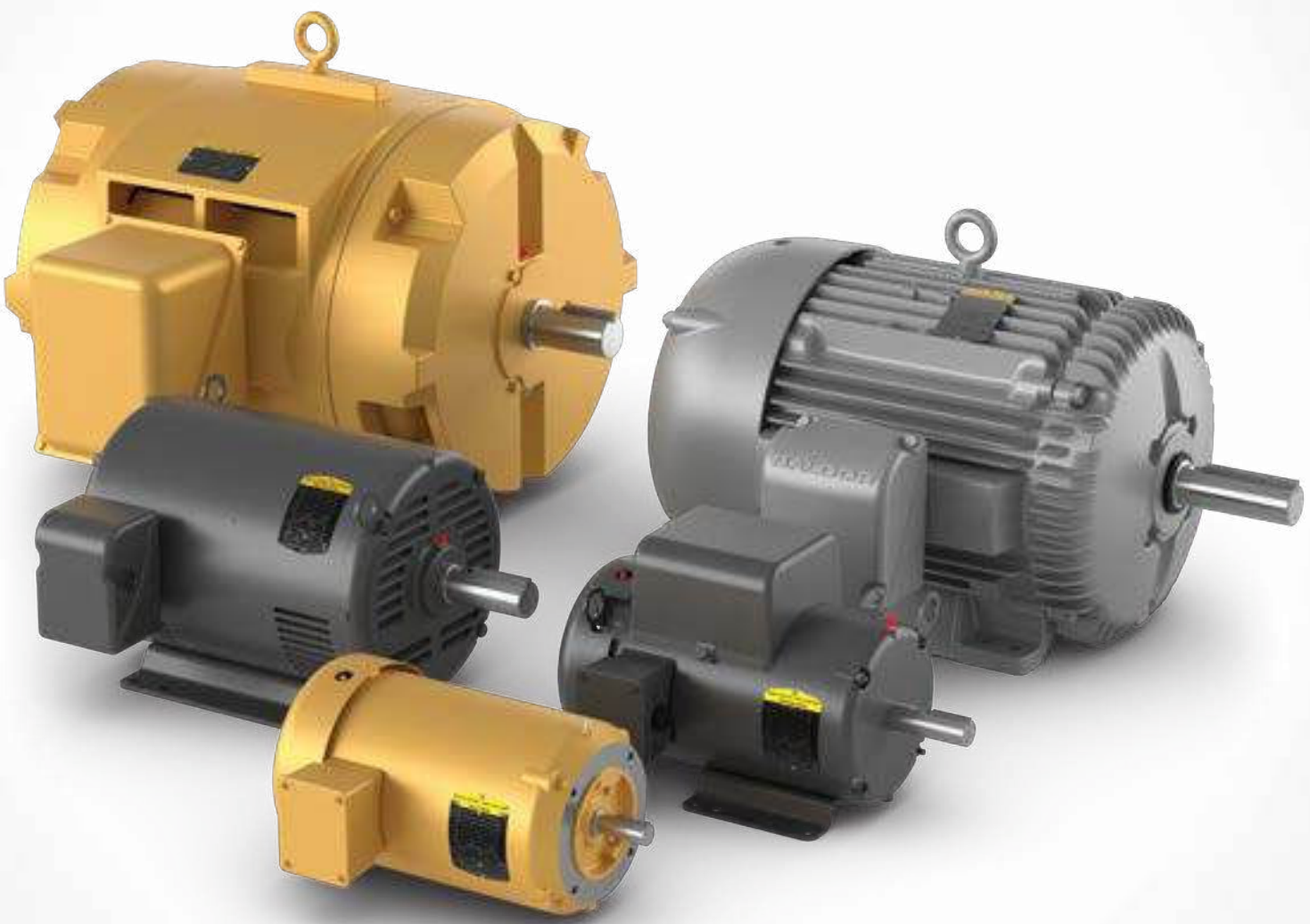


Definite Purpose



Definite Purpose

ABB's Baldor-Reliance definite purpose motors meet specific application needs with a focus on sustainability and reliability. This line includes automotive duty, U-frame, two-speed and ammonia refrigeration motors, designed for various industries and supported by ABB's exceptional customer service and performance.



