

ISO 90001 | ISO 140001



## HYOSUNG Offices in Asia



**HYOSUNG** HEAVY INDUSTRIES CORPORATION

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## HYOSUNG Electric Motors Lines



With Customers, With the World  
HYOSUNG IS YOUR TRUSTED PARTNER

**HYOSUNG** HEAVY INDUSTRIES

# HYOSUNG SUPREME MOTOR

## Reliability 1<sup>st</sup> Induction Motor

Hyosung Supreme Motor has the robust structure with high quality materials and durable bearings. Hyosung Supreme Motor can enhance the reliability of rotating machines and also save the maintenance cost.



### Korea's No.1 electric motor manufacturer

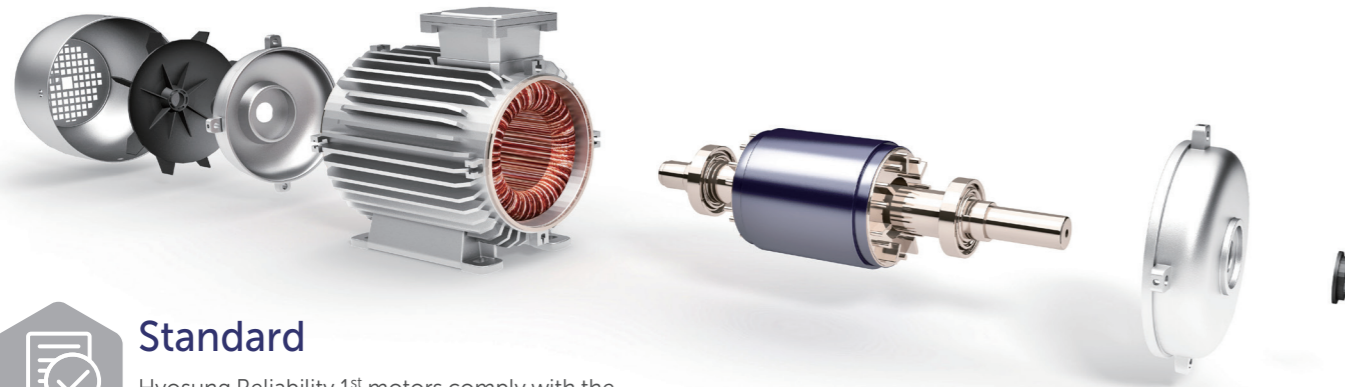
Hyosung is a professional manufacturer of electric motors, meeting IEC, NEMA, KS, and JIS standard. It has systemized manufacturing facilities to produce more than 40,000 units monthly such as low voltage to medium & high voltage, IE1 to IE4, explosion-proof, DC and synchronous motors, which are optimized for various purposes and customers.

Hyosung is also providing high-speed industrial generators, gears, geared motors and other industrial equipment. Hyosung's high-quality products are widely used in steel, oil & gas, cement, power, water treatment, agriculture, HVAC, and etc.

### Always by your side

Hyosung works in a variety of industrial and technology areas that make your lifestyle more convenient and more comfortable such as spandex, tire codes, ATM, films, plastic, power transmission. You may not know us, but we are always working for you.

## Special Features



**Standard**  
Hyosung Reliability 1<sup>st</sup> motors comply with the relevant parts of EN60034, IEC60072.

**High-quality Insulation**  
The Hyosung motors windings are rated to class F (155 °C) with a class B (130 °C) temperature rise. Hyosung Ultra Insulation® technology protects windings and extends the life of motors.

**Low Vibration**  
The combination of precision manufacturing, high-end components and quality control makes the low vibration.

**Water & Particle Proof**  
Hyosung enclosures that demonstrate almost complete protection from particles and a good level of protection against water.

**Robust Bearing**  
Hyosung only uses the world's leading bearing brand (Japanese, German) that can sustain some axial & radial loads to have lower friction, noise and vibration.

**Mounting**  
Foot Mounted(B3), Flange mounted(B5), Foot Mounted with Flange(B35) and other mounting can be supplied by optional requests.

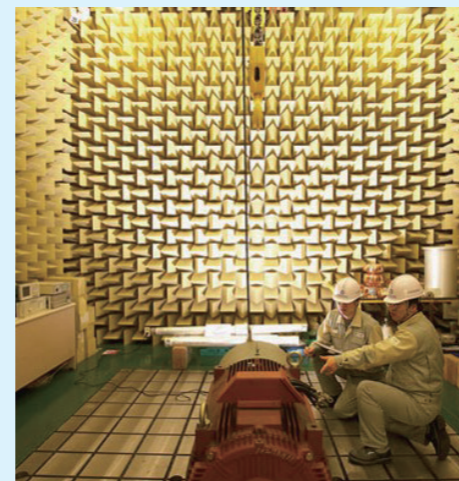
**Coating**  
Hyosung paint color for motors is Munsell No. 0.5PB 3.2/4.4. Castings are coated with quality primer and urethane top coat. The dry film thickness of top coat is approximately 100 µm.

## Technical Specification

Rated Power (kW)	Speed (RPM)	Frame Size	Rated Torque (Nm)	Rated Current (A)			Efficiency at Full load (%)	Power Factor	Starting Current (%FLC)	Starting Torque (%FLT)	Weight (kg, B3)
				380V	400V	415V					
0.75	2845	80M	2.6	1.9	1.9	1.8	73.1	80.0	870	240	17
	1430	80M	5.0	2.1	2.0	1.9	73.1	74.0	650	200	18
	940	90S	7.7	2.4	2.3	2.2	71.0	66.0	600	200	28
1.1	2825	80M	3.7	2.8	2.7	2.6	76.0	78.0	770	250	17
	1430	90S	7.4	2.8	2.7	2.6	76.0	78.0	650	180	28
	935	90L	11.3	3.0	2.9	2.8	73.9	75.0	500	140	28
1.5	2890	90S	5.0	3.5	3.3	3.2	78.2	84.0	900	270	27
	1430	90L	10.0	3.8	3.6	3.5	78.2	76.0	700	220	28
	965	100L	14.8	4.3	4.1	4.0	76.2	69.0	550	150	38
2.2	2860	90L	7.4	5.1	4.8	4.6	80.7	82.0	900	210	27
	1450	100L	14.5	5.1	4.9	4.7	80.7	81.0	700	210	38
	970	112M	21.7	6.1	5.8	5.6	78.7	70.0	610	150	45
3	2905	100L	9.9	6.4	6.0	5.8	82.5	87.0	800	190	38
	1450	100L	19.8	7.2	6.8	6.6	82.5	77.0	880	270	38
	975	132S	29.4	7.8	7.4	7.1	80.7	72.5	600	160	70
4	2905	112M	13.1	8.8	8.3	8.0	84.1	82.5	850	220	41
	1445	112M	26.5	8.8	8.4	8.1	84.1	82.0	670	180	45
	980	132M	39.0	10.0	9.5	9.2	82.4	73.5	650	160	82
5.5	2930	132S	18.0	12.0	11.4	11.0	85.7	81.0	885	250	63
	1465	132S	35.9	12.7	12.1	11.7	85.7	76.5	620	170	70
	975	132M	54.0	13.7	13.0	12.5	84.1	72.5	600	170	82
7.5	2880	132S	24.9	16.0	15.2	14.6	87.0	82.0	750	180	63
	1465	132M	49.0	16.9	16.1	15.5	87.0	77.5	600	170	82
	965	160M	74.3	19.0	18.0	17.4	85.7	70.0	550	160	127
11	2940	160M	35.7	22.7	21.6	20.8	88.6	83.0	600	200	124
	1470	160M	71.5	23.9	22.7	21.9	88.6	79.0	600	170	127
	960	160L	109.5	24.5	23.3	22.4	87.4	78.0	730	210	149
15	2940	160M	48.8	30.4	28.9	27.9	89.7	83.5	700	200	124
	1470	160L	97.5	31.8	30.2	29.1	89.7	80.0	600	170	149
	975	180L	147.2	33.8	32.1	31.0	88.7	76.0	700	150	222
18.5	2940	160L	90.1	38.0	36.1	34.8	90.3	82.0	700	220	137
	1470	180M	120.3	38.9	37.0	35.6	90.3	80.0	600	140	196
	970	180L	182.0	41.9	39.8	38.3	89.5	75.0	700	150	182
22	2950	180M	71.2	43.8	41.6	40.1	90.9	84.0	700	130	182
	1470	180L	143.0	45.7	43.4	41.8	90.9	80.5	600	140	222
	980	200L	214.3	50.6	48.1	46.4	89.2	74.0	800	180	295
30	2965	200L	96.6	59.0	56.0	54.0	92.0	84.0	750	150	280
	1470	200L	195.0	61.7	58.6	56.5	92.3	80.0	600	170	295
	980	225M	292.3	60.6	57.6	55.5	91.7	82.0	670	120	365
37	2960	200L	119.5	70.7	67.1	64.7	92.5	86.0	760	180	280
	1480	225S	238.9	73.1	69.4	66.9	92.7	83.0	630	140	365
	985	250M	358.9	76.2	72.4	69.8	92.2	80.0	700	160	550
45	2945	225M	146.0	81.8	77.7	74.9	92.9	90.0	780	150	365
	1485	225M	289.6	87.4	83.1	80.1	93.1	84.0	650	150	365
	990	280S	434.6	89.9	85.4	82.4	92.7	82.0	650	120	690
55	2970	250M	176.6	105.5	100.2	96.6	93.2	85.0	750	140	550
	1485	250M	353.8	106.4	101.1	97.4	93.5	84.0	700	150	550
	990	280M	530.7	108.1	102.7	99.0	93.1	83.0	620	115	810
75	2980	280S	240.3	140.4	133.4	128.6	93.8	86.5	650	180	690
	1480	280S	484.2	137.8	130.9	126.1	94.0	88.0	750	170	690
	980	315S	731.2	148.3	140.9	135.8	93.7	82.0	650	140	1090
90	2980	280M	289.0	165.1	156.9	151.2	94.1	88.0	750	180	810
	1480	280M	581.0	168.8	160.4	154.6	94.2	86.0	780	160	810
	985	315M	873.0	177.4	168.5	162.4	94.0	82.0	800	230	1090
110	2980	315S	353.1	201.4	191.3	184.4	94.3	88.0	750	200	1090
	1480	315S	710.1	203.3	193.1	186.1	94.5	87.0	780	160	1090
	995	315L	1056.5	203.9	193.7	186.7	95.1	86.2	950	100	1580
132	2975	315M	423.5	243.8	231.6	223.2	93.5	88.0	800	120	1090
	1480	315M	851.3	252.4	239.7	231.1	93.5	85.0	820	130	1090
	992	315L	1270.1	264.8	251.6	242.5	93.5	81.0	750	140	1580
160	2975	315L	513.8	281.8	267.7	258.0	94.8	91.0	780	160	1090
	1480	315L	1031.9	301.4	286.3	275.9	93.8	86.0	700	220	1580
	988	355M	1553.1	292.6	278.0	267.9	95.5	87.0	720	110	1620

## General Specifications

Item	Specification
Frame material	Cast Iron (Fan hood : Steel)
Enclosure	TEFC
Voltage	Up to 2.2kW : 220/240V(Δ), 380/415V(Y) From 3.0kW : 380/415V(Δ), 660/690(Y)
Frequency	50Hz
Insulation	Class F
Temperature rising	Class B
Bearing brand	NSK (Japan), FAG (Germany)
Re-greasing	From 200 Fr
Thermistors	80 to 355 Fr. with 3 X Thermistors (Optional)
Paint	Munsell 0.5PB 3.2/4.4



Motor dimension complies with IEC Standard.  
Hyosung will provide outline drawings based on requests or customers can download from [www.Hyosung-motor.com.vn](http://www.Hyosung-motor.com.vn)