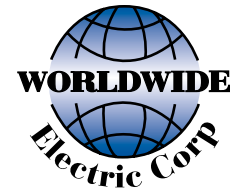


WORLDWIDE MOTOR CONTROLS

Variable Frequency Drives

HYUNDAI N700E Series High Performance Drives



Product Overview

The HYUNDAI N700E Series High Performance Drives offer powerful control solutions with exceptional speed control and torque response which provides superior vector performance.

The N700E's compact size and sensorless vector control technology provides perfectly optimized performance for industrial and commercial applications.

Certificates of international standards (UL/cUL, CE) for the N700E series make it perfect for global applications. Compatible with the most common loads such as: fans, blowers, compressors, pumps, mixers, agitators, feeders, centrifuges, cranes, hoists, presses, extruders, and textile spinning machines.

Product Specifications

- Sensorless Vector Control
- 0.01 - 400 Hz
- 150% overload for one minute, CT applications
120% overload for one minute, VT applications
- 3000 second accel/decel
- DC braking
- Auto-tuning
- Sixteen level multi-speed
- Adjustable carrier frequencies
- PID control
- Frequency jump
- Analog gain bias
- Jog run
- Electronic thermal overload
- Auto-torque boost, trip history monitor and software lock
- Speed search function
- Intelligent input function
- RS485 - Modbus communications

460 Volt, Three-Phase

Constant Torque 150% Overload		Variable Torque 120% Overload		Model Number	List Price	Dimensions (Inches) H x W x D	Approx. Wt. (lbs.)
HP	Rated Output Current	HP	Rated Output Current				
0.5	1.8	—	—	N700E-004HF	-	5.04 x 4.25 x 5.6	2.6
1	3.4	—	—	N700E-007HF	-	5.04 x 4.25 x 5.6	2.6
2	4.8	—	—	N700E-015HF	--	5.04 x 4.25 x 5.6	3.3
3	7.2	—	—	N700E-022HF	-	5.04 x 4.25 x 5.6	3.3
5	9.2	—	—	N700E-037HF	-	5.04 x 5.42 x 5.78	4.4
7.5	12	10	15	N700E-055HF	-	10.82 x 8.26 x 6.61	9.3
10	16	15	22	N700E-075HF	-	10.82 x 8.26 x 6.61	9.3
15	23	20	29	N700E-110HF	-	10.82 x 8.26 x 6.61	9.3
20	32	25	37	N700E-150HF	-	15.4 x 9.85 x 7.4	16
25	38	30	43	N700E-185HF	-	15.4 x 9.85 x 7.4	16
30	45	40	57	N700E-220HF	-	15.4 x 9.85 x 7.4	17
40	58	50	70	N700E-300HF	-	20.86 x 12.28 x 10.63	48
50	75	60	85	N700E-370HF	--	20.86 x 12.28 x 10.63	48
60	90	75	105	N700E-450HF	-	21.57 x 13.46 x 11.02	60
75	110	100	135	N700E-550HF	-	21.57 x 13.46 x 11.02	66
100	149	125	160	N700E-750HF	-	27.48 x 15.6 x 11.02	110
125	176	150	195	N700E-900HF	-	27.48 x 15.6 x 11.02	110
150	217	200	230	N700E-1100HF	-	29.13 x 18.89 x 11.81	132
200	260	250	285	N700E-1320HF	-	29.13 x 18.89 x 11.81	132
250	300	300	370	N700E-1600HF	-	36.22 x 19.92 x 15.35	242
300	415	350	450	N700E-2200HF	-	36.22 x 19.92 x 15.35	242
400	525	450	600	N700E-2800HF	-	40.15 x 31.73 x 15.55	375
500	656	550	680	N700E-3500HF	-	40.15 x 31.73 x 15.55	375

NOTES:

- All WorldWide Hyundai N700E drives can be used for single-phase input / three-phase output. Call for engineering assistance to size properly.
- Always check the motor full load amps prior to selecting the inverter.

