRIAL APPLICATION

## "GEAR PUMP" GL Series for Low Viscosity Oil

- Safety by-pass function protects pump.

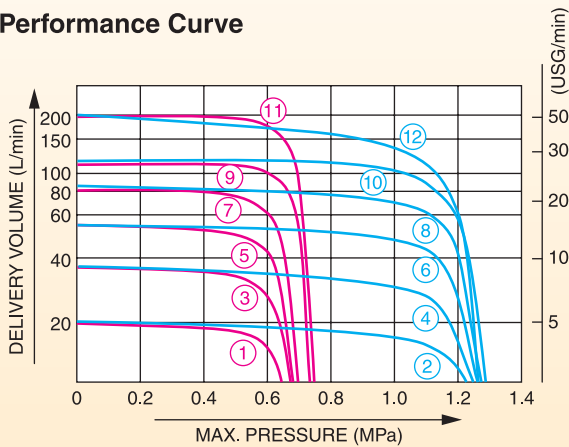
### Applications

- Kerosene
- Machine oil
- Heavy oil
- Light oil



GL-25-5

### Performance Curve



\* Must not be used for gasoline.

### Specifications

Model		GL-13-5	GL-13-10	GL-20-5	GL-20-10	GL-25-5	GL-25-10	GL-32-5	GL-32-10	GL-40-5	GL-40-10	GL-50-5	GL-50-10
Performance Curve No.		①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
Connection Dia		13 mm (½")		20 mm (¾")		25 mm (1")		32 mm (1¼")		40 mm (1½")		50 mm (2")	
Power		0.4 kW	0.75 kW	0.75 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW	3.7 kW	2.2 kW	5.5 kW	3.7 kW	7.5 kW
Poles		4 P						6 P					
Max. Pressure		0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)	0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)	0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)	0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)	0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)	0.5 MPa (5 kgf/cm²)	1 MPa (10 kgf/cm²)
PUMP	Delivery Volume	20 L/min (5 USG/min)		35 L/min (9 USG/min)		55 L/min (14 USG/min)		85 L/min (22 USG/min)		123 L/min (32 USG/min)		200 L/min (52 USG/min)	
	50 Hz (1450 rpm)	17 L/min (4 USG/min)		29 L/min (7 USG/min)		46 L/min (12 USG/min)		71 L/min (18 USG/min)		100 L/min (26 USG/min)		165 L/min (43 USG/min)	
Coupling		ZDC						JIS					
Pump Shaft Dia		φ 18 mm						φ 22 mm					
Gross Weight		6 kg (13.2 lbs) 7 kg (15.4 lbs)		7 kg (15.4 lbs)		8 kg (17.6 lbs)		12 kg (26.4 lbs)		23 kg (50.7 lbs)		26 kg (57.3 lbs)	
Dimensions L×W×X (mm)		234 × 160 × 170		234 × 160 × 170		234 × 160 × 170		317 × 160 × 170		328 × 268 × 235		328 × 268 × 235	
Packing Unit								1					

# "CHANGE MASTER" Oil Change Pumps

- Powerful pump transfers high viscosity oil. (Up to 800 cst)
- Highly recommended for motor oil change.
- Safety by-pass valve protects pump.

### Applications

- Motor oil
- Machine oil
- Heavy oil
- Light oil



\*Must not be used for gasoline.

### Specifications

Model		GM-2524H
PUMP	Dia of Hose Inlet	25 mm (1")
	Dia of Hose Outlet	20 mm (3/4")
	Connection Thread	Inner Pipe Thread
	Max. Delivery Pressure	0.2 MPa (2 kgf/cm <sup>2</sup> )
	Delivery Volume	20 L/min (5 USG/min)
	Applicable Viscosity	800 cst
MOTOR	Voltage	DC 24 V
	Rated Current	16 A
	Output	200 W
	Revolution	6200 rpm
	Rating	25 min
	Power Cord	5 m (16 ft)
Gross Weight	10 kg (22.1 lbs)	
Dimensions LxWxH (mm)	320 x 188 x 268	
Packing Unit	1	



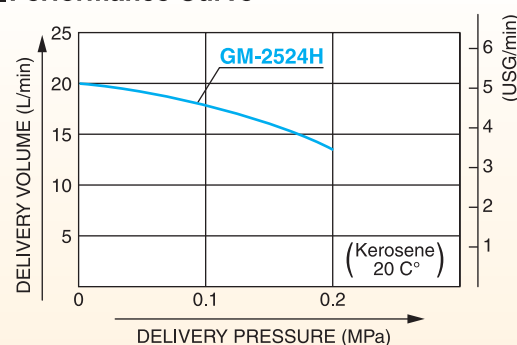
GM-2524H

## E-type Hose Set for GM Pumps

- Suction Dia: 25 mm (1") x 2 m (6.5 ft)
- Delivery Dia: 20 mm (3/4") x 2 m (6.5 ft)
- 1 Nozzle, 1 Strainer, 2 Joints



