



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 20-34.

SINGLE PHASE • DRIP-PROOF • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/2	3600	56	9031 ★	22	115	Man.	11.5	11.14
	1800	56	9029 ★	25	115	Auto.	8.7	11.14
3/4	3600	56	9032 ★	23	115	Man.	12.5	11.14
	1800	56	9030 ★	26	115	Auto.	10.5	11.14
1	3600	56	110160	27	115/230	Man.	6.7	11.38
	3600	56	9033 ★	25	115/230	Man.	16.0/8.0	
	1800	143T	120044	38	115/208-230	None	6.4	11.28
1 1/2	1800	143T	120003	38	115/208-230	Man.	6.4	11.13
	3600	56	110161	33	115/230	Man.	10.0	11.88
	3600	56	9034 ★	30	115/230	Man.	19.0/9.5	11.14
	1800	145T	120042☆	38	115/208-230	None	8.6	12.28
2	1800	145T	120004☆	40	115/208-230	Man.	8.6	12.28
	3600	56	110232	33	115/230	Man.	11.0	11.88
	3600	56	9035 ★ ●	30	115/230	Man.	15.0/7.5	11.14
	1800	182T	131515	56	115/208-230	None	12.4	13.19
3	1800	182T	131536	63	115/208-230	Man.	8.8	10.66
	3600	56	110222~	38	230	Man.	15.0	12.38
	3600	56	9036 ★ ●	35	230	Man.	15.0	12.10
5SPL	1800	184T	131534	69	115/208-230	None	16.9	14.19
	3600	56	116523☆	35	208-230	Man.	15.0	11.44
5	3600	56	111275☆ Σ ~	44	230	Man.	20.8	13.34
	3600	145T	120554☆ Σ	46	230	Man.	20.8	13.12
	3600	56H	9038 ★ ●	41	230	Man.	21.0	15.04
	3600	56	9040 ★ ●	40	230	Man.	15.0	12.10
	1800	184T	131537	83	230	None	21.0	14.69
	1800	184T	131622	82	230	Man.	21.0	14.69
7 1/2	3600	184T	132044☆	110	208-230	T-stat	31.0	16.69
	3600	213T	140680☆	112	208-230	None	29.5	16.55
	1800	215T	140155☆†	123	230	None	36.0	17.25
10	1800	215TZ	140311☆†✓	162	230	None	43.0	20.75

208-230/460V

THREE PHASE • DRIP-PROOF • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1800	143T	121003	36	208-230/460	3.2	85.5	12.12
1 1/2	1800	145T	121004	35	208-230/460	4.8	86.5	12.62
2	1800	145T	121005	37	208-230/460	5.8	86.5	13.62
3	1800	182T	131519	75	208-230/460	7.8	89.5	13.69
5	1800	184T	131520	86	208-230/460	12.8	89.5	14.69
7 1/2	1800	213T	170142	133	208-230/460	20.6	91.0	16.38
10	1800	215T	170144	144	208-230/460	26.8	91.7	17.87
15	1800	254T	170065	283	208-230/460	34.6	93.0	20.94
20	1800	256T	170006	330	208-230/460	51.0	93.0	22.60

208-230/460V

THREE PHASE • DRIP-PROOF • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1800	143T	121945	36	575	1.3	85.5	12.12
1 1/2	1800	145T	121946	35	575	1.9	86.5	12.62
2	1800	145T	121948	37	575	2.3	86.5	13.62
3	1800	182T	132261	75	575	3.1	89.5	13.69
5	1800	184T	132262	86	575	5.1	89.5	14.69
7 1/2	1800	213T	170209	133	575	8.0	91.0	16.38
10	1800	215T	170211	144	575	10.5	91.7	17.87
15	1800	254T	170216	283	575	14.5	93.0	20.94
20	1800	256T	170046	330	575	19.5	93.0	22.60

- ★ CW rotation only
- ☆ 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".
- Electrical design incorporates a run capacitor

SHADED FRAME INDICATES CAST IRON CONSTRUCTION