

Stock Cooling Tower Duty Motors

TEAO and TEFC Motors



Phase: Three

Speed Range: Inverter Duty 10:1 (6-60 Hz)
Speed Range Variable Torque

Insulation: Class F Insulation, 40°C Ambient

Enclosure: Totally Enclosed Air Over (TEAO)
Totally Enclosed Fan Cooled (TEFC)

Efficiency Level: Premium Efficient



Product Overview and Features

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

- INVERTER GRADE® Motors with Insulation that Exceeds the NEMA®† MG-1 Part 31 Standard
- Double Dip & Bake, 100% Solids, Polyester Insulation on Windings with Dolph treatment
- Cast Iron Frame
- Bearing Isolators on “wet” end for vertical mounting positions
- Double Sealed, same size bearings both ends

- Double Drilled Feet to Accommodate Mounting Flexibility
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA®† Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment



Stock Cooling Tower
Duty Motor

Option List Prices

Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Sizes				
	180	210	250	280	320
Space Heater	\$403	\$403	\$596	\$596	\$596
Thermistor	\$725	\$725	\$725	\$725	\$725
Shaft Grounding	\$867	\$933	\$983	\$1033	\$1167

NOW IN STOCK
at Nidec U.S. MOTORS®

Totally Enclosed Air Over (TEAO) INPRO/SEAL®† Drive End											
HP	RPM	Voltage	Frame	Catalog Number	List	Assembly Position	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps
2	1200	230/460	184	HVW2V3E6	\$1,454	W6	DS-3HTS	13.7	110	88.5	3.1/6.2
3	1800	230/460	182	HVW3V2E6	\$1,206	W6	DS-3HTS	13.7	100	89.5	3.9/7.9
3	1200	230/460	213	HVW3V3E6	\$2,138	W6	DS-3HTS	17.0	160	90.2	4.4/8.7
5	1800	230/460	184	HVW5V2E6	\$1,254	W6	DS-3HTS	13.7	110	89.5	6.3/12.5
5	1800	200	184	HVW5V2H6	\$1,254	W6	DS-3HTS	13.7	110	89.5	14
5	1200	230/460	215	HVW5V3E6	\$2,224	W6	DS-3HTS	17.0	175	90.2	7.0/14.0
7 1/2	1800	230/460	213	HVW7V2E6	\$1,691	W6	DS-3HTS	17.0	160	91.7	9.2/18.5
7 1/2	1800	200	213	HVW7V2H6	\$1,691	W6	DS-3HTS	17.0	160	91.7	21
7 1/2	1200	230/460	254	HVW7V3E6	\$3,049	W6	DS-3HTS	22.1	300	91.0	9.3/18.6
10	1800	230/460	215	HVW10V2E6	\$1,976	W6	DS-3HTS	17.0	175	91.7	11.9/23.8
10	1800	200	215	HVW10V2H6	\$1,976	W6	DS-3HTS	17.0	175	91.7	27
10	1200	230/460	256	HVW10V3E6	\$3,577	W6	DS-3HTS	22.1	340	91.7	12.3/24.5
15	1800	230/460	254	HVW15V2E6	\$2,814	W6	DS-3HTS	22.1	300	92.4	18.4/37.0
15	1800	200	254	HVW15V2H6	\$2,814	W6	DS-3HTS	22.1	300	92.4	42
15	1200	230/460	284	HVW15V3E6	\$5,105	W6	DS-3HTS	24.8	380	91.7	18.6/37.0
20	1800	230/460	256	HVW20V2E6	\$3,195	W6	DS-3HTS	22.1	340	93.0	23.7/47.0
20	1800	200	256	HVW20V2H6	\$3,195	W6	DS-3HTS	22.1	340	93.0	54
20	1200	230/460	286	HVW20V3E6	\$5,809	W6	DS-3HTS	24.8	410	91.7	24.4/49.0
25	1800	230/460	284	HVW25V2E6	\$4,322	W6	DS-3HTS	24.8	380	93.6	29.8/60.0
25	1200	230/460	324	HVW25V3E6	\$7,867	W6	DS-3HTS	27.3	600	93.0	29.3/59.0
30	1800	230/460	286	HVW30V2E6	\$4,551	W6	DS-3HTS	24.8	410	93.6	34.0/69.0
30	1200	230/460	286	HVW30V3B6	\$4,551	W6	DS-3HTS	24.8	410	93.6	34.0/69.0
40	1800	230/460	324	HVW40V2B6	\$5,747	W6	DS-3HTS	28.3	600	94.1	46.0/92.0
40	1200	230/460	364	HVW40V3E6	\$10,422	W6	DS-3HTS	29.4	740	94.1	46.0/93.0
50	1800	230/460	365	HVW50V2B6	\$6,661	W6	DS-3HTS	28.3	625	94.5	56.0/112.0
50	1200	230/460	365	HVW50V3E6	\$12,111	W6	DS-3HTS	29.4	910	94.1	58.0/116.0
60	1800	230/460	364	HVW60V2E6	\$8,855	W6	DS-3HTS	29.4	740	95.0	69/137
60	1200	230/460	404	HVW60V3E6	\$16,229	W6	DS-3HTS	33.9	1160	94.5	70/141
75	1800	230/460	365	HVW75V2E6	\$10,227	W6	DS-3HTS	29.4	910	95.4	84/169
75	1200	230/460	405	HVW75V3E6	\$18,766	W6	DS-3HTS	33.9	1180	94.5	87/174
100	1800	230/460	405	HVW100V2E6	\$15,250	W6	DS-3HTS	33.9	1180	95.4	113/225

W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

Option List Prices

Totally Enclosed Fan Cooled (TEFC) INPRO/SEAL ^{®†} Both Ends											
HP	RPM	Voltage	Frame	Catalog Number	List	Assembly Position	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps
2	1800	230/460	145	HW2V2E2	\$698	F2	DS-3HTS	13.0	70	86.5	2.8/5.7
2	1200	230/460	184	HW2V3E2	\$1,290	F2	DS-3HTS	15.5	110	88.5	3.1/6.2
3	1800	575	182	HW3V2G2	\$1,050	F2	DS-3HTS	15.5	100	89.5	3
3	1800	230/460	182	HW3V2E2	\$1,050	F2	DS-3HTS	15.5	100	89.5	3.9/7.9
3	1800	200	182	HW3V2H2	\$1,050	F2	DS-3HTS	15.5	100	89.5	9
3	1200	230/460	213	HW3V3E2	\$1,942	F2	DS-3HTS	19.2	160	90.2	4.4/8.7
5	1800	230/460	184	HW5V2E2	\$1,095	F2	DS-3HTS	15.5	110	89.5	6.3/12.5
5	1800	575	184	HW5V2G2	\$1,095	F2	DS-3HTS	15.5	110	89.5	5
5	1800	200	184	HW5V2H2	\$1,095	F2	DS-3HTS	15.5	110	89.5	14
5	1200	230/460	215	HW5V3E2	\$2,026	F2	DS-3HTS	19.2	175	90.2	7.0/14.0
7 1/2	1800	230/460	213	HW7V2E2	\$1,509	F2	DS-3HTS	19.2	160	91.7	9.3/18.6
7 1/2	1800	575	213	HW7V2G2	\$1,509	F2	DS-3HTS	19.2	160	91.7	8
7 1/2	1800	200	213	HW7V2H2	\$1,509	F2	DS-3HTS	19.2	160	91.7	21
7 1/2	1200	230/460	254	HW7V3E2	\$2,791	F2	DS-3HTS	25.3	300	91.0	9.3/18.6
10	1800	230/460	215	HW10V2E2	\$1,786	F2	DS-3HTS	19.2	175	91.7	11.9/23.8
10	1800	575	215	HW10V2G2	\$1,786	F2	DS-3HTS	19.2	175	91.7	10
10	1800	200	215	HW10V2H2	\$1,786	F2	DS-3HTS	19.2	175	91.7	27
10	1200	230/460	256	HW10V3E2	\$3,304	F2	DS-3HTS	25.3	340	91.7	12.3/24.5
15	1800	230/460	254	HW15V2E2	\$2,563	F2	DS-3HTS	25.3	300	92.4	18.4/37.0
15	1800	575	254	HW15V2G2	\$2,563	F2	DS-3HTS	25.3	300	92.4	15
15	1800	200	254	HW15V2H2	\$2,563	F2	DS-3HTS	25.3	300	92.4	42
20	1800	230/460	256	HW20V2E2	\$2,932	F2	DS-3HTS	25.3	340	93.0	23.7/47.0
20	1800	575	256	HW20V2G2	\$2,932	F2	DS-3HTS	25.3	340	93.0	19
20	1800	200	256	HW20V2H2	\$2,932	F2	DS-3HTS	25.3	340	93.0	54
25	1800	230/460	284	HW25V2E2	\$3,981	F2	DS-3HTS	27.0	380	93.6	29.8/60.0
25	1800	575	284	HW25V2G2	\$3,981	F2	DS-3HTS	27.0	380	93.6	23
25	1800	200	284	HW25V2H2	\$3,981	F2	DS-3HTS	27.0	380	93.6	67
30	1800	230/460	286	HW30V2E2	\$4,203	F2	DS-3HTS	27.0	440	93.6	34.0/69.0
30	1800	575	286	HW30V2G2	\$4,203	F2	DS-3HTS	27.0	440	93.6	28
40	1800	230/460	324	HW40V2E2	\$5,307	F2	DS-3HTS	30.6	600	94.1	46.0/92.0
40	1800	575	324	HW40V2G2	\$5,307	F2	DS-3HTS	30.6	600	94.1	37
50	1800	230/460	326	HW50V2E2	\$6,193	F2	DS-3HTS	30.6	625	94.5	56.0/112.0
50	1800	575	326	HW50V2G2	\$6,193	F2	DS-3HTS	30.6	625	94.5	45
60	1800	230/460	364	HW60V2E2	\$8,297	F2	DS-3HTS	33.0	740	95.0	69.0/137.0
60	1800	575	364	HW60V2G2	\$8,297	F2	DS-3HTS	33.0	740	95.0	55
75	1800	230/460	365	HW75V2E2	\$9,628	F2	DS-3HTS	33.0	910	95.4	84.0/169.0

W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.



† All marks shown within this document are properties of their respective owners.

Nidec Motor Corporation, © 2017; All Rights Reserved. U.S. MOTORS[®] is a registered trademark of Nidec Motor Corporation. Nidec Motor Corporation trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

8050 W. Florissant Avenue | St. Louis, MO 63136
Phone: 888-637-7333 | Fax: 866-422-7758