



## Hyundai Crown Triton™ Severe Duty Large Frame Premium efficient severe duty large frame motors

Hyundai Electric is globally recognized as a premium brand due to the superior performance, rigorous quality standards, and notable longevity of their motors. The Hyundai Crown Triton™ Severe Duty Large Frame Motor is no exception. Designed to perform under both severe duty and general purpose applications, these premium efficient motors feature cast iron enclosures and conduit boxes, shaft slingers, and IP55 protection.

### Specifications

- Output: 250 – 800 HP
- Speed: 3600, 1800, 1200 RPM
- Voltage: 460 Volt
- Service Factor: 1.15 @ 40°C

### In-Stock and Ready to Ship

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$30 million of ready-to-ship inventory at six regional US warehouses, we're ready to assist you!

For more details, visit [wwec.co/HyundaiMotors](http://wwec.co/HyundaiMotors)

## Product Features

- Premium efficient
- Totally enclosed fan cooled (TEFC) enclosure
- IP55 Rating
- Rigid base
- Double Drilled Feet to Accommodate mounting flexibility
- 1.15 SF at 40°C
- Cast iron frame and conduit box
- Heavy gauge rolled steel fan cover
- Ground lug in terminal box
- Cast iron inner bearing caps
- Labyrinth type seals
- Class F insulation with Class N varnish
- NEMA design B up to 700 HP
- Class B temperature rise
- CSA certified for Class 1, Division 2, Groups A, B, C, D
- Inverter Duty, 10:1 VT at Full Load / 20:1 VT at 50% Load  
4:1 CT at Full Load / 10:1 CT for 1 Hour Cycle
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- IEEE-45 Marine Duty Rated up to 500 HP
- ABS Type Approval up to 600 HP
- Suitable for 50 Hz – 380V and 1.00 SF
- Bi-directional for 1800 and 1200 RPM Ratings
- Uni-Directional (CCW) for 3600 RPM Ratings, each motor is shipped with an extra fan for directional change

For more details, including full specifications, compliance, and all available models, visit [wwec.co/HyundaiMotors](http://wwec.co/HyundaiMotors)

## Model Number Selection

Each model number contains the product family, horsepower, RPM, and NEMA frame size.

<b>HSDE</b>	<b>600</b>	-	<b>36</b>	-	<b>5812</b>
Product Family	Horsepower		RPM/100		Frame

For example, "HSDE600-36-5812" is a 600 HP, 3600 RPM, 5812 Frame Hyundai Crown Triton Severe Duty Large Frame Motor.

## Available Models<sup>‡</sup>

Horsepower	RPM	Frame Size	Options
250	1200	L449T	BB
300	1800	L449TS	IB
350	3600	5008	R
400		5009	SH
450		5009S	W
500		5010	
600		5010S	
700		5011	
800		5812	

<sup>‡</sup>Not all combinations indicated by this table are possible. Please contact a representative or visit [worldwideelectric.net](http://worldwideelectric.net) for more information on available models.

## HSDE Motor Options

BB: Ball bearing on drive-end for direct coupled applications

IB: Insulated opposite drive-end bearing installed

R: Roller bearing on drive end for belted applications

SH: Space heater installed (120 V)

W: Winding RTDs provided (two per phase)

## Hyundai Low-Voltage Motors & Drives from WorldWide Electric

WorldWide Electric is the exclusive master distributor of Hyundai Electric low-voltage motors and drives in the United States.

WorldWide Electric's Hyundai offerings include:

- Hyundai Crown Triton™ Severe Duty Motors
- Hyundai Crown Triton™ Severe Duty Large Frame Motors
- Hyundai Crown Triton™ IEEE-841 Motors
- Hyundai Crown Triton™ Explosion Proof Motors
- Hyundai N700E Series Variable Frequency Drives
- Enclosed panels featuring the Hyundai N700E Drive



Hyundai Crown Triton™  
IEEE-841 Motor



Hyundai Crown Triton™  
Premium Efficiency Severe Duty



Hyundai N700E  
Variable Frequency Drives



Hyundai VFD Panel

HMDSLFD032020



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, and gear reducers as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from six regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.