General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® NEMA®† Premium Efficient C-Face

APPLICATIONS:

For pulp & paper plants, saw mills, mines, foundries, chemical plants, waste management facilities, and other process-related industries requiring protection within harsh operating conditions.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets
- Stainless Steel Nameplate & Zinc Plated Hardware
- IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hz Sine Wave Power
- Regreasable Ball Bearings 250 Frame & Up, Lifting Provisions
- Double Shielded Bearings 140-360, Open On 400-440
- Pulley End Clamping Plate
- 1.25 Service Factor @ 60 Hz
- Suitable for 20:1 (3-60hz) Variable Torque; 4:1 (15-60hz) Constant Torque On Inverter Power
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits
- Self-Certified Class I, Division 2, Groups A, B, C, & D
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	230/460	143TC	HD1P2EC	$556	DS-3HDW	1.15	14.0	55	85.5	3.2/1.6	105,G
	1200	230/460	145TC	HD1P3EC	$683	DS-3HDW	1.15	14.0	70	82.5	3.7/1.8	105,G
1 1/2	3600	230/460	143TC	HD32P1EC	$608	DS-3HDW	1.25	14.0	50	84.0	3.9/1.9	105,G
	1800	230/460	145TC	HD32P2EC	$587	DS-3HDW	1.15	14.0	65	86.5	4.3/2.2	105,G
	1200	230/460	182TC	HD32P3EC	$792	DS-3HDW	1.15	17.1	90	87.5	4.5/2.2	105,G
2	3600	230/460	145TC	HD2P1EC	$628	DS-3HDW	1.15	14.0	50	85.5	5/2.5	105,G
	1800	230/460	145TC	HD2P2EC	$636	DS-3HDW	1.15	14.0	70	86.5	5.3/2.7	105,G
	1200	230/460	184TC	HD2P3EC	$885	DS-3HDW	1.15	17.1	110	88.5	6.2/3.1	105,G
3	3600	230/460	182TC	HD3P1EC	$749	DS-3HDW	1.15	17.1	80	86.5	8.2/4.1	105,G
	1800	230/460	182TC	HD3P2EC	$720	DS-3HDW	1.15	17.1	100	89.5	7.8/3.9	105,G
	1200	230/460	213TC	HD3P3EC	$1,095	DS-3HDW	1.15	20.4	170	89.5	8.6/4.3	105,G
5	3600	230/460	184TC	HD5P1EC	$864	DS-3HDW	1.15	17.1	90	88.5	12.3/6.1	105,G
	1800	230/460	184TC	HD5P2EC	$803	DS-3HDW	1.15	17.1	110	89.5	12.7/6.3	105,G
	1200	230/460	215TC	HD5P3EC	$1,339	DS-3HDW	1.15	20.4	180	89.5	15.2/14.2	105,G
7 1/2	3600	230/460	213TC	HD7P1EC	$1,110	DS-3HDW	1.15	20.4	130	89.5	18.5/9.2	105,G
	1800	230/460	213TC	HD7P2EC	$1,071	DS-3HDW	1.15	20.4	160	91.7	19.1/9.6	105,G
	1200	230/460	254TC	HD7P3EC	$1,804	DS-3HDW	1.15	25.4	250	91.0	18.8/9.4	105,G
10	3600	230/460	215TC	HD10P1EC	$1,269	DS-3HDW	1.25	20.4	150	90.2	23.6/11.8	105,G
	1800	230/460	215TC	HD10P2EC	$1,297	DS-3HDW	1.15	20.4	180	91.7	25.7/12.8	105,G
	1200	230/460	256TC	HD10P3EC	$2,111	DS-3HDW	1.15	25.4	270	91.0	24.9/12.4	105,G
15	3600	230/460	254TC	HD15P1EC	$1,743	DS-3HDW	1.15	25.4	255	91.0	39-35/17.5	105,G
	1800	230/460	254TC	HD15P2EC	$1,703	DS-3HDW	1.15	25.4	260	92.4	40-36/18	105,G
	1200	230/460	284TC	HD15P3EC	$2,858	DS-3HDW	1.15	27.5	330	91.7	37/18.5	02,105,G
20	3600	230/460	256TC	HD20P1EC	$2,119	DS-3HDW	1.15	25.4	285	91.0	51-46/22.9	105,G
	1800	230/460	256TC	HD20P2EC	$2,076	DS-3HDW	1.15	25.4	290	93.0	47/23.7	02,105,G
	1200	230/460	286TC	HD20P3EC	$3,444	DS-3HDW	1.15	27.5	370	91.7	49/24.4	105,G
25	3600	230/460	284TSC	HD25P1ESC	$2,611	DS-3HDW	1.15	26.1	320	91.7	58/28.8	105,G
	1800	230/460	284TC	HD25P2EC	$2,536	DS-3HDW	1.15	27.5	350	93.6	58/29.2	02,105,G
30	3600	230/460	286TSC	HD30P1ESC	$3,072	DS-3HDW	1.15	26.1	320	91.7	69/35	105,G
	1800	230/460	286TC	HD30P2EC	$2,955	DS-3HDW	1.15	27.5	360	93.6	70/35	02,105,G
40	1800	230/460	324TC	HD40P2EC	$3,569	DS-3HDW	1.15	30.1	470	94.1	92/46	02,105,G
	1800	230/460	324TSC	HD40P2ESC	$3,569	DS-3HDW	1.25	28.6	500	94.1	93.0/46.0	
50	1800	230/460	326TC	HD50P2EC	$4,334	DS-3HDW	1.15	30.1	570	94.5	112/56	02,105,G
	1800	230/460	326TSC	HD50P2ESC	$4,334	DS-3HDW	1.25	28.6	570	94.5	112.0/56.0	
60	1800	230/460	364TC	HD60P2EC	$6,124	DS-3HDW	1.15	32.3	660	95.0	137/68	02,105,G
75	1800	230/460	365TC	HD75P2EC	$7,340	DS-3HDW	1.15	32.3	720	95.4	170/85	02,105,G
100	1800	230/460	405TC	HD100P2EC	$9,491	DS-3HDW	1.15	37.7	1000	95.4	229/115	02,105,G

Note 02 Suitable for Wye-Delta start on voltages shown
Note 105 208 Volt Suitable

Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate