

Ammonia refrigeration compressor motors, three phase, ODP, 460 and 2300/4160 volt, foot mounted

150 thru 500 Hp

IP22



Features:

- Low noise design
- 1.15 SF
- Meet or exceed all efficiency requirements for US, Canada and Mexico regulations
- Rated for across the line start
- Class F insulation with Class B temp rise
- Cast iron frame for reduced vibration and increased strength

Applications:

- Ammonia refrigeration compressors
- Pumps

Standard 460 Volt motor

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
460 volts (wye start delta run)											
150	3600	404/5TS	EM251152T-4	13,117	DPC	31.00	1140	95.4	460	167	1,10
200	3600	444/5TS	EM251202T-4	14,864	DPC	35.81	1737	95.4	460	221	1,10
250	3600	444/5TS	EM251252T-4	17,437	DPC	35.81	1539	95.4	460	274	1,10
300	3600	447TSS/TS	EM251302T-4	27,254	DPC	39.31	1899	95.4	460	334	1,10
350	3600	447TSS/TS	EM251352T-4	31,190	DPC	39.31	1899	95.4	460	381	1,10
400	3600	449TS	EM251402T-4	36,592	DPC	44.31	4000	96.2	460	431	1,10
450	3600	449TS	EM251452T-4	40,294	DPC	44.31	4000	96.2	460	494	1,10
500	3600	449TS	EM251502T-4	44,548	DPC	39.37	2595	96.2	460	544	1,10

(a) See notes on inside back flap.

■ Cast iron frame

Custom induction motors available up to 30,000 Hp, contact your sales representative for additional information.

Conversion base kits are available in the Motor Accessories section.

Definite purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders

Three phase, two speed, TEFC, foot mounted

1/2 thru 25 Hp

IP54



Features:

- Dual speed ratings
- High performance ball bearings
- Dynamically balanced rotor
- Heavy duty steel or cast-iron frame

Applications:

- Fans
- Blowers
- Machine tools
- Hoists
- Conveyors
- Pumps

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes (a)
Constant torque, one winding, low voltage										
1/5	1800/900	143T	M1504T	1,308	DP2	13.31	39	208-230	2.8	10, 71
1.5/7.5	1800/900	145T	M1505T	1,382	DP2	14.19	47	230	4.1	8, 10, 71
2/1	1800/900	184T	M1506T	1,678	DP2	16.54	64	208-230	5.5	10, 71
3/1.5	1800/900	184T	M1507T	1,900	DP2	18.04	84	230	8.3	1, 10, 71
5/2.5	1800/900	215T	M1508T	2,482	DP2	19.01	134	208-230	13	1, 10, 71
7.5/3.8	1800/900	215T	M1509T	3,231	DP2	20.51	185	230	18.9	1, 10, 71
Constant torque, one winding, high voltage										
1/5	1800/900	143T	M1704T	1,308	DP2	14.19	45	460	1.4	71
1.5/7.5	1800/900	145T	M1705T	1,382	DP2	14.19	47	460	2.1	8, 71
2/1	1800/900	184T	M1706T	1,678	DP2	16.54	65	460	2.8	71
3/1.5	1800/900	184T	M1707T	1,900	DP2	18.04	84	460	4.2	1, 71
5/2.5	1800/900	215T	M1708T	2,482	DP2	19.01	132	460	6.5	1, 71
7.5/3.8	1800/900	215T	M1709T	3,231	DP2	20.51	181	460	9.4	1, 71
10/5	1800/900	254T	M1710T	4,977	DP2	23.28	263	460	13	1, 71
15/7.5	1800/900	256T	M1711T	5,762	DP2	23.28	267	460	19.2	1, 71
20/10	1800/900	284T	M1712T	7,321	DP2	27.76	378	460	25	1, 10, 71
25/13	1800/900	286T	M1713T	8,887	DP2	27.76	397	460	29	1, 10, 71
Variable torque, one winding, low voltage										
1/2.5	1800/900	143T	M1554T	922	DP2	12.31	33	208-230	3	10, 71
1.5/3.8	1800/900	145T	M1555T	959	DP2	13.31	41	208-230	4.8	10, 71
2/5	1800/900	145T	M1556T	1,114	DP2	13.31	41	208-230	6.1	10, 71
3/7.5	1800/900	184T	M1557T	1,197	DP2	16.54	65	208-230	8	10, 71
5/1.3	1800/900	184T	M1558T	1,523	DP2	18.04	83	208-230	13.5	8, 10, 71
Variable torque, one winding, high voltage										
1/2.5	1800/900	143T	M1754T	922	DP2	12.31	33	460	1.7	1, 10, 71
1.5/3.8	1800/900	145T	M1755T	959	DP2	13.31	38	460	2.3	1, 10, 71
2/5	1800/900	145T	M1756T	1,114	DP2	14.19	45	460	3	1, 71
3/7.5	1800/900	184T	M1757T	1,197	DP2	16.54	63	460	4	71
5/1.3	1800/900	184T	M1758T	1,523	DP2	18.04	84	460	6.7	1, 71
7.5/1.9	1800/900	215T	M1759T	2,145	DP2	19.01	136	460	9.3	1, 71
10/2.5	1800/900	215T	M1760T	2,527	DP2	20.52	158	460	12.5	8, 71
15/3.75	1800/900	254T	M1761T	3,493	DP2	23.28	247	460	19.6	71
20/5	1800/900	284T	M1762T	4,129	DP2	27.76	344	460	26	1, 71
25/6.3	1800/900	286T	M1763T	4,791	DP2	27.76	384	460	32	71
Variable torque, two windings, low voltage										
.75/3.3	1800/1200	56	M1519	1,020	DP2	13.23	37	230	2.8	10, 71
1/4.4	1800/1200	145T	M1520T	1,065	DP2	13.31	42	208-230	3.1	1, 10, 71
1.5/6.7	1800/1200	182T	M1521T	1,315	DP2	15.17	58	208-230	4.4	1, 10, 71
2/8.9	1800/1200	182T	M1522T	1,509	DP2	16.54	66	208-230	5.8	1, 10, 71
3/1.3	1800/1200	184T	M1523T	1,765	DP2	16.54	73	208-230	8	1, 10, 71
5/2.2	1800/1200	215T	M1524T	2,764	DP2	19.01	126	230	12.8	1, 10, 71