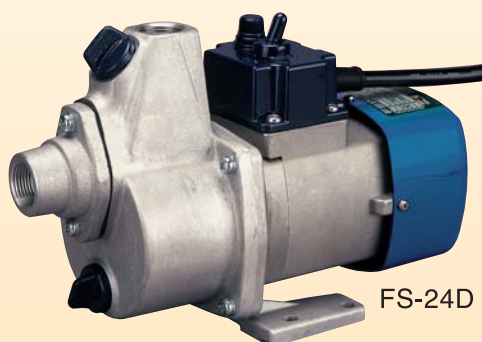
### Performance Curve



# "FS PUMP" Self-priming Pump for Low Viscosity Oil



\* Must not be used for gasoline.



FS-24D

### Specifications

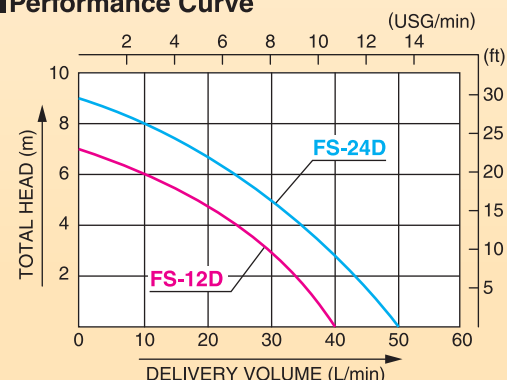
Model	FS-12D	FS-24D
Connection Dia	20 mm (3/4")	
Total Head	7 m (23 ft)	9 m (30 ft)
Delivery Volume	40 L/min (10 USG/min)	50 L/min (13 USG/min)
Voltage	DC 12 V	DC 24 V
Rated Current	15 A	8 A
Output	80 W	90 W
Revolution	7300 rpm	
Gross Weight	20 kg (44.1 lbs)	
Dimensions LxWxH (mm)	790 x 315 x 240	
Packing Unit	5	

## T-type Hose Set for FS Pumps

- Suction Dia: 20 mm (3/4") x 2 m (6.5 ft)
- Delivery Dia: 20 mm (3/4") x 2 m (6.5 ft)
- 1 Nozzle, 1 Strainer, 2 Joints



### Performance Curve



# "GEAR PUMPS"

## Suitable for Water, Oil & Various Liquids Applications



GB-13  
GC-13



GB-25  
GC-25

### Applications (GB)

- Water
- Sea water
- Weak acids
- Various chemicals
- Coal tar

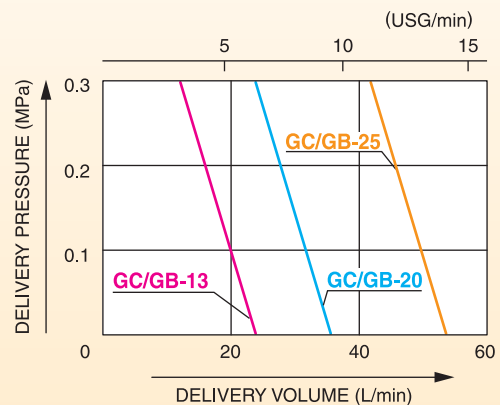


### Applications (GC)

- Kerosene
- Light oil
- Machine oil
- Heavy oil



### Performance Curve



### Specifications

Model	GC-13	GB-13	GC-20	GB-20	GC-25	GB-25
Gear Material	GC: Cast Iron / GB: Brass					
Connection Dia	13 mm (1/2")		20 mm (3/4")		25 mm (1")	
Delivery Volume	Revolution: 200 rpm	10 L/min (2 USG/min)	18 L/min ( 4 USG/min)	27 L/min ( 7 USG/min)	27 L/min ( 7 USG/min)	27 L/min ( 7 USG/min)
	Revolution: 400 rpm	21 L/min (5 USG/min)	37 L/min ( 9 USG/min)	55 L/min (14 USG/min)	55 L/min (14 USG/min)	55 L/min (14 USG/min)
	Revolution: 600 rpm	32 L/min (8 USG/min)	56 L/min (14 USG/min)	83 L/min (22 USG/min)	83 L/min (22 USG/min)	83 L/min (22 USG/min)
Delivery Pressure	0.1 – 0.3 MPa (1 – 3 kg/cm <sup>2</sup> )					
Syphoning Factor	3 m (10 ft)					
Power	200 W		400 W		750 W	
Pulley	125 × A1		150 × A1		200 × A1	
Gross Weight	17.5 kg (38.6 lbs)		25 kg (55.1 lbs)		22.5 kg (49.6 lbs)	
Dimensions L×W×H (mm)	316 × 283 × 211		492 × 262 × 194		397 × 277 × 265	
Packing Unit			4		2	