

# General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY® IEC, B5 (footless), IE3 Efficiency

## 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 50 Hertz Sine Wave Power
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets, Cast Iron Conduit Box
- Terminal Block in Conduit Box
- Stainless Steel (with CE Mark) Nameplate & Zinc Plated Hardware
- Shaft Seals For IP55 Protection
- Wye/Delta Dual Voltage 230/400 Volts
- 40°C Ambient
- IEC Design N
- Regreasable Ball Bearings 160 Frame & Up
- Horizontal and Vertical (shaft down) Lifting Provisions
- Self-Certified Zone 2, Groups IIA, IIB, IIC
- Div. 2, Class I Group A, B, C & D, Class II Group F
- T3 T-Code
- Double Shielded Bearings 90-225, Open On 250-280
- 1.0 Service Factor
- Steel Fan Cover
- Footless with B5 Flange
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, B14 Flanges, Canopy Kits
- Bearing Caps On 250-280
- Suitable for 20:1 Variable Torque; 2:1 Constant Torque On Inverter Power

KW(HP)	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"L" Dim. (mm)	Ship Wt. (kg)	Full Load Eff.	Full Load Amps	Notes
0.75 (1)	3000	230/400	90	MHD0075P1Y3001L	\$669	DS-3HDI	1.00	349	20	83.8	2.7 / 1.6	B5 (Footless Flanged)
0.75 (1)	1500	230/400	90	MHD0075P2Y3001L	\$634	DS-3HDI	1.00	349	30	82.5	2.9 / 1.7	B5 (Footless Flanged)
1.1 (1.5)	3000	230/400	90	MHD011P1Y3001L	\$689	DS-3HDI	1.00	349	20	83.0	4.0 / 2.3	B5 (Footless Flanged)
1.1 (1.5)	1500	230/400	90	MHD011P2Y3001L	\$667	DS-3HDI	1.00	349	30	84.2	4.1 / 2.4	B5 (Footless Flanged)
1.5 (2)	3000	230/400	90	MHD015P1Y3001L	\$710	DS-3HDI	1.00	349	30	84.2	5.2 / 3.0	B5 (Footless Flanged)
1.5 (2)	1500	230/400	90	MHD015P2Y3001L	\$718	DS-3HDI	1.00	349	30	85.3	5.5 / 3.2	B5 (Footless Flanged)
2.2 (3)	3000	230/400	90	MHD022P1Y3001L	\$840	DS-3HDI	1.00	349	30	86.1	7.3 / 4.2	B5 (Footless Flanged)
2.2 (3)	1500	230/400	112	MHD022P2Y3001L	\$863	DS-3HDI	1.00	405	40	86.7	8.0 / 4.6	B5 (Footless Flanged)
3 (4)	3000	230/400	112	MHD03P1Y3001L	\$1,037	DS-3HDI	1.00	405	40	87.1	10.7 / 6.2	B5 (Footless Flanged)
3 (4)	1500	230/400	112	MHD03P2Y3001L	\$963	DS-3HDI	1.00	405	50	87.1	10.7 / 6.2	B5 (Footless Flanged)
4 (5)	3000	230/400	112	MHD04P1Y3001L	\$1,303	DS-3HDI	1.00	405	50	88.1	13.4 / 7.7	B5 (Footless Flanged)
4 (5)	1500	230/400	112	MHD04P2Y3001L	\$1,257	DS-3HDI	1.00	425	50	88.6	14.4 / 8.3	B5 (Footless Flanged)
5.5 (7)	3000	230/400	132	MHD055P1Y3001L	\$1,393	DS-3HDI	1.00	493	60	89.2	18.2 / 10.5	B5 (Footless Flanged)
5.5 (7)	1500	230/400	132	MHD055P2Y3001L	\$1,347	DS-3HDI	1.00	493	80	89.6	19.0 / 10.9	B5 (Footless Flanged)
7.5 (10)	3000	230/400	132	MHD075P1Y3001L	\$1,586	DS-3HDI	1.00	493	70	90.1	24.6 / 14.2	B5 (Footless Flanged)
7.5 (10)	1500	230/400	132	MHD075P2Y3001L	\$1,619	DS-3HDI	1.00	531	90	90.4	25.3 / 14.6	B5 (Footless Flanged)
11 (15)	3000	230/400	160	MHD11P1Y3001L	\$2,171	DS-3HDI	1.00	642	110	91.2	36.0 / 20.7	B5 (Footless Flanged)
11 (15)	1500	230/400	160	MHD11P2Y3001L	\$2,123	DS-3HDI	1.00	642	120	91.4	37.0 / 21.1	B5 (Footless Flanged)
15 (20)	3000	230/400	160	MHD15P1Y3001L	\$2,625	DS-3HDI	1.00	642	130	91.9	46.0 / 26.6	B5 (Footless Flanged)
15 (20)	1500	230/400	160	MHD15P2Y3001L	\$2,573	DS-3HDI	1.00	642	150	92.1	49.0 / 28.3	B5 (Footless Flanged)
18.5 (25)	3000	230/400	160	MHD18P1Y3001L	\$2,724	DS-3HDI	1.00	642	150	92.4	56.0 / 32.0	B5 (Footless Flanged)
18.5 (25)	1500	230/400	180	MHD18P2Y3001L	\$3,053	DS-3HDI	1.00	691	160	92.6	60.0 / 35.0	B5 (Footless Flanged)
22 (30)	3000	230/400	180	MHD22P1Y3001L	\$3,626	DS-3HDI	1.00	691	160	92.7	67.0 / 39.0	B5 (Footless Flanged)
22 (30)	1500	230/400	180	MHD22P2Y3001L	\$3,559	DS-3HDI	1.00	691	180	93.3	71.0 / 41.0	B5 (Footless Flanged)
30 (40)	3000	230/400	200	MHD30P1Y3001L	\$4,344	DS-3HDI	1.00	742	230	93.3	92.0 / 53.0	B5 (Footless Flanged)
30 (40)	1500	230/400	200	MHD30P2Y3001L	\$4,224	DS-3HDI	1.00	742	250	93.6	94.0 / 54.0	B5 (Footless Flanged)
37 (50)	3000	230/400	200	MHD37P1Y3001L	\$5,686	DS-3HDI	1.00	742	240	93.7	114.0 / 66.0	B5 (Footless Flanged)
37 (50)	1500	230/400	225	MHD37P2Y3001L	\$5,224	DS-3HDI	1.00	810	300	93.9	118.0 / 68.0	B5 (Footless Flanged)
45 (60)	3000	230/400	225	MHD45P1Y3001L	\$7,183	DS-3HDI	1.00	781	300	94.0	134.0 / 77.0	B5 (Footless Flanged)
45 (60)	1500	230/400	225	MHD45P2Y3001L	\$7,119	DS-3HDI	1.00	810	310	94.2	141.0 / 81.0	B5 (Footless Flanged)
55 (75)	3000	230/400	250	MHD55P1Y3001L	\$9,349	DS-3HDI	1.00	911	420	94.3	167.0 / 96.0	B5 (Footless Flanged)
55 (75)	1500	230/400	250	MHD55P2Y3001L	\$8,707	DS-3HDI	1.00	911	420	94.6	171.0 / 98.0	B5 (Footless Flanged)
75 (100)	3000	400	280	MHD75P1T3001L	\$12,330	DS-3HDI	1.00	1051	700	94.8	131.0	B5 (Footless Flanged)
75 (100)	1500	400	280	MHD75P2T3001L	\$11,233	DS-3HDI	1.00	1051	700	95.0	135.0	B5 (Footless Flanged)
90 (125)	3000	400	280	MHD90P1T3001L	\$15,290	DS-3HDI	1.00	1051	700	95.0	153.0	B5 (Footless Flanged)
90 (125)	1500	400	280	MHD90P2T3001L	\$14,396	DS-3HDI	1.00	1051	700	95.2	158.0	B5 (Footless Flanged)

