

# Stock Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

## APPLICATIONS:

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

## FEATURES:

- INVERTER GRADE® Motors with Insulation that Exceeds the NEMA®† MG-1 Part 31 Standard
- Double Dip & Bake, 100% Solids, Polyester Insulation on Windings
- Class F Insulation, 40°C Ambient
- 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
- Inverter Compatible: Exceeds NEMA®† MG-1 Part 31 (10:1 Variable Torque)
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives
- Refer to Page 69 for Minimum Air Velocity Requirements

## ORDERING INFORMATION:

Options below available from Southaven Distribution Center ONLY

**Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.**

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$322	\$403	\$403	\$596	\$596	\$596	\$596	\$693	\$693
Thermistor	\$725	\$725	\$725	\$725	\$725	\$725	\$725	\$725	\$725
Inpro Motor Grounding Seal	\$750	\$867	\$933	\$983	\$1033	\$1167	\$1217	\$1300	\$1550
TEFC W5 or W8 Mounting	\$89	\$125	\$137	\$174	\$221	\$281	\$310	\$419	\$478

## Totally Enclosed Air Over (TEAO)

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	1200	230/460	184	HVV2V3E6	\$1,454	W6	DS-3HTS	13.7	110	88.5	3.1/6.2	
3	1800	230/460	182	HVV3V2E6	\$1,206	W6	DS-3HTS	13.7	100	89.5	3.9/7.9	
	1200	230/460	213	HVV3V3E6	\$2,138	W6	DS-3HTS	17	160	90.2	4.4/8.7	
5	1800	200	184	HVV5V2H6	\$1,254	W6	DS-3HTS	13.7	110	89.5	14.4	
	1800	230/460	184	HVV5V2E6	\$1,254	W6	DS-3HTS	13.7	110	89.5	6.3/12.5	
	1200	230/460	215	HVV5V3E6	\$2,224	W6	DS-3HTS	17	175	90.2	7.0/14.0	
7.5	1800	200	213	HVV7V2H6	\$1,691	W6	DS-3HTS	17	160	91.7	21.1	
	1800	230/460	213	HVV7V2E6	\$1,691	W6	DS-3HTS	17	160	91.7	9.2/18.5	
	1200	230/460	254	HVV7V3E6	\$3,049	W6	DS-3HTS	22.1	300	91.0	9.3/18.6	
10	1800	200	215	HVV10V2H6	\$1,976	W6	DS-3HTS	17	175	91.7	27.3	
	1800	230/460	215	HVV10V2E6	\$1,976	W6	DS-3HTS	17	175	91.7	11.9/23.8	
	1200	230/460	256	HVV10V3E6	\$3,577	W6	DS-3HTS	22.1	340	91.7	12.3/24.5	
15	1800	200	254	HVV15V2H6	\$2,814	W6	DS-3HTS	22.1	300	92.4	42	
	1800	230/460	254	HVV15V2E6	\$2,814	W6	DS-3HTS	22.1	300	92.4	18.4/37.0	
	1200	230/460	284	HVV15V3E6	\$5,105	W6	DS-3HTS	24.8	380	91.7	18.6/37.0	
20	1800	200	256	HVV20V2H6	\$3,195	W6	DS-3HTS	22.1	340	93.0	54	
	1800	230/460	256	HVV20V2E6	\$3,195	W6	DS-3HTS	22.1	340	93.0	23.7/47.0	
	1200	230/460	286	HVV20V3E6	\$5,809	W6	DS-3HTS	24.8	410	91.7	24.4/49.0	
25	1800	230/460	284	HVV25V2E6	\$4,322	W6	DS-3HTS	24.8	380	93.6	29.8/60.0	
	1200	230/460	324	HVV25V3E6	\$7,867	W6	DS-3HTS	27.3	600	93.0	29.3/59.0	
30	1800	230/460	286	HVV30V2E6	\$4,551	W6	DS-3HTS	24.8	410	93.6	34.0/69.0	
	1200	230/460	326	HVV30V3E6	\$8,290	W6	DS-3HTS	27.3	625	93.0	35.0/70.0	
40	1800	230/460	324	HVV40V2E6	\$5,747	W6	DS-3HTS	27.3	600	94.1	46	
	1200	230/460	364	HVV40V3E6	\$10,422	W6	DS-3HTS	29.4	740	94.1	46.0/93.0	

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



# Stock Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

## Totally Enclosed Air Over (TEAO)

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
50	1800	230/460	326	HVW50V2E6	\$6,661	W6	DS-3HTS	27.3	625	94.5	56.0/112.0	
	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	
	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	
	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	

