

V*S Master Inverter Duty® motors, three phase, totally enclosed

1/3 thru 300 Hp



Features:

- TENV, TEFC and TEBC, 1000:1CT
- Provisions for encoder mounting
- 3 thermostats, one per phase
- Standard NEMA frame sizes

Applications:

- Extruders, conveyors, crane and hoist, winders
- Web processing, process control, test stands
- Centrifugal pumps and fans

Hp	Base Speed RPM	C.H. Speed RPM	NEMA Frame	Enclosure	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	2700	56C	TENV	IDVSNM3534	VS4	13.84	32	80	230/460	0.6	2, 48
			56C	TENV	IDNM3534	VS4	13.84	33	80	230/460	0.6	2, 8, 60,106
1/2	1800	2700	56C	TENV	IDVSNM3538	VS4	13.84	35	84	230/460	0.9	2, 48
			56C	TENV	IDNM3538	VS4	13.84	31	80	230/460	0.8	2, 8, 60,106
3/4	1800	2700	56C	TENV	IDVSNM3538-5	VS4	13.84	31	84	575	0.6	2,48
			56C	TENV	IDVSNM3542	VS4	13.84	36	84	230/460	1.2	2, 48
			56C	TENV	IDNM3542	VS4	13.84	33	78.5	230/460	1.4	2, 8, 60,106
			56C	TENV	IDVSNM3542-5	VS4	13.84	35	84	575	0.9	2,48
1	1800	2700	56C	TENV	IDVSNM3546	VS4	14.84	45	87.5	230/460	1.5	2, 48
			56C	TENV	IDVSNM3546-5	VS4	14.84	45	87.5	575	1.2	2,48
			143TC	TENV	IDVSNM3581T	VS4	14.65	58	85.5	230/460	1.5	2, 48
			143TC	TENV	IDNM3581T	VS4	14.65	58	85.5	230/460	1.5	2, 8, 60,106
			143TC	TENV	IDVSNM3581T-5	VS4	14.65	58	85.5	575	1.2	2, 48
			143TC	TEBC	IDM3581T	VS2	19.00	65	87.5	230/460	1.5	2, 8,106
1 1/2	1800	2700	143TC	TEBC	IDM3581T-5	VS2	19.02	65	85.5	575	1.2	2, 8,106
			145TC	TENV	IDVSNM3582T	VS4	14.65	61	82.5	230/460	1.8	2, 48
			145TC	TEBC	IDM3582T	VS2	19.02	68	82.5	230/460	1.8	2, 8,106
			145TC	TENV	IDVSNM3584T-5	VS4	14.65	64	86.5	575	1.7	2, 48
			145TC	TENV	IDVSNM3584T	VS4	14.65	64	82.5	230/460	2.1	2, 48
			145TC	TENV	IDNM3584T	VS4	14.65	58	84	230/460	2.3	2, 8, 60,106
2	1800	2700	145TC	TEBC	IDM3584T-5	VS2	19.02	70	88.5	230/460	2.1	2, 8,106
			145TC	TEBC	IDM3584T-5	VS2	19.02	70	88.5	575	1.7	2, 8,106
			182TC	TEBC	IDM3667T	VS2	21.71	107	87.5	230/460	2.5	2, 8,106
			145TC	TENV	IDVSNM3587T-5	VS4	14.65	62	86.5	575	2.3	2, 48
			145TC	TENV	IDVSNM3587T	VS4	14.65	63	86.5	230/460	2.8	2, 48
			145TC	TEBC	IDM3587T	VS2	19.02	72	88.5	230/460	2.7	2, 8,106
3	1800	2700	145TC	TEBC	IDM3587T-5	VS2	19.02	73	88.5	575	2.3	2, 8,106
			145TC	TENV	IDNM3587T	VS4	14.65	67	86.5	230/460	2.8	2, 8, 60,106
			182TC	TENV	IDNM3669T	VS4	17.21	94	84	230/460	2.9	2, 8, 60,106
			184TC	TEBC	IDM3664T	VS2	21.71	124	88.5	230/460	3.2	2, 8,106
			182TC	TEFC	IDVSM3661T	VS3	20.23	105	89.5	230/460	4.1	2, 48
			182TC	TENV	IDVSNM3661T	VS4	17.85	111	89.5	230/460	4.3	2, 48
3	1800	2700	184TC	TEBC	IDM3661T	VS2	21.71	111	89.5	230/460	4.1	2, 8,106
			184TC	TEBC	IDM3661T-5	VS2	21.71	112	89.5	575	3.3	2, 8,106
			184TC	TENV	IDNM3661T-5	VS4	17.85	108	88.5	575	3.4	2,48
			184TC	TENV	IDNM3661T	VS4	17.21	108	88.5	230/460	4.2	2, 8, 60,106
1200	1800	213TC	TEBC	IDM3764T	VS2	29.14	187	90.2	230/460	4.5	2, 8, 70,106	

(a) See notes on inside back flap.

■ Cast iron frame

Continuous constant torque to zero speed

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Hp	Base Speed RPM	C.H. Speed RPM	NEMA Frame	Enclosure	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
5	1800	2700	L184TC	TEFC	IDVSM3665T	VS3	20.23	120	89.5	230/460	6.6	2, 48
			L184TC	TENV	IDVSNM3665T	VS4	17.85	124	89.5	230/460	6.6	2, 48
			184TC	TEFC	IDVSM3665T-5	VS3	20.23	118	90.2	575	5.2	2, 48
			184TC	TEBC	IDM3665T	VS2	21.71	124	90.2	230/460	6.5	2, 8, 106
			184TC	TEBC	IDM3665T-5	VS2	21.71	124	90.2	575	5.2	2, 8, 106
			184TC	TENV	IDNM3665T-5	VS4	17.21	116	89.5	575	5.2	2, 48
			184TC	TENV	IDNM3665T	VS4	17.21	116	89.5	230/460	6.6	2, 8, 60, 106
			213TC	TENV	IDNM3767T	VS4	20.40	170	89.5	230/460	6.7	2, 8, 60, 106
7 1/2	1800	2700	215TC	TEFC	IDM3768T	VS2	29.14	226	90.2	230/460	7.3	2, 8, 70, 106
			213TC	TEFC	IDVSM3770T	VS3	24.59	180	91.7	230/460	9.5	2, 48
			L215TC	TENV	IDVSNM2237T	VS4	20.86	212	91.7	230/460	10.1	2, 48
			213TC	TEBC	IDM3770T	VS2	29.14	170	91.7	230/460	9.5	2, 8, 70, 106
			213TC	TEBC	IDM3770T-5	VS2	30.07	170	91.7	575	7.5	2, 8, 70, 106
			215TC	TENV	IDVSNM2237T-5	VS4	20.46	196	91.7	575	8.2	2, 48
			254TC	TENV	IDNM2237T	VS4	24.05	242	90.2	230/460	9.1	2, 8, 60, 106
			213TC	TENV	IDNM3770T	VS4	20.40	196	91.7	230/460	10.1	2, 8, 60, 106
10	1800	2700	254TC	TEFC	IDM2276T	VS2	33.07	332	91	230/460	10.7	2, 8, 70, 106
			L215TC	TEFC	IDVSM3774T	VS3	24.59	231	92.4	230/460	12.5	2, 48
			254TC	TENV	IDVSNM2238T	VS4	24.05	305	91.7	230/460	13	2, 48
			215TC	TEBC	IDM3774T	VS2	29.14	231	92.4	230/460	12.5	2, 8, 70, 106
			215TC	TEBC	IDM3774T-5	VS2	30.07	231	92.4	575	10	2, 8, 70, 106
			215TC	TEFC	IDVSM3774T-5	VS3	24.59	231	92.4	575	10	2, 48
			256TC	TENV	IDNM2238T	VS4	24.05	286	91.7	230/460	13	2, 8, 60, 106
			256TC	TEBC	IDM2332T	VS2	33.07	352	91.7	230/460	14.2	2, 8, 70, 106
15	1800	2700	254TC	TEFC	IDVSM2333T	VS3	26.71	291	92.4	230/460	18	2, 48
			256TC	TENV	IDVSNM2333T	VS4	24.05	284	93.6	230/460	18.5	2, 48
			256TC	TEBC	IDM2333T	VS2	33.07	318	92.4	230/460	18.1	2, 8, 70, 106
			256TC	TEBC	IDM2333T-5	VS2	34.15	318	92.4	575	14.5	2, 8, 70, 106
			256TC	TENV	IDVSNM2333T-5	VS4	24.05	284	93.6	575	14.8	2, 48
			254TC	TENV	IDNM2333T	VS4	24.05	286	93.6	230/460	18.5	2, 8, 60, 106
			284T	TEBC	IDM4100T	VS2	36.48	450	93	230/460	19.7	2, 8, 45, 70, 106
			256TC	TEFC	IDVSM2334T	VS3	26.71	321	93	230/460	24	2, 48
20	1800	2700	256TC	TEBC	IDM2334T	VS2	33.07	333	93	230/460	24	2, 8, 70, 106
			256TC	TEBC	IDM2334T-5	VS2	34.15	333	93	575	19	2, 8, 70, 106
			256TC	TEFC	IDVSM2334T-5	VS3	26.71	321	93	575	19.2	2, 48
			284T	TENV	IDNM2334T	VS4	27.36	406	94.5	230/460	25.5	2, 8, 45, 60, 106
			286T	TEBC	IDM4102T	VS2	36.48	455	93	230/460	26	2, 8, 45, 70, 106
			284TC	TEFC	IDVSM4103T	VS3	30.42	446	93.6	230/460	30	2, 48
			286T	TEBC	IDM4103T	VS2	36.48	417	93.6	230/460	30	2, 8, 45, 70, 106
			324T	TEBC	IDM4111T	VS2	39.24	557	93	230/460	32	2, 8, 45, 70, 106
30	1800	2700	286TC	TEFC	IDVSM4104T	VS3	30.42	457	94.1	230/460	36	2, 48
			286T	TEBC	IDM4104T	VS2	36.48	464	93.6	230/460	38	2, 8, 45, 70, 106
			326T	TEBC	IDM4117T	VS2	39.24	628	93	230/460	39	2, 8, 45, 70, 106
			324T	TEFC	IDVSM4110T	VS3	30.44	619	94.1	230/460	50	2, 48
40	1800	2700	324T	TEBC	IDM4110T	VS2	39.24	605	94.5	230/460	47	2, 8, 45, 70, 106
			326T	TEFC	IDVSM4115T	VS3	30.28	670	94.5	230/460	60	2, 48
			326T	TEBC	IDM4115T	VS2	39.24	622	94.5	230/460	57	2, 8, 45, 70, 106
			364T	TEFC	IDVSM4314T	VS3	33.44	869	94.2	230/460	71.2	2, 48
75	1800	2700	365T	TEFC	IDVSM4316T	VS3	33.44	873	94.3	230/460	89.2	2, 48
100	1800	2700	405T	TEFC	IDVSM4400T-4	VS3	38.31	1218	94.1	460	115	2, 48
125	1800	2700	444T	TEFC	IDVSM4410T-4	VS3	44.62	1637	94.1	460	150	2, 48
150	1800	2700	445T	TEFC	IDVSM4406T-4	VS3	44.62	1789	95	460	177	2, 48
200	1800	2700	447T	TEFC	IDVSM4407T-4	VS3	48.40	2189	95.4	460	226	2, 48
250	1800	2700	449T	TEFC	IDVSM4408T-4	VS3	53.40	2511	95.8	460	277	2, 48
300	1800	2700	449T	TEFC	IDVSM44304T-4	VS3	53.40	2816	96.2	460	338	2, 48

(a) See notes on inside back flap.

Cast iron frame

Continuous constant torque to zero speed

Definite purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders