

WORLDWIDE MOTOR CONTROLS Variable  
Frequency Drives  
Hyundai N700E Series High Performance Drives  
**MODEL: N700E-550LF**

CT (Constant Torque, Heavy Duty)	Rated Power	75 HP / 55 kW
	Rated Output Current (A)	211
Rated Input Voltage	Three Phase 200 ~240 VAC $\pm$ 10% 50/60 Hz $\pm$ 5%	
Rated Output Voltage	Three Phase 200 ~240 VAC (corresponding to input voltage)	
Ambient Temperature	-10 to 50°C (unit can be designed to function outside this range)	
Storage Temperature	-20 to 60°C	
Ambient Humidity	Below 90% RH	
Vibration	5.9N/s <sup>2</sup> (0.6G) 10 to 55Hz	
Location	Under 1000m above sea level, indoors, away from corrosive gasses, dust, etc.	



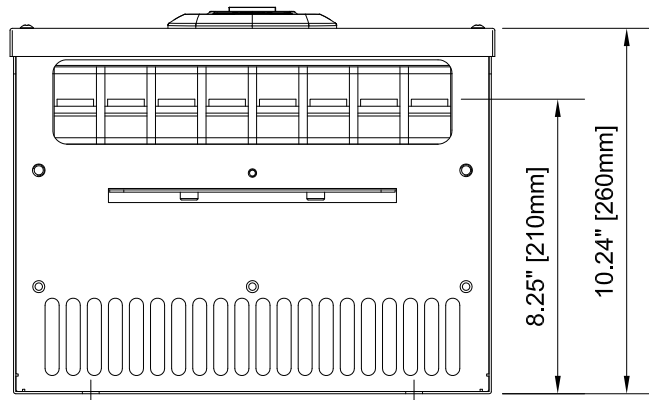
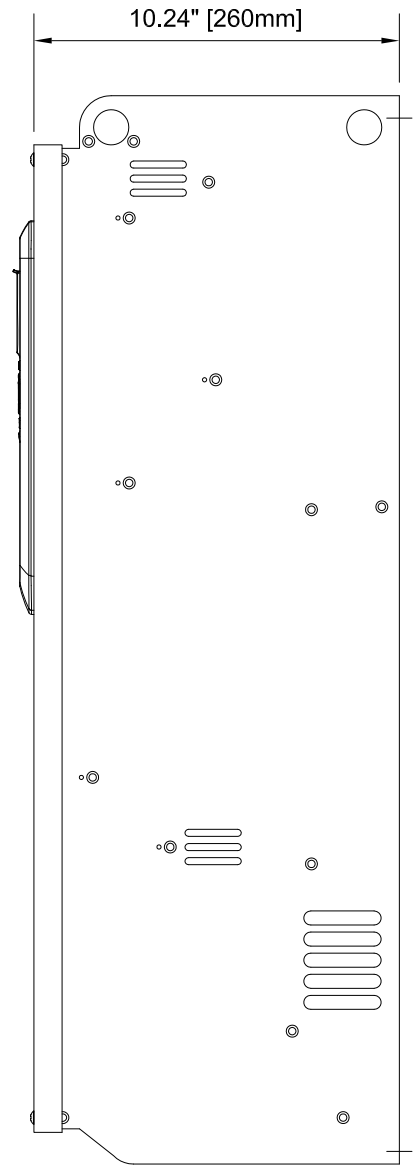
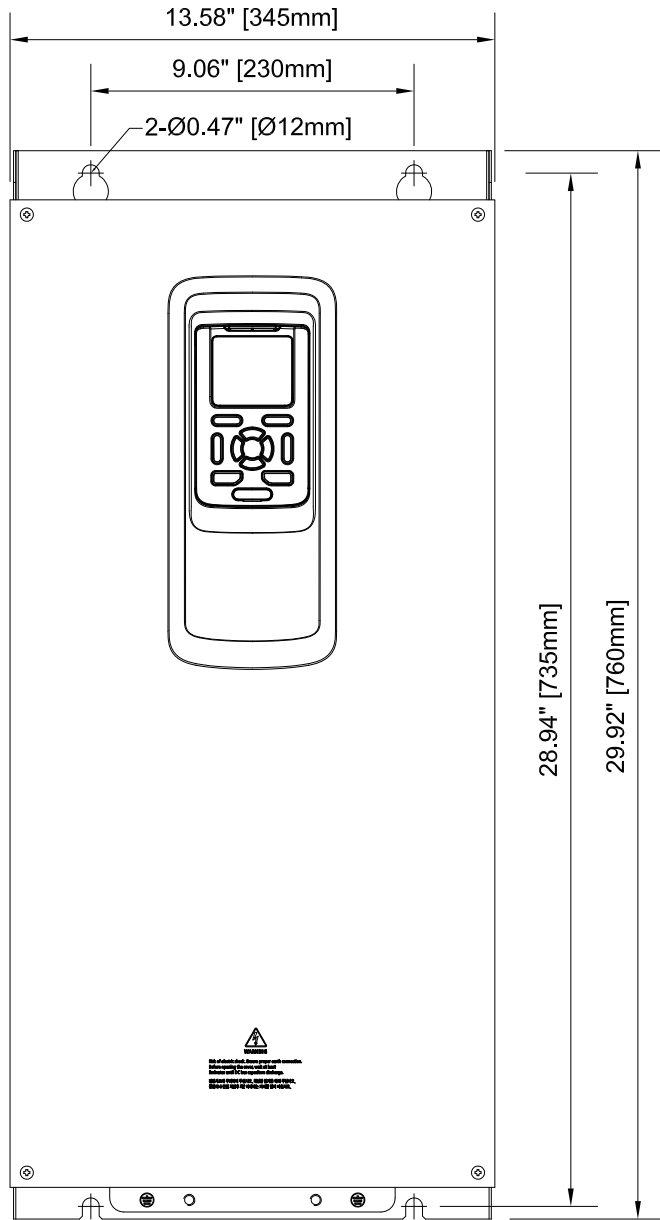
### General Product Specifications