(a) See notes on inside back flap. Cast iron frame

Definite purpose
Unit Handling
Brake
IEC Frame
50 Hertz
Variable Speed AC
DC
Accessories
Service
Grinders

Three phase, two speed, TEFC, foot mounted

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes (a)
Variable torque, two windings, high voltage										
.5/.22	1800/1200	56	M1718	951	DP2	12.23	29	460	1.1	1, 10, 71
.75/.33	1800/1200	56	M1719	1,051	DP2	12.23	33	460	1.4	1, 10, 12, 71
1/.44	1800/1200	145T	M1720T	1,065	DP2	13.31	35	460	1.6	1, 10, 71
1.5/.67	1800/1200	182T	M1721T	1,315	DP2	14.26	50	460	2.2	1, 71
2/.89	1800/1200	182T	M1722T	1,509	DP2	16.52	58	460	2.8	1, 10, 71
3/1.3	1800/1200	184T	M1723T	1,765	DP2	16.54	73	460	4	1, 71
5/2.2	1800/1200	215T	M1724T	2,764	DP2	19.01	128	460	6.4	1, 71
7.5/3.3	1800/1200	254T	M1725T	3,572	DP2	23.28	230	460	10.3	1, 10, 71
10/4.4	1800/1200	254T	M1726T	4,111	DP2	21.07	225	460	12.5	10, 71
15/6.7	1800/1200	284T	M1727T	4,879	DP2	27.76	355	460	19.3	1, 10, 71
20/8.9	1800/1200	286T	M1728T	6,615	DP2	27.76	390	460	27	1, 10, 71
25/11	1800/1200	324T	M1729T	6,968	DP2	30.28	512	460	30	1, 10, 71

(a) See notes on inside back flap.

■ Cast iron frame

Define purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders

Three phase, two speed, ODP, foot mounted

1/2 thru 25 Hp

IP22



Features:

- Dual speed ratings
- High performance ball bearings
- Dynamically balanced rotor
- Heavy duty steel or cast-iron frame

Applications:

- Fans
- Blowers
- Pumps

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes (a)
Variable torque, one winding, low voltage										
1/25	1800/900	143T	M1004T	878	DP2	11.12	33	208-230	3	1
1.5/38	1800/900	145T	M1005T	913	DP2	12.13	38	208-230	4.4	1
2/5	1800/900	145T	M1006T	1,054	DP2	12.13	41	230	6.1	1
3/75	1800/900	184T	M1007T	1,132	DP2	13.62	56	208-230	8	1
5/1.3	1800/900	184T	M1008T	1,363	DP2	15.00	71	230	13.2	1
7.5/1.9	1800/900	215T	M1009T	1,947	DP2	16.32	113	230	20	1, 10
10/2.5	1800/900	215T	M1010T	2,207	DP2	17.45	133	208-230	25	1, 10
Variable torque, one winding, high voltage										
1/25	1800/900	143T	M1204T	878	DP2	11.12	33	460	1.5	1
1.5/38	1800/900	145T	M1205T	913	DP2	12.13	37	460	2.2	1
2/5	1800/900	145T	M1206T	1,054	DP2	12.13	41	460	3.1	1
3/75	1800/900	184T	M1207T	1,132	DP2	13.62	56	460	4	1
5/1.3	1800/900	184T	M1208T	1,363	DP2	15.00	72	460	6.6	1
7.5/1.9	1800/900	215T	M1209T	1,947	DP2	16.32	112	460	10	1
10/2.5	1800/900	215T	M1210T	2,207	DP2	17.45	132	460	13	1
15/3.8	1800/900	254T	M1211T	3,100	DP2	21.69	206	460	20	1
20/5	1800/900	256T	M1212T	3,799	DP2	21.69	204	460	26	1
25/6.3	1800/900	284T	M1213T	4,458	DP2	23.81	330	460	34	1, 10
Variable torque, two windings, low voltage										
.75/33	1800/1200	56	M1019	943	DP2	12.07	36	230	2.8	
1/44	1800/1200	145T	M1020T	1,016	DP2	12.13	41	230	3	1, 10
1.5/67	1800/1200	182T	M1021T	1,231	DP2	13.62	55	208-230	4.4	1, 10
2/89	1800/1200	182T	M1022T	1,404	DP2	15.00	64	230	5.8	1, 10
3/1.3	1800/1200	184T	M1023T	1,635	DP2	15.00	72	230	8	1
5/2.2	1800/1200	215T	M1024T	2,516	DP2	16.32	113	230	12.8	1, 10
Variable torque, two windings, high voltage										
.5/22	1800/1200	56	M1218	898	DP2	11.07	33	460	0.9	
.75/33	1800/1200	56	M1219	943	DP2	12.07	36	460	1.4	1, 10
1/44	1800/1200	145T	M1220T	1,016	DP2	12.13	41	460	1.9	
1.5/67	1800/1200	182T	M1221T	1,231	DP2	13.62	55	460	2.2	1, 10
2/89	1800/1200	182T	M1222T	1,404	DP2	15.00	65	460	3	1
3/1.3	1800/1200	184T	M1223T	1,635	DP2	15.00	72	460	4	1
5/2.2	1800/1200	215T	M1224T	2,516	DP2	16.32	113	460	6.4	1
7.5/3.3	1800/1200	256T	M1225T	3,346	DP2	22.25	148	460	9.9	1
10/4.4	1800/1200	256T	M1226T	3,779	DP2	22.25	172	460	12.7	1, 10
15/6.7	1800/1200	284T	M1227T	4,585	DP2	23.81	345	460	17.9	1, 10
20/8.9	1800/1200	286T	M1228T	6,149	DP2	23.81	330	460	24	1, 10

(a) See notes on inside back flap.

Pressure washer, single phase, TEFC and ODP

1 1/2 thru 5 Hp

ODP
IP22

TEFC
IP54



Features:

- Manual thermal overload
- Capacitor start, capacitor run
- 1 1/2 horsepower designs rated at 14 amps or less on 115 volts
- UL and CSA recognized component approval

Applications:

