

**Inverter,  
Three Phase,  
TEBC and TENV,  
C-Face,  
Foot Mounted**

**1/3 thru 200 Hp**

**NEMA 56C thru 447T**

**Applications:** Conveyors, pumps, fans, metal processing, compressors, test stands, and material handling equipment.

**Features:** Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Compatible with optional encoder feedback devices for use in closed loop velocity or position control. Meets NEMA MG 1, Part 31. Encoder has mating connector.



Hp	RPM	Max. RPM	NEMA Frame	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)		
1/3	1800	6000	56C	TENV	IDNM3534	436	E2	13.84	29	76	230/460	0.6	C	2, 8, 60		
1/2	1800	6000	56C	TENV	IDNM3538	510	E2	13.84	32	75.5	230/460	0.8	C	2, 8, 60		
3/4	1800	6000	56C	TENV	IDNM3542	568	E2	13.84	31	78.5	230/460	1.4	C	2, 8, 60		
1	1800	6000	143TC	TEBC	IDM3581T	1,531	E2	19.15	64	87.5	230/460	1.5	A	2, 8, 55, 70		
			143TC	TEBC	IDM3581T-5	1,531	E2	19.15	61	86.5	575	1.1	A	2, 8, 55, 70		
			143TC	TENV	IDNM3581T	1,159	E2	14.65	59	81.5	230/460	1.6	C	2, 8, 60		
1 1/2	1800	6000	145TC	TEBC	IDM3582T	1,798	E2	19.15	67	82.5	230/460	1.8	A	2, 8, 55, 70		
			145TC	TEBC	IDM3584T	1,619	E2	19.15	69	88.5	230/460	2.1	A	2, 8, 55, 70		
			145TC	TEBC	IDM3584T-5	1,619	E2	19.15	62	87.5	575	1.7	A	2, 8, 55, 70		
1 1/2	1200	2800	145TC	TENV	IDNM3584T	1,279	E2	14.65	57	84	230/460	2.3	C	2, 8, 60		
			182TC	TEBC	IDM3667T	2,022	E2	21.71	111	86.5	230/460	2.6	A	2, 8, 55, 70		
			145TC	TEBC	IDM3587T	1,731	E2	19.15	73	88.5	230/460	2.7	A	2, 8, 55, 70		
2	1800	6000	145TC	TEBC	IDM3587T-5	1,731	E2	19.15	71	86.5	575	2	A	2, 8, 55, 70		
			145TC	TENV	IDNM3587T	1,336	E2	14.65	64	84	230/460	2.7	C	2, 8, 60		
			182TC	TENV	IDNM3669T	1,551	E2	17.21	96	84	230/460	2.9	C	2, 8, 60		
2	1200	2800	184TC	TEBC	IDM3664T	2,077	E2	21.71	116	87.5	230/460	3.6	A	2, 8, 55, 70		
			184TC	TEBC	IDM3661T	2,212	E2	21.71	109	89.5	230/460	4	A	2, 8, 55, 70		
			184TC	TEBC	IDM3661T-5	2,212	E2	21.71	103	89.5	575	3.2	A	2, 8, 55, 70		
3	1800	6000	184TC	TENV	IDNM3661T	1,751	E2	17.21	105	88.5	230/460	4	C	2, 8, 60		
			213TC	TEBC	IDM3764T	2,717	E2	29.14	172	89.5	230/460	5	A	2, 8, 70		
			184TC	TEBC	IDM3665T	2,340	E2	21.71	120	90.2	230/460	6.5	A	2, 8, 55, 70		
5	1800	6000	184TC	TEBC	IDM3665T-5	2,340	E2	21.71	120	90.2	575	5.2	A	2, 8, 55, 70		
			184TC	TENV	IDNM3665T	1,953	E2	17.21	112	89.5	230/460	6.6	C	2, 8, 60		
			213TC	TENV	IDNM3767T	2,177	E2	20.40	166	89.5	230/460	6.7	C	2, 8, 60		
7 1/2	1800	4000	215TC	TEBC	IDM3768T	3,326	E2	29.14	200	88.5	230/460	8	A	2, 8, 70		
			213TC	TEBC	IDM3770T	2,821	E2	29.14	176	91.7	230/460	9.5	A	2, 8, 70		
			213TC	TEBC	IDM3770T-5	2,821	E2	30.07	185	91.7	575	7.5	A	2, 8, 70		
7 1/2	6000	213TC	TENV	IDNM3770T	2,260	E2	20.40	196	91.7	230/460	10.1	C	2, 8, 60			
			254TC	TENV	IDNM2237T	2,708	E2	24.05	238	90.2	230/460	9.1	C	2, 8, 60		
			254TC	TEBC	IDM2276T	4,782	E2	33.07	286	91.7	230/460	10.7	A	2, 8, 70		
10	1800	6000	215TC	TEBC	IDM3774T	3,022	E2	29.14	219	92.4	230/460	12.5	A	2, 8, 70		
			4000	215TC	TEBC	IDM3774T-5	3,022	E2	30.07	196	92.4	575	9.8	A	2, 8, 70	
			5000	256TC	TENV	IDNM2238T	2,833	E2	24.05	281	91.7	230/460	13	C	2, 8, 60	
15	1800	5000	256TC	TEBC	IDM2332T	5,842	E2	33.07	328	91.7	230/460	14.2	A	2, 8, 70		
			254TC	TENV	IDNM2333T	2,918	E2	24.05	286	94.1	230/460	18.5	C	2, 8, 60		
			256TC	TEBC	IDM2333T	3,285	E2	33.07	255	92.4	230/460	18.5	A	2, 8, 70		
20	1800	5000	256TC	TEBC	IDM2333T-5	3,285	E2	34.15	255	92.4	575	14.8	A	2, 8, 70		
			1200	4000	284T	TEBC	IDM4100T	6,926	E2	36.48	422	93	230/460	19.7	A	2, 8, 45, 70
			5000	256TC	TEBC	IDM2334T	3,509	E2	33.07	286	93	230/460	24	A	2, 8, 70	
20	1200	4000	256TC	TEBC	IDM2334T-5	3,509	E2	34.15	286	93	575	19	A	2, 8, 70		
			284T	TENV	IDNM2334T	4,032	E2	27.36	410	94.5	230/460	25.5	C	2, 8, 45, 60		
			286T	TEBC	IDM4102T	7,798	E2	36.48	451	93	230/460	26	A	2, 8, 45, 70		

