

ODP - ENCAPSULATED MULTIGUARD®



230/460 & 460 VOLTS • 3-PHASE
FOOT MOUNT, C-FACE & DOUBLE C-FACE/DOUBLE SHAFT
15 TO 250 HP

AC MOTORS

Features:

- Encapsulated Windings
- NEMA Design B performance
- Durable steel frame, cast iron end brackets
- Premium Class F Plus Insulation System
- Continuous Duty, 40°C ambient
- Reduced voltage start capability –
284T-405T: Y-delta start on either voltage
444T-445T: Y-delta start and part-winding start
- Warranty: 42 months from date of manufacture or 36 months from date of installation, whichever period expires first.
- Made in U.S.A.



Stator/frame assembly pictured – end brackets removed to show encapsulation.

Applications:

Multiguard motors utilize an ODP enclosure with a winding protection system unique to the motor industry. The windings are impregnated and encapsulated in a thermosetting, specially formulated polyester based resin using a high pressure injection-molding process. When compared to a standard ODP and in some cases TEFC, it performs better in applications involving moisture, vibration, dust and some chemical action.

FOOT MOUNT

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Approx Shpg Wght (lbs)
15	1200	284T	86.5	1.00	230/460	MD6S15T61	LM03614	280
	1200	284TS	86.5	1.00	230/460	MD6S15TS61	LM10636	280
20	1200	286T	84.0	1.00	230/460	MD6S20T61	LM03631	328
	1200	286TS	84.0	1.00	230/460	MD6S20TS61	LM10637	328
25	1800	284T	87.5	1.00	230/460	MD4S25T61	LM03618	296
	1800	284TS	87.5	1.00	230/460	MD4S25TS61	LM10638	296
	1200	324T	89.5	1.00	230/460	MD6S25T61	LM03665	422
	1200	324TS	89.5	1.00	230/460	MD6S25TS61	LM10639	422
30	3600	284T	82.5	1.00	230/460	MD2S30T61	LM03628	306
	3600	284TS	82.5	1.00	230/460	MD2S30TS61	LM03627	306
	1800	286T	87.5	1.00	230/460	MD4S30T61	LM03636	334
	1800	286TS	87.5	1.00	230/460	MD4S30TS61	LM03637	334
	1200	326T	89.5	1.00	230/460	MD6S30T61	LM03865	482
	1200	326TS	89.5	1.00	230/460	MD6S30TS61	LM10640	482
40	3600	286T	84.0	1.00	230/460	MD2S40T61	LM03651	350
	3600	286TS	84.0	1.00	230/460	MD2S40TS61	LM03650	350
	1800	324T	90.2	1.00	230/460	MD4S40T61	LM03669	420
	1800	324TS	90.2	1.00	230/460	MD4S40TS61	LM03670	420
	1200	364T	91.7	1.00	230/460	MD6S40T61	LM03703	655
	1200	364TS	91.7	1.00	230/460	MD6S40TS61	LM10641	655
50	3600	324T	86.5	1.00	230/460	MD2S50T61	LM03682	425
	3600	324TS	86.5	1.00	230/460	MD2S50TS61	LM03681	425
	1800	326T	91.7	1.00	230/460	MD4S50T61	LM03683	476
	1800	326TS	91.7	1.00	230/460	MD4S50TS61	LM03684	476
	1200	365T	91.7	1.00	230/460	MD6S50T61	LM03720	690
	1200	365TS	91.7	1.00	230/460	MD6S50TS61	LM10642	690
60	3600	326T	87.5	1.00	230/460	MD2S60T61	LM03692	484
	3600	326TS	87.5	1.00	230/460	MD2S60TS61	LM03691	484
	1800	364T	92.4	1.00	230/460	MD4S60T61	LM03709	627
	1800	364TS	92.4	1.00	230/460	MD4S60TS61	LM03708	627
	1200	404T	92.4	1.00	230/460	MD6S60T61	LM03785	855
	1200	404TS	92.4	1.00	230/460	MD6S60TS61	LM10643	855

Product numbers in red are STOCK items.



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FOOT MOUNT (cont'd)

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Approx Shpg Wght (lbs)
75	3600	364T	88.5	1.00	230/460	MD2S75T61	LM03719	644
	3600	364TS	88.5	1.00	230/460	MD2S75TS61	LM03718	644
	1800	365T	91.7	1.00	230/460	MD4S75T61	LM03729	697
	1800	365TS	91.7	1.00	230/460	MD4S75TS61	LM03728	697
	1200	405T	92.4	1.00	230/460	MD6S75T61	LM03799	948
	1200	405TS	92.4	1.00	230/460	MD6S75TS61	LM03800	948
100	3600	365T	88.5	1.00	230/460	MD2S100T61	LM03740	712
	3600	365TS	88.5	1.00	230/460	MD2S100TS61	LM03739	712
	1800	404T	93.0	1.00	230/460	MD4S100T61	LM03791	865
	1800	404TS	93.0	1.00	230/460	MD4S100TS61	LM03790	865
	1200	444T	94.1	1.00	460	MD6S100T64PY	LM03752	1,213
	1200	444TS	94.1	1.00	460	MD6S100TS64PY	LM03753	1,213
125	3600	404T	89.5	1.00	230/460	MD2S125T61	LM10644	875
	3600	404TS	89.5	1.00	230/460	MD2S125TS61	LM03797	875
	1800	405T	93.0	1.00	230/460	MD4S125T61	LM03809	972
	1800	405TS	93.0	1.00	230/460	MD4S125TS61	LM03808	972
	1200	445T	94.1	1.00	460	MD6S125T64PY	LM03768	1,377
	1200	445TS	94.1	1.00	460	MD6S125TS64PY	LM10645	1,377
150	3600	405T	89.5	1.00	230/460	MD2S150T61	LM03816	978
	3600	405TS	89.5	1.00	230/460	MD2S150TS61	LM03815	978
	1800	444T	93.6	1.00	460	MD4S150T64PY	LM03761	1,230
	1800	444TS	93.6	1.00	460	MD4S150TS64PY	LM03760	1,230
	200	445T	94.5	1.00	460	MD4S200T64PY	LM03773	1,440
	1800	445TS	94.5	1.00	460	MD4S200TS64PY	LM03772	1,440
250	1800	445T	93.6	1.00	460	MD4S250T64PY	LM03780	1,500
	1800	445TS	93.6	1.00	460	MD4S250TS64PY	LM03779	1,500

C-FACE WITH FEET

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Approx Shpg Wght (lbs)
15	1200	284TC	86.5	1.00	230/460	MD6S15TC61	LM03616	287
	1200	284TSC	86.5	1.00	230/460	MD6S15TSC61	LM03615	287
20	1200	286TC	84.0	1.00	230/460	MD6S20TC61	LM03633	335
	1200	286TSC	84.0	1.00	230/460	MD6S20TSC61	LM03632	335
25	1800	284TC	87.5	1.00	230/460	MD4S25TC61	LM03623	303
	1800	284TSC	87.5	1.00	230/460	MD4S25TSC61	LM03619	303
	1200	324TC	89.5	1.00	230/460	MD6S25TC61	LM03666	432
30	1800	286TC	87.5	1.00	230/460	MD4S30TC61	LM03643	343
	1800	286TSC	87.5	1.00	230/460	MD4S30TSC61	LM03639	343
	1200	326TC	89.5	1.00	230/460	SE6S30TC61	LM20488	482
40	1800	324TC	90.2	1.00	230/460	MD4S40TC61	LM03673	439
	1800	324TSC	90.2	1.00	230/460	MD4S40TSC61	LM03671	439
	1200	364TC	91.7	1.00	230/460	MD6S40TC61	LM03705	667
50	1800	326TC	91.7	1.00	230/460	MD4S50TC61	LM03686	486
	1800	326TSC	91.7	1.00	230/460	MD4S50TSC61	LM03685	486
	1200	365TC	91.7	1.00	230/460	MD6S50TC61	LM03724	702
60	1800	364TC	92.4	1.00	230/460	MD4S60TC61	LM03711	639
	1800	364TSC	92.4	1.00	230/460	MD4S60TSC61	LM03713	639
75	1800	365TC	91.7	1.00	230/460	MD4S75TC61	LM03730	709
	1800	365TSC	91.7	1.00	230/460	MD4S75TSC61	LM03733	709
	1200	405TC	92.4	1.00	230/460	MD6S75TC61	LM03804	964
100	1800	404TC	93.0	1.00	230/460	MD4S100TC61	LM03792	881
	1800	404TSC	93.0	1.00	230/460	MD4S100TSC61	LM03794	881
	1200	444TSC	94.1	1.00	460	MD6S100TSC64PY	LM03755	1234

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HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Approx Shpg Wght (lbs)
125	1800	405TC	93.0	1.00	230/460	MD4S125TC61	LM03810	988
	1800	405TSC	93.0	1.00	230/460	MD4S125TSC61	LM03812	988
	1200	445TSC	94.1	1.00	460	MD6S125TSC64PY	LM03770	1398
150	1800	444TSC	93.6	1.00	460	MD4S150TSC64PY	LM03763	1251
200	1800	445TSC	94.5	1.00	460	MD4S200TSC64PY	LM03776	1435
250	1800	445TSC	93.6	1.00	460	SE4S250TSC64PY	LM16564	1600

DOUBLE C-FACE/DOUBLE SHAFT

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Approx Shpg Wght (lbs)
15	1200	284TC	86.5	1.00	230/460	MD6S15TCTMC61	LM10725	295
	1200	284TSC	86.5	1.00	230/460	MD6S15TSTSC61	LM10726	295
20	1200	286TC	84.0	1.00	230/460	MD6S20TCTMC61	LM10727	342
	1200	286TSC	84.0	1.00	230/460	MD6S20TSTSC61	LM03634	342
25	1800	284TC	87.5	1.00	230/460	MD4S25TCTMC61	LM03624	310
	1800	284TSC	87.5	1.00	230/460	MD4S25TSTSC61	LM03625	310
	1200	324TC	89.5	1.00	230/460	MD6S25TCTMC61	LM03667	442
	1200	324TSC	89.5	1.00	230/460	MD6S25TSTSC61	LM03668	442
30	1800	286TC	87.5	1.00	230/460	MD4S30TCTMC61	LM03644	348
	1800	286TSC	87.5	1.00	230/460	MD4S30TSTSC61	LM03645	348
	1200	326TC	89.5	1.00	230/460	MD6S30TCTMC61	LM10730	502
	1200	326TSC	89.5	1.00	230/460	MD6S30TSTSC61	LM03866	502
40	1800	324TC	90.2	1.00	230/460	MD4S40TCTMC61	LM03674	440
	1800	324TSC	90.2	1.00	230/460	MD4S40TSTSC61	LM03675	440
	1200	364TC	91.7	1.00	230/460	MD6S40TCTMC61	LM03706	679
	1200	364TSC	91.7	1.00	230/460	MD6S40TSTSC61	LM03707	679
50	1800	326TC	91.7	1.00	230/460	MD4S50TCTMC61	LM03687	496
	1800	326TSC	91.7	1.00	230/460	MD4S50TST61Y	LM27884	496
	1200	365TC	91.7	1.00	230/460	MD6S50TCTMC61	LM03725	714
	1200	365TSC	91.7	1.00	230/460	MD6S50TSTSC61	LM03726	714
60	1800	364TC	92.4	1.00	230/460	MD4S60TCTMC61	LM03714	651
	1800	364TSC	92.4	1.00	230/460	MD4S60TSTSC61	LM03715	651
	1200	404TC	92.4	1.00	230/460	MD6S60TCTMC61	LM03787	887
	1200	404TSC	92.4	1.00	230/460	MD6S60TSTSC61	LM03788	887
75	1800	365TC	91.7	1.00	230/460	MD4S75TCTMC61	LM03735	721
	1800	365TSC	91.7	1.00	230/460	MD4S75TSTSC61	LM03736	721
	1200	405TC	92.4	1.00	230/460	MD6S75TCTMC61	LM03805	980
	1200	405TSC	92.4	1.00	230/460	MD6S75TSTSC61	LM03806	980
100	1800	404TC	93.0	1.00	230/460	MD4S100TCTMC61	LM10741	897
	1800	404TSC	93.0	1.00	230/460	MD4S100TSTSC61	LM03795	897
	1200	444TC	94.1	1.00	460	MD6S100TCTMC64PY	LM03757	1234
	1200	444TSC	94.1	1.00	460	MD6S100TSTSC64PY	LM03758	1234
125	1800	405TC	93.0	1.00	230/460	SE4S125TCTMC61	LM10744	1004
	1800	405TSC	93.0	1.00	230/460	MD4S125TSTSC61	LM03813	1004
	1200	445TC	94.1	1.00	460	MD6S125TCTMC64PY	LM10745	1419
	1200	445TSC	94.1	1.00	460	MD6S125TSTSC64PY	LM03771	1419
150	1800	444TC	93.6	1.00	460	MD4S150TCTMC64PY	LM10748	1272
	1800	444TSC	93.6	1.00	460	MD4S150TSTSC64PY	LM03764	1272
200	1800	445TC	94.5	1.00	460	MD4S200TCTMC64PY	LM10749	1482
	1800	445TSC	94.5	1.00	460	MD4S200TSTSC64PY	LM03777	1482
250	1800	445TC	93.6	1.00	460	MD4S250TCTMC64PY	LM10750	1600
	1800	445TSC	93.6	1.00	460	MD4S250TSTSC64PY	LM10751	1600

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