- Pressure washers
- Steam cleaners

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
Totally enclosed fan cooled											
2	3600	56	PL3515M	806	DPS	13.23	42	77	115/230	8.8	1
	1800	56HZ	L3516TM	1,096	DPS	13.31	46	82.5	208-230	8.1	1, 57
3	3600	56	PL3519M	884	DPS	14.12	50	78	230	12.5	30
	1800	184T	L3609TM	1,210	DPS	16.54	79	78	115/230	14.5	2, 20
5	3600	184T	L3608TM	1,393	DPS	18.05	89	83	230	19.5	2, 20
	1800	184T	L3612TM	1,406	DPS	18.05	100	80	230	23	2, 20
Totally enclosed fan cooled, C-Face											
1 1/2	3600	56C	PCL3513M	713	DPS	13.25	38	75.5	115/230	6.6	
	1800	56C	PCL3514M	930	DPS	14.12	54	82.5	115/230	6	1
2	3600	56C	PCL3515M	846	DPS	13.24	43	77	115/230	8.8	1
	1800	145TC	CL3516TM	1,105	DPS	14.16	53	82.5	208-230	7.9	1
3	3600	56C	PCL3519M	927	DPS	14.12	52	78	230	12.5	30
	1800	184TC	CL3619TM	1,437	DPS	16.54	81	81.5	230	13.2	2, 20
5	3600	184TC	CL3608TM	1,557	DPS	18.05	92	83	230	19.5	2, 20
	1800	184TC	CL3612TM	1,506	DPS	18.05	102	80	230	23	2, 20
Open drip proof											
3	1800	184T	L1408TM	1,006	DPS	15.00	74	78	115/230	16	
	3600	56/56H	PL1327M	859	DPS	13.81	56	74.2	230	23	2, 20, 30, 36, 98
5	1800	184T	L1410TM	1,224	DPS	16.50	85	82.5	230	23	30
	Open drip proof, C-Face										
2	1800	56C	EPCL1322M	983	DPS	14.32	66	84.5	115/230	8.2	1, 96
3	1800	184TC	CL1408TM	1,063	DPS	15.00	80	78	115/230	16	
	3600	56HCY	PCL1327M	905	DPS	14.11	57	74.2	230	23	2, 20, 30, 36, 47, 98
5	1800	184TC	CL1410TM	1,281	DPS	16.50	88	82.5	230	23	30

(a) See notes on inside back flap.

U-frame, three phase, TEFC

3/4 thru 20 Hp

IP54



Features:

- Fan cooled
- High performance ball bearings
- Heavy-gauge steel and cast-iron frames
- Exxon Polyrex™ EM grease
- U-Frame mounting dimensions

Applications:

- Pumps
- Compressors
- Fans
- Conveyors
- Machine tools

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
Totally enclosed foot mounted											
3/4	900	184	M3602	1,284	DPL	14.64	51	72	230/460	1.6	1, 30
1	1800	182	EM3603	1,086	DPL	13.76	38	85.5	230/460	1.5	1, 30
	1200	184	EM3604	1,384	DPL	13.76	41	82.5	230/460	1.8	1, 30
1 1/2	1800	184	EM3606	1,106	DPL	13.76	41	86.5	230/460	2.2	1, 30
	1200	184	EM3607	1,479	DPL	15.69	72	87.5	230/460	2.4	1, 30
2	1800	184	EM3609	1,167	DPL	13.76	45	86.5	230/460	2.9	1, 30
	1200	213	EM3712	1,671	DPL	18.17	97	88.5	230/460	3.5	1, 30
	900	215	EM3702	2,603	DPL	18.63	111	85.5	230/460	3.5	1, 30
3	3600	184	EM3610	1,168	DPL	14.64	50	86.5	230/460	3.6	1, 30
	1800	182	EM3611	1,215	DPL	15.69	70	89.5	230/460	4.2	1, 30
		213	EM3703	1,429	DPL	18.17	70	89.5	230/460	4.2	1, 30
	1200	215	EM3704	1,758	DPL	18.63	132	89.5	230/460	4.6	1, 30
5	3600	213	EM3706	1,987	DPL	18.17	74	88.5	230/460	5.9	1
	1800	215	EM3707	1,800	DPL	18.17	93	89.5	230/460	6.7	1, 30
	1200	254U	EM2275	3,664	DPL	20.82	226	90.2	230/460	7.3	1, 30
7 1/2	3600	215	EM3709	2,004	DPL	18.17	96	89.5	230/460	8.4	1, 30
	1800	254U	EM2237	3,120	DPL	23.03	254	91.7	230/460	9.4	1, 30
	1200	256U	EM2276	4,405	DPL	23.03	295	91	230/460	10.7	1, 30
10	1800	256U	EM2238	3,910	DPL	23.03	252	91.7	230/460	13	1, 30
15	1800	284U	EM2333	5,382	DPL	26.34	315	92.4	230/460	18.1	1, 30
20	1800	286U	EM2334	6,441	DPL	26.34	318	93	230/460	24	1, 30
Totally enclosed, C-Face, footless											
2	1800	184C	VEM3609	1,444	DPL	13.31	45	86.5	230/460	2.9	1, 30
	1200	184C	VEM3614	1,632	DPL	17.18	97	88.5	230/460	3.5	1, 30
3	1800	184C	VEM3611	1,493	DPL	15.68	70	89.5	230/460	4.2	1, 30
5	3600	184C	VEM3613	1,341	DPL	15.68	74	88.5	230/460	5.9	1
	1800	184C	VEM3615	1,704	DPL	17.18	93	89.5	230/460	6.7	1, 30

(a) See notes on inside back flap.
 ■ Cast iron frame

Definite purpose
 Unit Handling
 Brake
 IEC Frame
 50 Hertz
 Variable Speed AC
 DC
 Accessories
 Service
 Grinders

U-frame, single phase

1 thru 3 Hp

IP54



Features:

- Ball bearings
- Heavy-gauge steel and cast-iron frames
- Exxon Polyrex™ EM grease
- U-Frame mounting dimensions

Applications:

- Pumps
- Compressors
- Fans
- Conveyors
- Machine tools

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
Totally enclosed, foot mounted											
1	1200	184	L3607	1,886	DPL	15.69	74	67	115/230	7	1, 3
2	1800	184	L3605	1,440	DPL	15.69	67	75.5	115/230	11.5	1, 3, 30
	1200	215	L3703	3,114	DPL	17.51	113	80	115/230	9.4	2, 30, 65
3	1800	215	L3705	2,455	DPL	17.51	117	80	115/230	14	1, 30, 65
Totally enclosed, C-Face, footless											
2	1800	184C	VL3605	1,553	DPL	15.68	64	75.5	115/230	11.5	1, 3, 30

(a) See notes on inside back flap.

Automotive duty, three phase, TEFC, foot mounted

1 thru 60 Hp

IP55



Features:

- Heavy duty cast iron frames
- Double shielded ball bearings (regreaseable)
- Shaft slinger ODE and DE
- Epoxy paint
- 65°C ambient 1.00 SF
- 40°C ambient 1.15 SF

Applications:

- Pumps
- Compressors
- Fans
- Conveyors
- Machine tools

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	1800	182	AEM3683-4	1,433	DPL	13.18	89	85.5	460	1.6	60
1 1/2	1800	184	AEM3686-4	1,539	DPL	14.74	91	87.5	460	2.1	
2	1800	184	AEM3689-4	1,639	DPL	14.74	91	88.5	460	2.7	
3	1800	213	AEM3783-4	1,891	DPL	18.07	155	89.5	460	3.9	
5	1800	215	AEM3787-4	2,476	DPL	18.07	166	90.2	460	6.7	
7 1/2	1800	254U	AEM2237-4	3,322	DPL	23.11	270	91.7	460	9.1	
10	1800	256U	AEM2238-4	4,017	DPL	23.11	270	91.7	460	12.2	
15	1800	284U	AEM2333-4	5,581	DPL	26.33	268	92.4	460	17.6	
20	1800	286U	AEM2334-4	6,728	DPL	27.81	420	93	460	23	
25	1800	324U	AEM4103-4	8,576	DPL	30.56	437	93.6	460	30	
30	1800	326U	AEM4104-4	9,689	DPL	30.66	469	93.6	460	35	
40	1800	364U	AEM4307-4	11,513	DPL	33.94	874	94.5	460	45	
50	1800	365U	AEM4311-4	13,865	DPL	33.94	915	94.5	460	56	
60	1800	405U	AEM4314-4	16,941	DPL	38.08	1326	95	460	66.6	

(a) See notes on inside back flap.

■ Cast iron frame

For more information visit baldor.com or new.abb.com/motors-generators

Synchronous permanent magnet, three phase, TEFC, foot mounted

1 thru 3 Hp

IP54



Features:

- Permanent magnets in rotor
- Zero slip, line start capable
- Max safe speed 6000 RPM
- Inverter ready
- 10:1 CT speed range

Applications:

- Inherent, precise, open-loop speed regulation

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	1800	145TC	CSPM3546T	3,299	DPP	13.29	37	89.5	230/460	1.2	
2	1800	145TC	CSPM3558T	3,735	DPP	14.17	55	87.5	230/460	2.5	
3	1800	182TC	CSPM3611T	4,457	DPP	16.56	70	89.5	230/460	4	

(a) See notes on inside back flap.

Definite purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders