



COMPRESSOR DUTY MOTORS

COMPRESSOR, PUMP, AND FAN & BLOWER DUTY



General Specifications:

Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

Open construction with reverse ventilation exhausting air at shaft-end which minimizes contaminants from entering motor. Prelubricated double shielded, amply sized, ball bearing construction to accommodate varying belt loads and tension.

Electrical Features:

High efficiency energy saving designs.

Class "F" copper windings.

Class "F" varnish.

High starting and breakdown torque.

1.15 Service Factor except as noted. Σ

Single phase motors are wired for CW rotation facing lead end. They may be reconnected for CCW rotation.

The compressor motors shown here are the ratings most common to this application. For additional motors of different HP, RPM, etc., see pages 6-15.

SINGLE PHASE • DRIP-PROOF • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1	3450	56	110160	\$388	A	29	115/230	Man.	6.7	11.50
	1740	143T	120044	365	A	38	115/208-230	None	6.4	11.13
	1740	143T	120003	396	A	38	115/208-230	Man.	6.4	11.13
1½	3450	56	110161	389	A	34	115/230	Man.	10.0	12.00
	1740	145T	120042 ☆	475	A	40	115/208-230	None	8.6	12.28
	1740	145T	120004 ☆	506	A	39	115/208-230	Man.	8.6	12.28
2	3450	56	110232	428	A	33	115/230	Man.	11.0	12.00
	1740	182T	131515	650	A	64	115/208-230	None	12.4	13.19
	1740	182T	131536	714	A	63	115/208-230	Man.	12.4	13.19
3	3450	56	110222 ♣	457	A	38	230	Man.	15.0	12.50
	1740	184T	131534	721	A	75	115/208-230	None	16.8	14.19
5SPL	3450	56	116523 ☆	672	A	35	208-230	Man.	15.0	11.44
5	3450	56	111275 ☆ Σ ♣	593	A	47	230	Man.	20.8	13.50
	3450	145T	120554 ☆ Σ	599	A	48	230	Man.	20.8	13.13
	1740	184T	131537	832	A	82	230	None	21.0	14.69
	1740	184T	131622	897	A	85	230	Man.	21.0	14.69
7½	3450	184T	132044 ☆	742	A	110	208-230	T-stat	31.0	16.69
	3450	213T	140680 ☆	1176	A	112	208-230	None	29.5	16.55
	1740	215T	140155 ☆†	1109	A	123	230	None	36.0	17.25
10	1740	215TZ	140311 ☆†✓	1606	A	162	230	None	43.0	20.75

THREE PHASE • DRIP-PROOF • RIGID BASE 208-230/460V

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1	1740	143T	G120010	\$351	A	37	208-230/460	3.1	82.5	11.28
1½	1740	145T	G120011	363	A	37	208-230/460	4.4	84.0	12.28
2	1740	145T	G120012	408	A	47	208-230/460	6.0	84.0	13.78
3	1740	182T	G130000	526	A	60	208-230/460	8.4	86.5	12.69
5	1740	184T	G130004	548	A	69	208-230/460	13.2	87.5	13.69
7½	1750	213T	G150142	620	C	160	208-230/460	19.6	91.2	16.38
10	1760	215T	G150144	773	C	200	208-230/460	26.0	91.0	17.87
15	1760	254T	G150065	1036	C	279	208-230/460	37.0	92.5	20.87
20	1750	256T	G150006	1251	C	324	208-230/460	48.0	91.7	22.60

THREE PHASE • DRIP-PROOF • RIGID BASE • 575V

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575V	% F.L. Eff.	"C" Dim. (in.)
1	1740	143T	G120051	\$351	A	31	575	1.3	82.5	11.13
1½	1740	145T	G120054	363	A	35	575	1.8	84.0	12.13
2	1740	145T	G120055	408	A	37	575	2.4	84.0	13.31
3	1740	182T	G130442	526	A	50	575	3.4	86.5	12.69
5	1740	184T	G130443	548	A	59	575	5.3	87.5	13.69
7½	1760	213T	160209	620	C	160	575	7.8	91.2	16.38
10	1760	215T	160211	773	C	165	575	10.4	91.0	17.87
15	1760	254T	160216	1036	C	279	575	14.8	92.5	20.87
20	1760	256T	G150046	1251	C	324	575	19.2	91.7	22.52

☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.

Σ These motors are compressor duty rated, may be used at 1.0 Service Factor on general purpose applications.

† Class F insulated.

✓ Motor with standard diameter shaft, 1.0" longer than standard.

♣ Special BA dimension 2.31".

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalogue numbers in blue are NEW items.