## Totally Enclosed Fan Cooled (TEFC)

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	1800	230/460	145	HW2V2E2	\$698	F2	DS-3HTS	13	70	86.5	2.8/5.7	
	1200	230/460	184	HW2V3E2	\$1,290	F2	DS-3HTS	15.5	110	88.5	3.1/6.2	
3	1800	200	182	HW3V2H2	\$1,050	F2	DS-3HTS	15.5	100	89.5	9.2	
	1800	230/460	182	HW3V2E2	\$1,050	F2	DS-3HTS	15.5	100	89.5	3.9/7.9	
	1800	575	182	HW3V2G2	\$1,050	F2	DS-3HTS	15.5	100	89.5	3.2	
	1200	230/460	213	HW3V3E2	\$1,942	F2	DS-3HTS	19.2	160	90.2	4.4/8.7	
5	1800	200	184	HW5V2H2	\$1,095	F2	DS-3HTS	15.5	110	89.5	14.4	
	1800	230/460	184	HW5V2E2	\$1,095	F2	DS-3HTS	15.5	110	89.5	6.3/12.5	
	1800	575	184	HW5V2G2	\$1,095	F2	DS-3HTS	15.5	110	89.5	5	
	1200	230/460	215	HW5V3E2	\$2,026	F2	DS-3HTS	19.2	175	90.2	7.0/14.0	
7.5	1800	200	213	HW7V2H2	\$1,509	F2	DS-3HTS	19.2	160	91.7	21.1	
	1800	230/460	213	HW7V2E2	\$1,509	F2	DS-3HTS	19.2	160	91.7	9.3/18.6	
	1800	575	213	HW7V2G2	\$1,509	F2	DS-3HTS	19.2	160	91.7	7.5	
	1200	230/460	254	HW7V3E2	\$2,791	F2	DS-3HTS	25.3	300	91.0	9.3/18.6	
10	1800	200	215	HW10V2H2	\$1,786	F2	DS-3HTS	19.2	175	91.7	27.3	
	1800	230/460	215	HW10V2E2	\$1,786	F2	DS-3HTS	19.2	175	91.7	11.9/23.8	
	1800	575	215	HW10V2G2	\$1,786	F2	DS-3HTS	19.2	175	91.7	9.6	
	1200	230/460	256	HW10V3E2	\$3,304	F2	DS-3HTS	25.3	340	91.7	12.3/24.5	
15	1800	200	254	HW15V2H2	\$2,563	F2	DS-3HTS	25.3	300	92.4	42	
	1800	230/460	254	HW15V2E2	\$2,563	F2	DS-3HTS	25.3	300	92.4	18.4/37.0	
	1800	575	254	HW15V2G2	\$2,563	F2	DS-3HTS	25.3	300	92.4	14.5	
20	1800	200	256	HW20V2H2	\$2,932	F2	DS-3HTS	25.3	340	93.0	54	
	1800	230/460	256	HW20V2E2	\$2,932	F2	DS-3HTS	25.3	340	93.0	23.7/47.0	
	1800	575	256	HW20V2G2	\$2,932	F2	DS-3HTS	25.3	340	93.0	19	
25	1800	200	284	HW25V2H2	\$3,981	F2	DS-3HTS	27	380	93.6	67	
	1800	230/460	284	HW25V2E2	\$3,981	F2	DS-3HTS	27	380	93.6	29.8/60.0	
	1800	575	284	HW25V2G2	\$3,981	F2	DS-3HTS	27	380	93.6	23.3	
30	1800	230/460	286	HW30V2E2	\$4,203	F2	DS-3HTS	27	440	93.6	34.0/69.0	
	1800	575	286	HW30V2G2	\$4,203	F2	DS-3HTS	27	440	93.6	27.6	
40	1800	230/460	324	HW40V2E2	\$5,307	F2	DS-3HTS	30.6	600	94.1	46.0/92.0	
	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	
	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	740	95.0	69.0/137.0	
	1800	575	364	HW60V2G2	\$8,297	F2	DS-3HTS	33	740	95.0	55	
75	1800	230/460	365	HW75V2E2	\$9,628	F2	DS-3HTS	33	910	95.4	84.0/169.0	

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

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GENERAL PURPOSE UNIMOUNT  
GENERAL PURPOSE STEEL EDGE™  
GENERAL PURPOSE HOSTILE DUTY  
GENERAL PURPOSE CORRO-DUTY™  
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GENERAL PURPOSE OPEN DRIPPROOF  
GENERAL PURPOSE HAZARDOUS LOCATION  
GENERAL PURPOSE AUTOMOTIVE DUTY  
COOLING TOWER DUTY  
HAZARDOUS LOCATION  
C-FACE MOTORS  
VARIABLE FREQUENCY