

# ODP – ENCAPSULATED MULTIGUARD®



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

### 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.

### 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.



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

## FOOT MOUNT

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Notes (see page 306)	Approx Shpg Wght (lbs)	List Price	Mult Sym
15	1200	284T	86.5	1.00	230/460	MD6S15T61	LM03614		280	\$2696	LT-1A
	1200	284TS	86.5	1.00	230/460	MD6S15TS61	LM10636		280	2696	LT-1A
20	1200	286T	84.0	1.00	230/460	MD6S20T61	LM03631		328	2977	LT-1A
	1200	286TS	84.0	1.00	230/460	MD6S20TS61	LM10637		328	2976	LT-1A
25	1800	284T	87.5	1.00	230/460	MD4S25T61	LM03618		296	2649	LT-1A
	1800	284TS	87.5	1.00	230/460	MD4S25TS61	LM10638		296	2649	LT-1A
	1200	324T	89.5	1.00	230/460	MD6S25T61	LM03665		422	3910	LT-1A
	1200	324TS	89.5	1.00	230/460	MD6S25TS61	LM10639		422	3910	LT-1A
30	3600	284T	82.5	1.00	230/460	MD2S30T61	LM03628		306	3277	LT-1A
	3600	284TS	82.5	1.00	230/460	MD2S30TS61	LM03627		306	3277	LT-1A
	1800	286T	87.5	1.00	230/460	MD4S30T61	LM03636		334	2901	LT-1A
	1800	286TS	87.5	1.00	230/460	MD4S30TS61	LM03637		334	2901	LT-1A
	1200	326T	89.5	1.00	230/460	MD6S30T61	LM03865		482	4283	LT-1A
	1200	326TS	89.5	1.00	230/460	MD6S30TS61	LM10640		482	4283	LT-1A
40	3600	286T	84.0	1.00	230/460	MD2S40T61	LM03651		350	3780	LT-1A
	3600	286TS	84.0	1.00	230/460	MD2S40TS61	LM03650		350	3780	LT-1A
	1800	324T	90.2	1.00	230/460	MD4S40T61	LM03669		420	3793	LT-1A
	1800	324TS	90.2	1.00	230/460	MD4S40TS61	LM03670		420	3793	LT-1A
	1200	364T	91.7	1.00	230/460	MD6S40T61	LM03703		655	7804	LT-1A
1200	364TS	91.7	1.00	230/460	MD6S40TS61	LM10641		655	7804	LT-1A	
50	3600	324T	86.5	1.00	230/460	MD2S50T61	LM03682		425	4539	LT-1A
	3600	324TS	86.5	1.00	230/460	MD2S50TS61	LM03681		425	4539	LT-1A
	1800	326T	91.7	1.00	230/460	MD4S50T61	LM03683		476	4031	LT-1A
	1800	326TS	91.7	1.00	230/460	MD4S50TS61	LM03684		476	4031	LT-1A
1200	365T	91.7	1.00	230/460	MD6S50T61	LM03720		690	6097	LT-1A	
1200	365TS	91.7	1.00	230/460	MD6S50TS61	LM10642		690	6097	LT-1A	
60	3600	326T	87.5	1.00	230/460	MD2S60T61	LM03692		484	5243	LT-1A
	3600	326TS	87.5	1.00	230/460	MD2S60TS61	LM03691		484	5243	LT-1A
	1800	364T	92.4	1.00	230/460	MD4S60T61	LM03709		627	5479	LT-1A
	1800	364TS	92.4	1.00	230/460	MD4S60TS61	LM03708		627	5479	LT-1A
	1200	404T	92.4	1.00	230/460	MD6S60T61	LM03785		855	8510	LT-1A
	1200	404TS	92.4	1.00	230/460	MD6S60TS61	LM10643		855	8510	LT-1A

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## FOOT MOUNT (cont'd)

