

Standards

All Hyosung motors are designed and built to comply with major international standards: IEC, NEMA and EN to name a few. For compliance with other standards or technical specifications, please contact us directly.

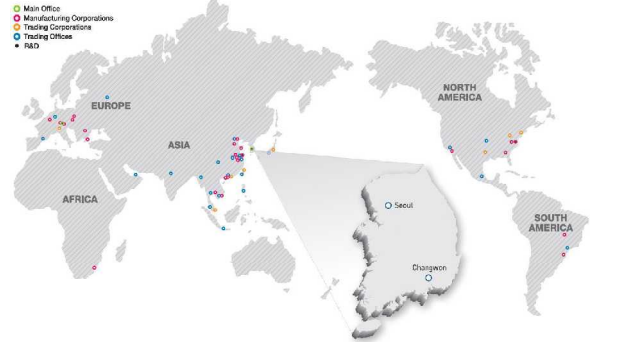


Quality Management

Hyosung controls design, manufacturing and test functions under one roof in Changwon Plant, South Korea, which has been fully accredited by DNV of the Netherlands for ISO 9001, ISO 14001 and OHSAS 18001.

Quality in Manufacturing

- Fully automated MV/HV winding taping process and winding spreading process for seamless insulation and sturdy structure
- Hyosung's own VPI system to ensure lasting insulation qualities
- Rigorous tests carried out in in-house testing facility with capacity to test up to 25MW, 13.8kV



INTRODUCTION TO HYOSUNG ELECTRIC MOTORS



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Global Top Energy, Machinery & Plant Solution Provider

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Explosion Proof Motors

Hyosung explosion-proof motors are designed so that potential dangers of explosions can be minimized while ensuring maximum safety for the environment. Motors can be designed in accordance with various types of protection and standards.

Certificates_ IECEx, ATEX, UL, CSA, GOST and KGS

Low Voltage Motors

Ex d/de

Ex nA

- Frame Size: 80M ~ 315M
- Voltage: Max. 690V
- Frequency: 50/60Hz
- Degree of Protection: IP55, 56
- Temperature Class: -15
- Gas Group: II&III

- Frame Size: 80M ~ 315L
- Voltage: Max. 690V
- Frequency: 50/60Hz
- Degree of Protection: IP55
- Temperature Class: -13

Medium & High Voltage Motors

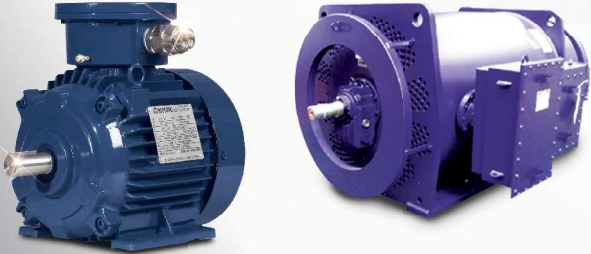
Ex d/de

Ex nA

- Frame Size: 315 ~ 630
- Voltage: Max. 13,800V
- Frequency: 50/60Hz
- Degree of Protection: IP55
- Temperature Class: -T4
- Gas Group: III

- Frame Size: 315 ~ 710
- Voltage: Max. 13,800V
- Frequency: 50/60Hz
- Degree of Protection: IP55
- Temperature Class: -T4

※ For other types of explosion proof motors, please contact us directly.



Medium & High Voltage Motors

Squirrel Cage Rotor

(Voltage:Max.13,800V, Frequency:50/60Hz, Insulation Class:F, H)

TEFC (Totally Enclosed Fan Cooled)



Output Range	Max. 2,350kW
Number of Poles	2~12
Degree of Protection	IP55

TEAAC (Totally Enclosed Air to Air Cooled)



Output Range	Max. 10,000kW
Number of Poles	2~36
Degree of Protection	IP55

TEWAC (Totally Enclosed Water to Air Cooled)



Output Range	Max. 20,000kW
Number of Poles	2~36
Degree of Protection	IP55

ODP (Open Drip-Proof)



Output Range	Max. 20,000kW
Number of Poles	2~36
Degree of Protection	IP22

WP I (Weather Protected Type I)



Output Range	Max. 20,000kW
Number of Poles	2~36
Degree of Protection	IP23

WP II (Weather Protected Type II)



Output Range	Max. 20,000kW
Number of Poles	2~36
Degree of Protection	IP24

Wound Rotor (Slip ring)

TEFC (Totally Enclosed Fan Cooled)



Output Range	Max. 900kW
Number of Poles	2~12
Degree of Protection	IP55

TEAAC (Totally Enclosed Air to Air Cooled)



Output Range	Max. 10,000kW
Number of Poles	2~36
Degree of Protection	IP55

TEWAC (Totally Enclosed Water to Air Cooled)



Output Range	Max. 20,000kW
Number of Poles	2~36
Degree of Protection	IP55

Low Voltage Motors

TEFC (Cast Iron Frame Motor)



Output Range	Max. 475kW
Voltage	Max. 900V
Frequency	50/60Hz
Number of Poles	2~8
Insulation Class	F, H

TEFC (Aluminum Frame Motor)



Output Range	Max. 725kW
Voltage	Max. 900V
Frequency	50/60Hz
Number of Poles	2~8
Degree of Protection	IP54, 55, 56
Insulation Class	F, H

Drip-Proof Motor



Output Range	Max. 220kW
Voltage	Max. 690V
Frequency	50/60Hz
Number of Poles	2~8
Degree of Protection	IP22, 23
Insulation Class	F, H

High Efficiency Motor (IE2 efficiency level)



Output Range	Max. 375kW
Voltage	Max. 900V
Frequency	50/60Hz
Number of Poles	2~6
Insulation Class	F, H
Efficiency	IE2 efficiency level

Inverter Duty Motor



Output Range	Max. 375kW
Voltage	Max. 440V
Frequency	50/60Hz
Number of Poles	4~8
Degree of Protection	IP54, 55, 56
Insulation Class	F, H

PM Motor



Output Range	Max. 180kW
Voltage	Max. 400V
Frequency	50/60Hz
Number of Poles	2~4
Insulation Class	F, H

TEFC Wound Rotor Motor



Output Range	Max. 280kW
Voltage	Max. 900V
Frequency	50/60Hz
Number of Poles	6~10
Degree of Protection	IP54, 55, 56
Insulation Class	F, H

DC Motor



Output Range	Max. 1,250kW
Voltage	220~815V
Frequency	50/60Hz
Insulation Class	F

Cooling Tower Motor



Output Range	Max. 220kW
Voltage	Max. 690V
Frequency	50/60Hz
Number of Poles	2~8
Degree of Protection	IP54, 55, 56
Insulation Class	F, H