Ammonia refrigeration
compressor motor



Two Speed, three phase



Pressure washer, single
phase



U-Frame, three phase



U-Frame, single phase



Automotive duty

Ammonia refrigeration comperssor motor 150 thru 500 Hp

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

IP22

Ammonia refrigeration compressor motor, three phase, ODP, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volts (wye start delta run)											
150	3600	405TS	EM251152T-4	21,599	DPC	30.93	1140	95.4	460	167.0	10
200	3600	444TS	EM251202T-4	24,476	DPC	35.88	1737	95.4	460	221.0	10
250	3600	445TS	EM251252T-4	28,713	DPC	35.88	1488	95.4	460	274.0	10
300	3600	447TS	EM251302T-4	44,878	DPC	39.37	1748	95.4	460	334.0	10
350	3600	447TS	EM251352T-4	51,360	DPC	39.37	1899	95.4	460	381.0	10
400	3600	449TS	EM251402T-4	60,255	DPC	44.31	2074	96.2	460	431.0	10
450	3600	449TS	EM251452T-4	66,351	DPC	44.31	2080	96.2	460	494.0	10
500	3600	449TS	EM251502T-4	73,356	DPC	39.37	2595	96.2	460	544.0	10

Cast iron frame

Two Speed, three phase 1/2 thru 25 Hp

Features

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

Applications

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

ODP
IP22

TEFC
IP54

Two Speed, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes
Constant torque, one winding										
230 volt										
1/0.5	1800/900	143T	M1504T	2,154	DP2	13.31	39	208-230	2.8	10, 71
1.5/0.75	1800/900	145T	M1505T	2,276	DP2	14.19	47	230	4.1	8, 10, 71
2/1	1800/900	184T	M1506T	2,763	DP2	16.54	64	208-230	5.2	10, 71
3/1.5	1800/900	184T	M1507T	3,129	DP2	18.04	84	230	8.3	1, 10, 71
5/2.5	1800/900	215T	M1508T	4,087	DP2	19.01	134	208-230	10.4	1, 10, 71
7.5/3.8	1800/900	215T	M1509T	5,320	DP2	20.51	209	230	16.6	1, 10, 71
460 volt										
1/0.5	1800/900	143T	M1704T	2,154	DP2	14.19	45	460	1.4	71
1.5/0.75	1800/900	145T	M1705T	2,276	DP2	14.19	47	460	2.1	8, 71
2/1	1800/900	184T	M1706T	2,763	DP2	16.54	65	460	2.6	71
3/1.5	1800/900	184T	M1707T	3,129	DP2	18.04	93	460	4.2	1, 71
5/2.5	1800/900	213T	M1708T	4,087	DP2	19.01	132	460	5.2	1, 71
7.5/3.8	1800/900	215T	M1709T	5,320	DP2	20.51	181	460	8.3	1, 71
10/5	1800/900	254T	M1710T	8,195	DP2	23.36	263	460	11.3	1, 71
15/7.5	1800/900	256T	M1711T	9,488	DP2	23.36	267	460	16.8	1, 71
20/10	1800/900	284T	M1712T	12,055	DP2	27.76	378	460	18.5	1, 10, 71
25/13	1800/900	286T	M1713T	14,634	DP2	27.76	397	460	27.0	1, 10, 71
Variable torque, one winding										
230 volt										
1/0.25	1800/900	143T	M1554T	1,518	DP2	12.31	33	208-230	1.0	10, 71
1.5/0.38	1800/900	145T	M1555T	1,579	DP2	13.31	41	208-230	2.4	10, 71
2/0.5	1800/900	145T	M1556T	1,834	DP2	13.31	41	208-230	2.6	10, 71
3/0.75	1800/900	184T	M1557T	1,971	DP2	16.54	65	208-230	3.0	10, 71
5/1.3	1800/900	184T	M1558T	2,508	DP2	18.04	83	208-230	5.2	8, 10, 71
460 volt										
1/0.25	1800/900	143T	M1754T	1,518	DP2	12.31	33	460	0.8	1, 10, 71