(a) See notes on inside back flap.

Constant velocity fan: 115 volts, single phase from 143TC through 184TC and all 575 volt drive motors.

Constant velocity fan: 230/460, three phase from 213 TC through 447T.

May be converted to C-Face in Mod Express or built as custom motors.

Consult District Office for availability of 2 pole motors and C-Face motors for 284T through 5009L frames.

**1000:1 CONSTANT TORQUE SPEED RANGE**

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

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25	1800	4000	286T	TEBC	<b>IDM4103T</b>	4,327	E2	36.48	424	93.6	230/460	30	A	2, 8, 45, 70
	1200	3900	324T	TEBC	<b>IDM4111T</b>	8,887	E2	39.24	565	93	230/460	32	A	2, 8, 45, 70
30	1800	4000	286T	TEBC	<b>IDM4104T</b>	4,963	E2	36.48	455	94.1	230/460	36	A	2, 8, 45, 70
	1200	3900	326T	TEBC	<b>IDM4117T</b>	9,891	E2	39.24	596	93	230/460	38	A	2, 8, 45, 70
40	1800	3900	324T	TEBC	<b>IDM4110T</b>	6,712	E2	39.24	608	94.5	230/460	47	A	2, 8, 45, 70
50	1800	3900	326T	TEBC	<b>IDM4115T</b>	7,533	E2	39.24	632	94.5	230/460	57	A	2, 8, 45, 70
75	1200	2800	405T	TEBC	<b>IDM4404T</b>	17,902	E2	46.68	1165	95	230/460	88	A	2, 8, 45, 70
150	1800	2400	445T	TEBC	<b>IDM4406T-4</b>	23,285	E2	51.98	1630	95.8	460	173	A	2, 8, 45, 70

<sup>(a)</sup> See notes on inside back flap.

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