

Close-coupled Pump JM/JP Motors



HD Hyundai Close-coupled Pump Motors offer reliable performance in harsh environments. These motors are designed and built specifically for commercial and industrial pump applications.

HD Hyundai Close-coupled motors are built in compliance with NEMA MG1-2024 Standards.

Key Features

Horse Power	Frame Sizes	Voltage	Enclosure
1~50HP	143~326	60Hz : 230/460V, 575V 50Hz : 380V, 400V, 415V	TEFC
Mounting	Insulation	Inverter Use	Certifications
Dual Hole Multi-mounting	Class F (Class H: Impregnation Resin & Magnet wire)	As per NEMA MG-1 Part 31	CSA, DOE, UL, CE, IEEE45

Applications

- Commercial and industrial pumps
- For pumps installed in harsh and dirty environment
- Variable speed drive applications
- Pump Impeller mounted directly onto motor shaft.

Standard Features

- Service Factor : 1.15 & B Temp. Rise for DOL, 1.0 & F Temp. Rise for Inverter
- Material : Cast Iron frame, end shield, and conduit box / Steel Fan Cover / Aluminum Die-cast rotor / AISI 1045 Shaft
- F1 gasketed box and cover (F2 Convertible)
- Regreasable ball bearing for frames 254 and up.
- Bearing Protection : V-Seals
- Hazardous : Class I, Div. 2, Groups A, B, C, D & Class II, Div.2, Groups E, F, G
- Bi-Directional Rotation
- Drain Plugs on both sides of Frame Bottom

Close-coupled Pump MOTOR (JM/JP)

Product Features (Basic)

Frame	143 - 326
HP	1 HP - 50 HP
Speed (RPM)	3600, 1800, 1200
Hz & Voltage (Dual Frequency Design)	60Hz : 230/460V, 575V ★ 50Hz : 380V, 400V & 415V
Mounting	★ C-face with foot(B35), Dual-drilled holes for multi-mounting capability
Enclosure / Protection	TEFC / IP55
Rotation	Bi-directional
Painting	Polyurethane top coat (Munsell 4.0PB5.4/5.5)
Ambient temperature	40°C
Insulation Class	★ F(Impregnation Resin & Magnet wire : Class H)

Product Features (Details)

Starting Method	Sine Wave Power	1.15 Service Factor & B Temp. rise	
	Inverter Duty 10:1 VT	1.0 Service Factor & F Temp. rise	
	Inverter Duty 20:1 VT (at 50% load)	1.0 Service Factor & F Temp. rise	
	Inverter Duty 10:1 CT	1.0 Service Factor & F Temp. rise	
	Inverter Duty 10:1 CT (1 Hour duty)	1.0 Service Factor & F Temp. rise	Fr. 254-326
	Inverter Duty 4:1 CT	1.0 Service Factor & F Temp. rise	Fr. 254-326
	Constant HP	CHP up to 1.5 times base speed	
	Material	Frame	Cast iron
Rotor		Aluminum die casting	
End-shield		Cast iron	
Fan		Non-sparking conductive plastic fan	
Fan cover		Steel	
Bearing	Drive end	Ball Bearing Regreasable (254-326)	
	Non-Drive end	Ball Bearing Regreasable (254-326)	
	Protection	V-seal	
	Lubrication	Polyrex EM Grease	
Shaft	Material	AISI1045	
	DE threaded hole	Applied	
	DE Keyway	Opened keyway	
Terminal box	Material	Cast Iron	
	Cable hole plug	Plastic	
Lead cable	Number of lead wire(s)	★ 9 Leads	Fr. 143-215
	Number of lead wire(s)	★ 12 Leads	Fr. 254-326
Drain Plug	Frame	Both sides of frame bottom	
	Box	None	
	Grease outlet	Applied (Fr. 254-326)	
Certification	CSA	Class I, Division 2, Groups A, B, C & D Class II, Division 2, Groups E, F & G Premium Efficiency (CSA C-390)	
	DOE	Department of Energy Efficiency Certification #CC038A	
	UL	Recognized Motor Components (E211828) Recognized Insulation Materials (E210479)	
	CE	CE Declaration of Conformity (EN 60034-1)	
	IEEE45	Marine Duty	
Name plate	Markings	★ CSA ,CC(DOE), UL Recognized, CE, IEEE 45	
	Material	Stainless Steel AISI304	

※ Note : Features marked with a star (★) are Key Features for JM/JP Motors.

EMPORIUM ENERGY, C.A.

Primer Distribuidor Autorizado de HD Hyundai Electric en Venezuela

CONTÁCTENOS

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