Cast iron frame

TOC
INFO
SP4
GP
SD
WD
XP
PUMP
HVAC
FARM
DP
UH
BRM
VSAC
IMD
DCPM
DCSW
GRDS
LATH
GBPA
ACPA
DCPA
ACC
MDEX
INDX
NOTE

Two Speed, three phase, TEFC, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes
460 volt										
1.5/0.375	1800/900	145T	M1755T	1,579	DP2	13.31	38	460	1.0	1, 10, 71
2/0.5	1800/900	145T	M1756T	1,834	DP2	14.19	45	460	1.3	1, 71
3/0.75	1800/900	184T	M1757T	1,971	DP2	16.54	63	460	1.6	71
5/1.3	1800/900	184T	M1758T	2,508	DP2	18.04	84	460	2.5	1, 71
7.5/1.9	1800/900	213T	M1759T	3,532	DP2	19.01	136	460	3.5	1, 71
10/2.5	1800/900	213T	M1760T	4,161	DP2	20.52	158	460	4.8	8, 71
15/3.75	1800/900	254T	M1761T	5,752	DP2	23.36	247	460	8.3	71
20/5	1800/900	284T	M1762T	6,799	DP2	27.76	344	460	9.4	1, 71
25/6.3	1800/900	286T	M1763T	7,889	DP2	27.76	384	460	12.0	71
Variable torque, two windings										
230 volt										
0.75/0.33	1800/1200	56	M1519	1,680	DP2	13.23	37	230	1.6	10, 71
1/.44	1800/1200	145T	M1520T	1,754	DP2	13.31	42	208-230	2.0	1, 10, 71
1.5/.67	1800/1200	182T	M1521T	2,165	DP2	15.17	58	208-230	2.8	1, 10, 71
2/0.89	1800/1200	182T	M1522T	2,485	DP2	16.54	66	208-230	3.2	1, 10, 71
3/1.3	1800/1200	184T	M1523T	2,906	DP2	16.54	73	208-230	5.1	1, 10, 71
5/2.2	1800/1200	215T	M1524T	4,551	DP2	19.01	126	230	7.0	1, 10, 71
460 volt										
0.5/0.22	1800/1200	56	M1718	1,566	DP2	12.23	29	460	0.7	1, 10, 71
.75/.33	1800/1200	56	M1719	1,731	DP2	12.23	33	460	0.8	1, 10, 12, 71
1/0.44	1800/1200	145T	M1720T	1,754	DP2	13.31	35	460	0.9	1, 10, 71
1.5/0.67	1800/1200	182T	M1721T	2,165	DP2	14.29	50	460	1.4	1, 71
2/0.89	1800/1200	182T	M1722T	2,485	DP2	16.54	58	460	1.7	1, 10, 71
3/1.3	1800/1200	184T	M1723T	2,906	DP2	16.54	73	460	2.6	1, 71
5/2.2	1800/1200	215T	M1724T	4,551	DP2	19.01	128	460	3.5	1, 71
7.5/3.3	1800/1200	254T	M1725T	5,882	DP2	23.36	230	460	5.7	1, 10, 71
10/4.4	1800/1200	254T	M1726T	6,769	DP2	21.07	225	460	6.7	10, 71
15/6.7	1800/1200	284T	M1727T	8,034	DP2	27.76	355	460	10.0	1, 10, 71
20/8.9	1800/1200	286T	M1728T	10,893	DP2	27.76	390	460	14.0	1, 10, 71
25/11	1800/1200	324T	M1729T	11,474	DP2	30.28	512	460	18.0	1, 10, 71

Cast iron frame

Two Speed, three phase, ODP, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes
Variable torque, one winding										
230 volt										
1/0.25	1800/900	143T	M1004T	1,446	DP2	11.13	33	208-230	1.0	1
1.5/0.38	1800/900	145T	M1005T	1,503	DP2	12.13	38	208-230	1.8	1
2/0.5	1800/900	145T	M1006T	1,736	DP2	12.13	41	230	2.6	1
3/0.75	1800/900	184T	M1007T	1,864	DP2	13.62	56	208-230	3.0	1
5/1.3	1800/900	184T	M1008T	2,244	DP2	15.00	71	230	5.0	1
7.5/1.9	1800/900	213T	M1009T	3,206	DP2	18.95	113	230	7.3	1, 10
10/2.5	1800/900	213T	M1010T	3,634	DP2	17.45	133	230	9.2	1, 10
460 volt										
1/0.25	1800/900	143T	M1204T	1,446	DP2	11.13	33	460	0.5	1
1.5/0.38	1800/900	145T	M1205T	1,503	DP2	12.13	37	460	0.9	1
2/0.5	1800/900	145T	M1206T	1,736	DP2	12.13	41	460	1.3	1
3/0.75	1800/900	184T	M1207T	1,864	DP2	13.62	56	460	1.5	1
5/1.3	1800/900	184T	M1208T	2,244	DP2	15.00	72	460	2.5	1
7.5/1.9	1800/900	213T	M1209T	3,206	DP2	16.32	112	460	3.8	1
10/2.5	1800/900	215T	M1210T	3,634	DP2	17.45	132	460	5.0	1
15/3.8	1800/900	254T	M1211T	5,105	DP2	21.69	203	460	8.7	1
20/0	1800/900	256T	M1212T	6,256	DP2	21.69	202	460	11.5	1
25/6.3	1800/900	284T	M1213T	7,341	DP2	23.81	330	460	13.9	1, 10
Variable torque, two windings										
230 volt										
0.75/0.33	1800/1200	56	M1019	1,553	DP2	12.07	36	230	1.6	
1/0.44	1800/1200	145T	M1020T	1,673	DP2	12.13	41	230	2.1	1, 10
1.5/0.67	1800/1200	182T	M1021T	2,027	DP2	13.62	55	208-230	2.8	1, 10
2/0.89	1800/1200	182T	M1022T	2,312	DP2	15.00	64	230	3.2	1, 10
3/1.3	1800/1200	184T	M1023T	2,692	DP2	15.00	72	230	5.1	1
5/2.2	1800/1200	215T	M1024T	4,143	DP2	16.32	113	230	7.0	1, 10
460 volt										
0.5/0.22	1800/1200	56	M1218	1,479	DP2	11.07	33	460	0.6	
0.75/0.33	1800/1200	56	M1219	1,553	DP2	12.07	36	460	1.0	1, 10
1/0.44	1800/1200	145T	M1220T	1,673	DP2	12.13	41	460	1.0	
1.5/0.67	1800/1200	182T	M1221T	2,027	DP2	13.62	55	460	1.4	1, 10
2/0.89	1800/1200	182T	M1222T	2,312	DP2	15.00	65	460	1.6	1
3/1.3	1800/1200	184T	M1223T	2,692	DP2	15.00	72	460	2.6	1
5/2.2	1800/1200	215T	M1224T	4,143	DP2	16.32	113	460	3.5	1
7.5/3.3	1800/1200	256T	M1225T	5,510	DP2	22.25	148	460	5.7	1
10/4.4	1800/1200	256T	M1226T	6,223	DP2	22.25	172	460	7.2	1, 10
15/6.7	1800/1200	284T	M1227T	7,550	DP2	23.81	345	460	11.5	1, 10
20/8.9	1800/1200	286T	M1228T	10,125	DP2	23.81	330	460	18.0	1, 10

Pressure washer, single phase

1 1/2 thru 5 Hp

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

ODP
IP22

TEFC
IP54

Pressure washer, single phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
2	3600	56	PL3515M	1,327	DPS	13.23	42	77.0	115/230	8.8	1
3	1800	184T	L3609TM	2,040	GO1	16.54	79	78.0	115/230	14.5	2, 20
230 volt											
2	1800	56HZ	L3516TM	1,848	GO1	13.30	46	82.5	208-230	8.0	1, 57
3	3600	56	PL3519M	1,456	DPS	14.10	50	85.5	230	12.5	30
5	3600	184T	L3608TM	2,348	GO1	18.04	89	83.0	230	19.5	2, 20
	1800	184T	L3612TM	2,371	GO1	18.04	100	80.0	230	23.0	2, 20

Pressure washer, single phase, TEFC, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1 1/2	3600	56C	PCL3513M	1,174	DPS	13.23	38	75.5	115/230	6.6	
	1800	56C	PCL3514M	1,531	DPS	14.10	54	82.5	115/230	6.0	1
2	3600	56C	PCL3515M	1,393	DPS	13.23	43	77.0	115/230	8.8	1
230 volt											
2	1800	145TC	CL3516TM	1,862	DPS	14.16	53	82.5	208-230	7.9	1
3	3600	56C	PCL3519M	1,526	DPS	14.10	52	85.5	230	12.5	30
	1800	184TC	CL3619TM	2,422	DPS	16.54	81	81.5	208-230	13.2	2, 20
5	3600	184TC	CL3608TM	2,625	DPS	18.05	92	83.0	208-230	19.5	2, 20
	1800	184TC	CL3612TM	2,539	DPS	18.05	102	80.0	208-230	23.0	2, 20

Pressure washer, single phase, ODP, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
2	1800	56	EPL1322M	837	GO1	14.32	66	84.5	115/230	8.2	1, 4
3	1800	184T	L1408TM	1,696	GO1	15.00	74	78.0	115/230	16.0	
230 volt											
5	3600	56/56H	PL1327M	1,414	DPS	13.79	56	74.2	230	23.0	
	1800	184T	L1410TM	2,063	GO1	16.50	85	82.5	230	23.0	1, 30

Pressure washer, single phase, ODP, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
2	1800	56C	EPCL1322M	1,619	DPS	14.32	66	84.5	115/230	8.2	1, 4
3	1800	184TC	CL1408TM	1,792	DPS	15.00	80	78.0	115/230	16.0	
230 volt											
5	3600	56HCY	PCL1327M	1,490	DPS	14.10	57	74.2	230	23.0	
	1800	184TC	CL1410TM	2,160	DPS	16.50	88	82.5	230	23.0	1, 30

U-Frame, three phase 3/4 thru 20 Hp

IP54

Features

- Cool operation for longer life
- Operates within "B" temperature limits at rated horsepower
- Fan cooled
- 1.15 service factor
- High performance ball bearings
- Dynamic balanced
- Heavy-gauge steel and cast-iron frames
- U-Frame mounting dimensions

Applications

- Pumps
- Compressors
- Fans
- Conveyors
- Machine tools

U-Frame, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
3/4	900	184	M3602	2,114	DPL	14.66	51	72.0	208-230/460	1.6	30
1	1800	182	EM3603	1,788	DPL	13.79	38	85.5	230/460	1.6	30
	1200	184	EM3604	2,279	DPL	13.79	41	82.5	230/460	1.8	30
1 1/2	1800	184	EM3606	1,821	DPL	13.76	41	86.5	230/460	2.3	30
	1200	184	EM3607	2,435	DPL	15.67	72	87.5	230/460	2.4	30
2	1800	184	EM3609	1,922	DPL	13.79	45	86.5	230/460	2.8	30
	1200	213	EM3712	2,752	DPL	18.17	97	88.5	230/460	3.5	30
	900	215	EM3702	4,286	DPL	18.63	111	85.5	230/460	3.5	30
3	3600	182	EM3610	1,923	DPL	14.66	50	86.5	230/460	3.6	30
	1800	213	EM3703	2,353	DPL	18.17	70	89.5	230/460	4.2	30
	1200	215	EM3704	2,895	DPL	18.63	132	89.5	230/460	4.6	30
5	3600	213	EM3706	3,272	DPL	18.17	74	88.5	230/460	5.9	
	1800	215	EM3707	2,964	DPL	18.17	93	89.5	230/460	6.7	30
	1200	254U	EM2275	6,033	DPL	20.82	226	90.2	230/460	7.3	30
7 1/2	3600	215	EM3709	3,300	DPL	18.17	96	89.5	230/460	8.4	30
	1800	254U	EM2237	5,138	DPL	23.11	254	91.7	230/460	9.4	30
	1200	256U	EM2276	7,254	DPL	23.11	295	91.0	230/460	10.7	30
10	1800	256U	EM2238	6,438	DPL	23.11	252	91.7	230/460	13.0	30
15	1800	284U	EM2333	8,862	DPL	26.39	315	92.4	230/460	18.1	30
20	1800	286U	EM2334	10,606	DPL	26.39	318	93.0	230/460	24.0	30

Cast iron frame

U-Frame, three phase, TEFC, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
2	1800	184C	VEM3609	2,378	DPL	13.31	45	86.5	230/460	2.8	30
	1200	184C	VEM3614	2,687	DPL	17.17	97	88.5	230/460	3.5	30
3	1800	184C	VEM3611	2,458	DPL	15.67	70	89.5	230/460	4.2	30
5	3600	184C	VEM3613	2,208	DPL	15.67	74	88.5	230/460	5.9	
	1800	184C	VEM3615	2,806	DPL	17.17	93	89.5	230/460	6.7	30

U-Frame, single phase 1 thru 3 Hp

Features

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

Applications

- Fans
- Pumps
- Conveyors
- Machine tools
- Compressors

IP54

U-Frame, single phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1	1200	184	L3607	3,106	DPL	15.69	74	63.0	115/230	7.0	1, 3
2	1800	184	L3605	2,371	DPL	15.69	67	75.5	115/230	11.5	1, 3, 30
	1200	213	L3703	5,128	DPL	17.51	113	74.0	115/230	10.5	2, 30, 65
3	1800	215	L3705	4,043	DPL	17.51	117	80.0	115/230	14.0	1, 30, 65

U-Frame, single phase, TEFC, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
2	1800	184C	VL3605	2,557	DPL	15.68	64	75.5	115/230	11.5	1, 3, 30

TOC
INFO
SP4
GP
SD
WD
XP
PUMP
HVAC
FARM
DP
UH
BRM
VSAC
IMD
DCPM
DCSW
GRDS
BUFF
LATH
GBPA
ACPA
DCPA
ACC
MDEX
INDX
NOTE

Automotive duty

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

- Compressors
- Conveyors
- Fans
- Machine tools
- Pumps

Automotive duty, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
1	1800	182	AEM3683-4	2,360	DPL	13.18	79	85.5	460	1.6	60
1 1/2	1800	184	AEM3686-4	2,534	DPL	14.74	86	87.5	460	2.1	
2	1800	184	AEM3689-4	2,699	DPL	14.74	91	88.5	460	2.7	
3	1800	213	AEM3783-4	3,114	DPL	18.07	155	89.5	460	3.9	
5	1800	215	AEM3787-4	4,077	DPL	18.07	166	90.2	460	6.7	
7 1/2	1800	254U	AEM2237-4	5,470	DPL	23.11	227	91.7	460	9.1	
10	1800	256U	AEM2238-4	6,615	DPL	23.11	245	91.7	460	12.2	
15	1800	284U	AEM2333-4	9,190	DPL	26.33	315	92.4	460	17.6	
20	1800	286U	AEM2334-4	11,079	DPL	27.81	420	93.0	460	23.0	
25	1800	324U	AEM4103-4	14,122	DPL	30.56	490	93.6	460	30.0	
30	1800	326U	AEM4104-4	15,955	DPL	30.66	469	93.6	460	35.0	
40	1800	364U	AEM4307-4	18,958	DPL	33.94	883	94.5	460	45.0	
50	1800	365U	AEM4311-4	22,831	DPL	33.94	915	94.5	460	56.0	
60	1800	405U	AEM4314-4	27,896	DPL	38.08	1294	95.0	460	66.6	

Cast iron frame