- Sensorless Vector PWM Control Method with V/Hz and Sensorless Vector Control Options
- 0.01-400Hz Output Frequency Range
- Frequency Accuracy:  $\pm$  0.01% Digital Reference,  $\pm$  0.1% Analog Reference
- 0.1-3000 sec Accel/Decel with Selectable Profiles
- DC Injection Braking
- Built-in Dynamic Braking
- IP20 Enclosure Rating
- Heavy Duty: 150% Overload for One Minute, CT Applications
- Normal Duty: 120% Overload for One Minute, VT Applications
- Protective Functions, Including: Overcurrent, Electronic Thermal Overload, Inverter Overload, Braking Resistor Overload, Over-Voltage, Under-Voltage, Input Phase Loss, Output Short Circuit, Ground Fault, External Trips, Temperature Trip, Safety Function (option), Communication Error
- Auto Tuning
- PID Control, with Sleep and Wakeup Functions

And more! Consult your WWE Representative to discuss your application!

### Control I/O

Analog Inputs	2	Input voltage: 0-10VDC (Input impedance 10K $\Omega$ ) Input current: 4-20mA (Input impedance 250 $\Omega$ )
Digital Inputs	6	Intelligent Input Terminal Common I/O Commands: 2-Level Accel/Decel Command (2CH) Analog Input Voltage/Current Transferring (AT) External Trip (EXT) Forward Direction (FW) Free-run Stop (FRS) FW/RV (F/R) Jogging Run (JG) Local Keypad Operation (O/R) Local Terminal Input Operation (T/R) Multi-speed 1-4 (CF1-4) PID Disable (PIDD) PID Integral Reset (PIDIR) Remote UP/DOWN Reset (RS) Reverse Direction (RV) Soft Lock (SFT) Start (STA) Stop (STP) Unattended Start Protection (USP)
Analog Output	2	Output frequency, output current, and output voltage Voltage output DC 0-10V; Current output DC 4-20mA
Digital Outputs	3	1x-Form C relay (Rated AC 250V 2.5A, DC 30V 3.0A); 2x-Intelligent Relay: RUN (Run signal) FA1 [Frequency arrival signal (at the set frequency)] FA2 [Frequency arrival signal (at or above the set frequency)] OL (Overload advanced notice signal) OD (Output deviation of PID signal) AL (Alarm signal)



N700E-550LF: 200-240VAC +/- 10%  
 211A CONSTANT TORQUE  
 261A VARIABLE TORQUE

CHASSIS WEIGHT: 99.4LBS (45kg)



**WorldWide Electric Corporation**  
 3540 WINTON PLACE  
 ROCHESTER, NEW YORK 14623 USA  
 TOLL FREE: 1-800-808-2131

WWE-N700E  
 N700E-550LF  
 DIMENSIONS AND CAPACITIES

CLIENT INFORMATION, PROJECT / DRAWING NOTES:

ENGINEER	JSW	CREATED	20 OCT 16
DRAWN BY	JSW	SCALE	NTS
CHECKED BY	JS	SHEET	1 OF 1
DWG NO	WWE-N700E 01A		

NO.	DATE	REVISION	BY

THE DESIGN AND DATA INCLUDED ON THIS DRAWING IS THE PROPRIETARY INFORMATION OF WORLDWIDE ELECTRIC CORPORATION. REPRODUCTION AND USE OF THIS INFORMATION WITHOUT THE EXPRESS WRITTEN CONSENT OF WORLDWIDE ELECTRIC CORPORATION IS STRICTLY PROHIBITED.