



HYUNDAI "SEVERE DUTY" LARGE FRAME MOTORS

Hyundai "Severe Duty" Large Frame Motors are designed for high reliability in severe industrial applications while delivering the performance and efficiency you demand.



- **Robust.** Drive-end roller bearing for heavy duty belt drive applications.
- **Durable.** 4140 high tensile strength steel shafts on L449T frame, 1800 and 1200 RPM motors.
- **Severe Duty.** Cast iron TEFC enclosure, IP55 degree of protection.
- **Sealed.** Metal, pressed-on slinger creates a labyrinth-type fit. No seals to tear or wear out.
- **Protected.** Frame mounted grounding pad with copper fixing plate.
- **Flexible.** Two heavy duty lifting lugs can be positioned at all four corners for greater flexibility.
- **In Stock Availability** with direct shipping from our distribution centers to your site or to a location of your choice.
- **Contact Us 24 x 7** for sales, application and technical support and service.



DRIVING & CONTROLLING

INDUSTRY

HYUNDAI "SEVERE DUTY"

LARGE FRAME MOTORS

HOW TO ORDER ...

Easy-to-understand model numbers make selection intuitive, with HP, RPM and frame size in the model number.

HP	RPM	Frame	Model Number	Notes
250	1200	L449T	HSDE250-12-L449T	R
300	3600	L449TS	HSDE300-36-L449TS	
300	1800	L449T	HSDE300-18-L449T	R
300	1800	L449T	HSDE300-18-L449T-IB	
300	1800	L449TBB	HSDE300-18-L449TBB	IB R
300	1200	L449T	HSDE300-12-L449T	R
300	1200	L449T	HSDE300-12-L449T-IB	IB R
350	3600	L449TS	HSDE350-36-L449TS	
350	1800	L449T	HSDE350-18-L449T	R
350	1800	L449TBB	HSDE350-18-L449TBB	
350	1200	5008	HSDE350-12-5008	R
350	1200	5008	HSDE350-12-5008-IB	IB R
400	3600	L449TS	HSDE400-36-L449TS	
400	3600	L449TS	HSDE400-36-L449TS-IB	IB
400	1800	L449T	HSDE400-18-L449T	R
400	1800	L449TBB	HSDE400-18-L449TBB	
400	1200	5010	HSDE400-12-5010	R
450	3600	5009S	HSDE450-36-5009S	
450	1800	5009	HSDE450-18-5009	R
450	1800	5009BB	HSDE450-18-5009BB	
450	1200	5011	HSDE450-12-5011	R
500	3600	5010S	HSDE500-36-5010S	W
500	1800	5010	HSDE500-18-5010	R W
500	1800	5010BB	HSDE500-18-5010BB	W
600	1800	5011	HSDE600-18-5011	R W
HP	RPM	Frame	Model Number	Notes

HSDE **400** **1800** **L449TBB**

Example Model Number : HSDE400-18-L449TBB
(400 HP, 1800 RPM, L449TBB Frame)

- IB Insulated opposite drive-end bearing installed
- R Roller bearing on drive-end for belted applications
- W Winding RTDs provided (two per phase)

TECHNICAL SPECIFICATIONS ...

Features

- TEFC severe duty cast iron enclosure
- Heavy gauge rolled steel fan cover
- Cast iron junction box
- IP55 degree of protection
- Class F insulation with Class N varnish
- Class B temperature rise
- 40°C ambient
- NEMA Design B
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- Ground lug in terminal box
- Cast iron inner bearing caps
- Double drilled feet

Ratings

- Premium efficiency
- 250-600 HP
- 3600, 1800 and 1200 RPM
- 1.15 service factor
(1.0 SF for 50 Hz applications)
- 460 volt, 60 Hz
- Inverter duty, 10:1 CT / 20:1 VT

Conformance

- CSA Certified for Class I, Division 2, Groups A, B, C, D
- Conforms to CE requirements
- DOE CC038A
- ABS Type Approved Product
- Marine Duty IEEE45



C US



CC038A

