



WORLDWIDE MOTOR CONTROLS
Variable Frequency Drives
Hyundai N700E Series High Performance Drives

MODEL: N700E-900HF

| | | |
|-----------------------------------|--|-----------------|
| CT (Constant Torque, Heavy Duty) | Rated Power | 125 HP / 90 kW |
| | Rated Output Current (A) | 176 |
| VT (Variable Torque, Normal Duty) | Rated Power | 150 HP / 110 kW |
| | Rated Output Current | 195 |
| Rated Input Voltage | Three Phase 380 ~480 VAC \pm 10% 50/60 Hz \pm 5% | |
| Rated Output Voltage | Three Phase 380 ~480 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 ² (0.6G) 10 to 55Hz | |
| Location | Under 1000m above sea level, indoors, away from corrosive gasses, dust, etc. | |



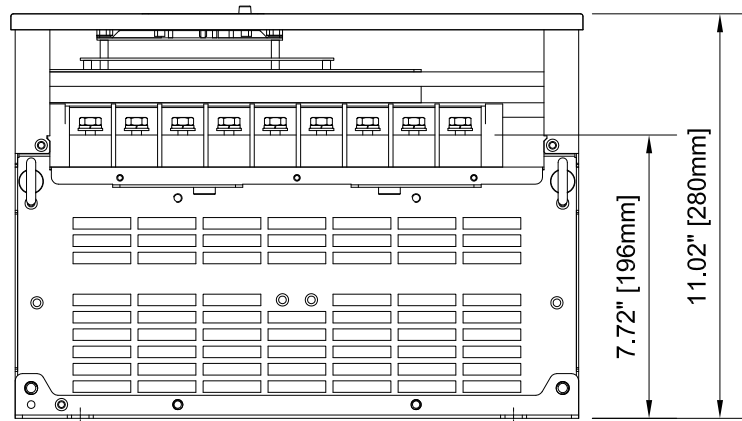
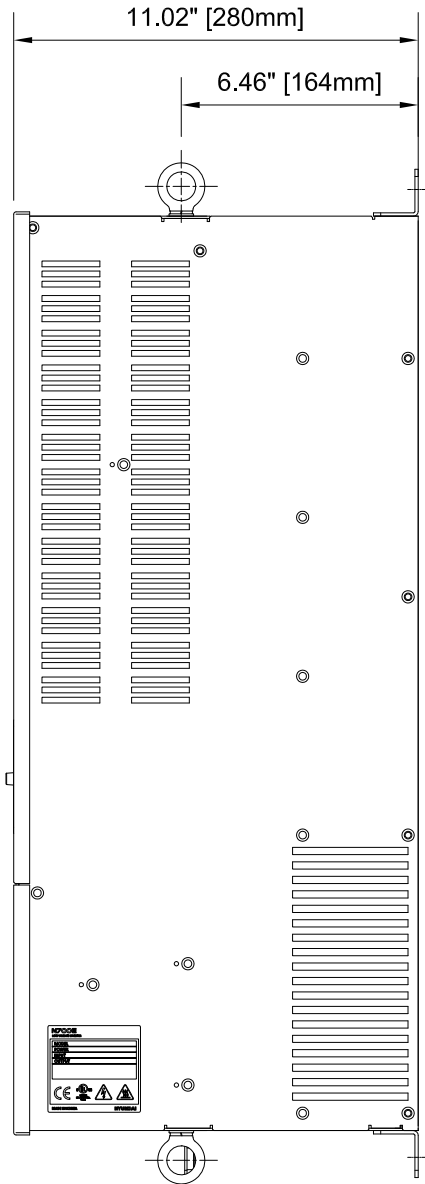
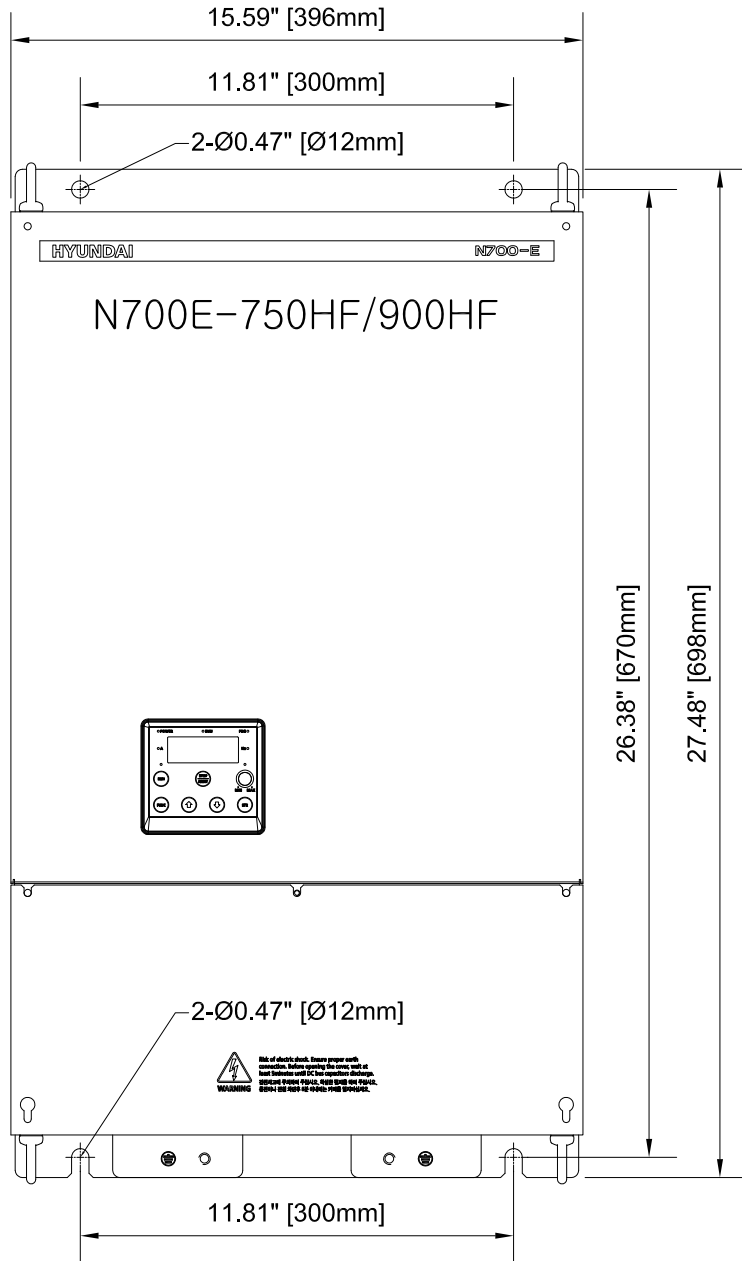
General Product Specifications

- 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
- Dynamic Braking with Option
- IP20 Enclosure Rating with CBOX Option
- 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 Ω) Input current: 4-20mA (Input impedance 250 Ω) |
| 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-900HF: 380-480VAC +/- 10%
 176A CONSTANT TORQUE
 195A VARIABLE TORQUE

CHASSIS WEIGHT: 110LBS (50kg)



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WWE-N700E
 N700E-900HF
 DIMENSIONS AND CAPACITIES

CLIENT INFORMATION, PROJECT / DRAWING NOTES:

| | | | |
|------------|---------------|---------|-----------|
| ENGINEER | JSW | CREATED | 04 DEC 14 |
| DRAWN BY | JSW | SCALE | NTS |
| CHECKED BY | JS | SHEET | 1 OF 1 |
| DWG NO | WWE-N700E 01A | | |

| NO. | DATE | REVISION | BY |
|-----|------|----------|----|
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