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Notes (see page 306)	Approx Shpg Wght (lbs)	List Price	Mult Sym
75	3600	364T	88.5	1.00	230/460	MD2S75T61	LM03719		644	\$7989	LT-1A
	3600	364TS	88.5	1.00	230/460	MD2S75TS61	LM03718		644	7989	LT-1A
	1800	365T	91.7	1.00	230/460	MD4S75T61	LM03729		697	5821	LT-1A
	1800	365TS	91.7	1.00	230/460	MD4S75TS61	LM03728		697	5821	LT-1A
	1200	405T	92.4	1.00	230/460	MD6S75T61	LM03799		948	8628	LT-1A
	1200	405TS	92.4	1.00	230/460	MD6S75TS61	LM03800		948	8628	LT-1A
100	3600	365T	88.5	1.00	230/460	MD2S100T61	LM03740		712	7521	LT-1A
	3600	365TS	88.5	1.00	230/460	MD2S100TS61	LM03739		712	7521	LT-1A
	1800	404T	93.0	1.00	230/460	MD4S100T61	LM03791		865	7749	LT-1A
	1800	404TS	93.0	1.00	230/460	MD4S100TS61	LM03790		865	7749	LT-1A
	1200	444T	94.1	1.00	460	MD6S100T64PY	LM03752		1,213	11747	LT-1A
	1200	444TS	94.1	1.00	460	MD6S100TS64PY	LM03753		1,213	11747	LT-1A
125	3600	404T	89.5	1.00	230/460	MD2S125T61	LM10644		875	10739	LT-1A
	3600	404TS	89.5	1.00	230/460	MD2S125TS61	LM03797		875	10739	LT-1A
	1800	405T	93.0	1.00	230/460	MD4S125T61	LM03809		972	8798	LT-1A
	1800	405TS	93.0	1.00	230/460	MD4S125TS61	LM03808		972	8798	LT-1A
	1200	445T	94.1	1.00	460	MD6S125T64PY	LM03768		1,377	13719	LT-1A
	1200	445TS	94.1	1.00	460	MD6S125TS64PY	LM10645		1,377	13719	LT-1A
150	3600	405T	89.5	1.00	230/460	MD2S150T61	LM03816		978	10803	LT-1A
	3600	405TS	89.5	1.00	230/460	MD2S150TS61	LM03815		978	10803	LT-1A
	1800	444T	93.6	1.00	460	MD4S150T64PY	LM03761		1,230	11615	LT-1A
	1800	444TS	93.6	1.00	460	MD4S150TS64PY	LM03760		1,230	11615	LT-1A
200	1800	445T	94.5	1.00	460	MD4S200T64PY	LM03773		1,440	14174	LT-1A
	1800	445TS	94.5	1.00	460	MD4S200TS64PY	LM03772		1,440	14174	LT-1A
250	1800	445T	93.6	1.00	460	MD4S250T64PY	LM03780		1,500	14815	LT-1A
	1800	445TS	93.6	1.00	460	MD4S250TS64PY	LM03779		1,500	14815	LT-1A

## C-FACE WITH FEET

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Notes (see page 306)	Approx Shpg Wght (lbs)	List Price	Mult Sym
15	1200	284TC	86.5	1.00	230/460	MD6S15TC61	LM03616		287	\$2862	LT-1A
	1200	284TSC	86.5	1.00	230/460	MD6S15TSC61	LM03615		287	2862	LT-1A
20	1200	286TC	84.0	1.00	230/460	MD6S20TC61	LM03633		335	3141	LT-1A
	1200	286TSC	84.0	1.00	230/460	MD6S20TSC61	LM03632		335	3141	LT-1A
25	1800	284TC	87.5	1.00	230/460	MD4S25TC61	LM03623		303	2802	LT-1A
	1800	284TSC	87.5	1.00	230/460	MD4S25TSC61	LM03619		303	2802	LT-1A
	1200	324TC	89.5	1.00	230/460	MD6S25TC61	LM03666		432	4187	LT-1A
30	1800	286TC	87.5	1.00	230/460	MD4S30TC61	LM03643		343	2845	LT-1A
	1800	286TSC	87.5	1.00	230/460	MD4S30TSC61	LM03639		343	2845	LT-1A
	1200	326TC	89.5	1.00	230/460	SE6S30TC61	LM20488		482	4559	LT-1A
40	1800	324TC	90.2	1.00	230/460	MD4S40TC61	LM03673		439	4070	LT-1A
	1800	324TSC	90.2	1.00	230/460	MD4S40TSC61	LM03671		439	4070	LT-1A
	1200	364TC	91.7	1.00	230/460	MD6S40TC61	LM03705		667	6504	LT-1A
50	1800	326TC	91.7	1.00	230/460	MD4S50TC61	LM03686		486	4307	LT-1A
	1800	326TSC	91.7	1.00	230/460	MD4S50TSC61	LM03685		486	4307	LT-1A
	1200	365TC	91.7	1.00	230/460	MD6S50TC61	LM03724		702	7094	LT-1A
60	1800	364TC	92.4	1.00	230/460	MD4S60TC61	LM03711		639	6284	LT-1A
	1800	364TSC	92.4	1.00	230/460	MD4S60TSC61	LM03713		639	6284	LT-1A
75	1800	365TC	91.7	1.00	230/460	MD4S75TC61	LM03730		709	7048	LT-1A
	1800	365TSC	91.7	1.00	230/460	MD4S75TSC61	LM03733		709	7048	LT-1A
	1200	405TC	92.4	1.00	230/460	MD6S75TC61	LM03804		964	9156	LT-1A
100	1800	404TC	93.0	1.00	230/460	MD4S100TC61	LM03792		881	8278	LT-1A
	1800	404TSC	93.0	1.00	230/460	MD4S100TSC61	LM03794		881	8274	LT-1A
	1200	444TSC	94.1	1.00	460	MD6S100TSC64PY	LM03755		1234	12400	LT-1A

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15 TO 250 HP**

## C-FACE WITH FEET (cont'd)

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Notes (see page 306)	Approx Shpg Wght (lbs)	List Price	Mult Sym
125	1800	405TC	93.0	1.00	230/460	MD4S125TC61	LM03810		988	\$9325	LT-1A
	1800	405TSC	93.0	1.00	230/460	MD4S125TSC61	LM03812		988	9325	LT-1A
	1200	445TSC	94.1	1.00	460	MD6S125TSC64PY	LM03770		1398	14371	LT-1A
150	1800	444TSC	93.6	1.00	460	MD4S150TSC64PY	LM03763		1251	12267	LT-1A
200	1800	445TSC	94.5	1.00	460	MD4S200TSC64PY	LM03776		1435	14826	LT-1A
250	1800	445TSC	93.6	1.00	460	SE4S250TSC64PY	LM16564		1600	15467	LT-1A

## DOUBLE C-FACE/DOUBLE SHAFT

HP	SYN RPM	Frame	FL Nom Eff (%)	SF	Volts	Model Number	Product Number	Notes (see page 306)	Approx Shpg Wght (lbs)	List Price	Mult Sym
15	1200	284TC	86.5	1.00	230/460	MD6S15TCTMC61	LM10725		295	\$3234	LT-1A
	1200	284TSC	86.5	1.00	230/460	MD6S15TSC61	LM10726		295	3234	LT-1A
20	1200	286TC	84.0	1.00	230/460	MD6S20TCTMC61	LM10727		342	3513	LT-1A
	1200	286TSC	84.0	1.00	230/460	MD6S20TSC61	LM03634		342	3513	LT-1A
25	1800	284TC	87.5	1.00	230/460	MD4S25TCTMC61	LM03624		310	3173	LT-1A
	1800	284TSC	87.5	1.00	230/460	MD4S25TSC61	LM03625		310	3173	LT-1A
	1200	324TC	89.5	1.00	230/460	MD6S25TCTMC61	LM03667		442	4516	LT-1A
	1200	324TSC	89.5	1.00	230/460	MD6S25TSC61	LM03668		442	4516	LT-1A
30	1800	286TC	87.5	1.00	230/460	MD4S30TCTMC61	LM03644		348	3439	LT-1A
	1800	286TSC	87.5	1.00	230/460	MD4S30TSC61	LM03645		348	3439	LT-1A
	1200	326TC	89.5	1.00	230/460	MD6S30TCTMC61	LM10730		502	4891	LT-1A
	1200	326TSC	89.5	1.00	230/460	MD6S30TSC61	LM03866		502	4891	LT-1A
40	1800	324TC	90.2	1.00	230/460	MD4S40TCTMC61	LM03674		440	4399	LT-1A
	1800	324TSC	90.2	1.00	230/460	MD4S40TSC61	LM03675		440	4398	LT-1A
	1200	364TC	91.7	1.00	230/460	MD6S40TCTMC61	LM03706		679	6183	LT-1A
	1200	364TSC	91.7	1.00	230/460	MD6S40TSC61	LM03707		679	6183	LT-1A
50	1800	326TC	91.7	1.00	230/460	MD4S50TCTMC61	LM03687		496	4637	LT-1A
	1800	326TSC	91.7	1.00	230/460	MD4S50TSC61Y	LM27884		496	4637	LT-1A
	1200	365TC	91.7	1.00	230/460	MD6S50TCTMC61	LM03725		714	7938	LT-1A
	1200	365TSC	91.7	1.00	230/460	MD6S50TSC61	LM03726		714	7938	LT-1A
60	1800	364TC	92.4	1.00	230/460	MD4S60TCTMC61	LM03714		651	6394	LT-1A
	1800	364TSC	92.4	1.00	230/460	MD4S60TSC61	LM03715		651	6395	LT-1A
	1200	404TC	92.4	1.00	230/460	MD6S60TCTMC61	LM03787		887	9484	LT-1A
	1200	404TSC	92.4	1.00	230/460	MD6S60TSC61	LM03788		887	9485	LT-1A
75	1800	365TC	91.7	1.00	230/460	MD4S75TCTMC61	LM03735		721	6737	LT-1A
	1800	365TSC	91.7	1.00	230/460	MD4S75TSC61	LM03736		721	6737	LT-1A
	1200	405TC	92.4	1.00	230/460	MD6S75TCTMC61	LM03805		980	9602	LT-1A
	1200	405TSC	92.4	1.00	230/460	MD6S75TSC61	LM03806		980	9602	LT-1A
100	1800	404TC	93.0	1.00	230/460	MD4S100TCTMC61	LM10741		897	8722	LT-1A
	1800	404TSC	93.0	1.00	230/460	MD4S100TSC61	LM03795		897	8722	LT-1A
	1200	444TC	94.1	1.00	460	MD6S100TCTMC64PY	LM03757		1234	13109	LT-1A
	1200	444TSC	94.1	1.00	460	MD6S100TSC64PY	LM03758		1234	13110	LT-1A
125	1800	405TC	93.0	1.00	230/460	SE4S125TCTMC61	LM10744		1004	9771	LT-1A
	1800	405TSC	93.0	1.00	230/460	MD4S125TSC61	LM03813		1004	9772	LT-1A
	1200	445TC	94.1	1.00	460	MD6S125TCTMC64PY	LM10745		1419	15081	LT-1A
	1200	445TSC	94.1	1.00	460	MD6S125TSC64PY	LM03771		1419	15081	LT-1A
150	1800	444TC	93.6	1.00	460	MD4S150TCTMC64PY	LM10748		1272	12977	LT-1A
	1800	444TSC	93.6	1.00	460	MD4S150TSC64PY	LM03764		1272	12977	LT-1A
200	1800	445TC	94.5	1.00	460	MD4S200TCTMC64PY	LM10749		1482	15536	LT-1A
	1800	445TSC	94.5	1.00	460	MD4S200TSC64PY	LM03777		1482	15536	LT-1A
250	1800	445TC	93.6	1.00	460	MD4S250TCTMC64PY	LM10750		1600	16178	LT-1A
	1800	445TSC	93.6	1.00	460	MD4S250TSC64PY	LM10751		1600	16178	LT-1A

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