

Explosion Proof Motors

Single Phase
ODP Motors

Single Phase
TEFC Motors

Single Phase
C Face Motors

Three Phase
ODP Motors

Three Phase
TEFC Motors

Three Phase
C Face Motors

Inverter Duty
Motors

Severe Duty
Motors

Explosion Proof
Motors



- Meets all UL and CSA safety requirements
- Single and three phase motors
- Double shielded ball bearings
- Automatic overload protection or thermostat protected
- Double shielded ball bearings
- Includes explosion proof conduit box
- NEMA 1.0 or 1.15 service factor
- 1 year warranty
- 3 year warranty on premium efficient models

Applications:

These motors must be applied in accordance with the National Electrical Code, Article #500. Consult NFPA Publication 497M for a complete listing of explosive agents that are typically found in the environments that these motors are exposed to.



Application Notes

These motors must be applied in accordance with the National Electrical Code, Article #500.

A partial listing of explosive agents is noted below. Consult NFPA Publication 497M for a complete listing. Please note subheads above each column for qualifications of LEESON motors.

Features:

- Meets UL and CSA safety requirements
- Automatic overload protected
- Explosion rated conduit box included
- Internal mounted capacitors
- Double shielded ball bearings

Rating Information:

Division I areas are environments where a hazard is present continuously or would be subject to fire or explosion if the hazard was present as a result of an accident or uncommon occurrence.

Division II areas are environments where the threat of fire or explosion is not normally present and not likely to result in the event of an abnormal occurrence.

Application Notes:

Class I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume.

Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene.

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

Class II

Group E: Aluminum, magnesium and other metal dusts with similar characteristics.

Group F: Carbon black, coke or coal dust.

Group G: Flour, starch or grain dust.

Note: No LEESON motors are listed for Class I, Group A or B.

Explosion-Proof Motors

Single Phase - Rigid Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over- load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	111074.00	✓	749	A6C17EB20	35	115/208-230	Auto.	2.9	1.0	12.97	S, US, 12
1/2	1800	56H	111084.00	✓	826	A6C17XB22	41	115/208-230	Auto.	4.4	1.0	13.58	S, US, 6, 13
3/4	1800	56H	110934.00	✓	975	A6C17XB21	46	115/208-230	Auto.	5.5	1.0	14.08	S, US, 6, 13
1	1800	56H	110961.00	✓	1107	A6C17XB20	47	115/208-230	Auto.	6.7	1.0	14.08	S, US, 6, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - C Face Less Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over- load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	111095.00	✓	788	A6C34EC20	38	115/208-230	Auto.	2.2	1.0	13.44	S, US, 13
	1800	56C	111075.00	✓	826	A6C17EC20	41	115/208-230	Auto.	2.9	1.0	12.97	S, US, 12
1/2	3600	56C	111098.00	✓	796	A6C34XC22	35	115/208-230	Auto.	4.2	1.0	13.44	S, US, 13
	3600	56J	116188.00	✓	752	A6C34XC31	35	115/208-230	Auto.	3.8	1.0	13.96	S, US, 13
	1800	56C	111085.00	✓	916	A6C17XC22	45	115/208-230	Auto.	4.4	1.0	13.94	S, US, 13
3/4	3600	56C	111097.00	✓	854	A6C34XC21	40	115/208-230	Auto.	5.0	1.0	13.96	S, US, 13
	3600	56J	116186.00	✓	847	A6C34XC32	40	115/208-230	Auto.	5.0	1.0	14.46	S, US, 13
	1800	56C	111086.00	✓	1017	A6C17XC21	50	115/208-230	Auto.	5.5	1.0	14.44	S, US, 13
1	3600	56C	111096.00	✓	916	A6C34XC20	49	115/208-230	Auto.	6.2	1.0	14.44	S, US, 13
	3600	56J	116185.00	✓	909	A6C34XC33	49	115/208-230	Auto.	6.0	1.0	14.96	S, US, 13
	1800	56C	110852.00	✓	1160	A6C17XC20	53	115/208-230	Auto.	6.7	1.0	14.44	S, US, 13
1 1/2	3600	56C	114424.00	✓	1315	A6C34XC26	44	115/208-230	Auto.	8.5	1.0	14.96	S, US, 13
	3600	56J	116183.00	✓	1164	A6C34XC34	54	115/208-230	Auto.	8.5	1.0	14.95	S, US, 13
2	3600	56C	114425.00	✓	1617	A6C34XC27	54	115/208-230	Auto.	10.5	1.0	14.94	S, US, 13
	3600	56J	116181.00	✓	1267	A6C34XC35	54	115/208-230	Auto.	10.5	1.0	15.45	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - C Face With Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over- load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	116605.00	✓	815	A6C34XK7	39	115/208-230	Auto.	2.6	1.0	13.44	S, US, 13
	1800	56C	116606.00	✓	852	A6C17XK33	42	115/208-230	Auto.	3.3	1.0	13.44	S, US, 13
	1200	56C	116607.00	✓	975	A6C17XK31	45	115/208-230	Auto.	3.9	1.0	13.94	S, US, 6, 13
1/2	3600	56C	116608.00	✓	822	A6C34XK6	36	115/208-230	Auto.	3.8	1.0	13.44	S, US, 6, 13
	1800	56C	116609.00	✓	944	A6C17XK32	46	115/208-230	Auto.	4.4	1.0	13.94	S, US, 6, 13
	1200	56HC	116610.00	✓	1057	A6C17XK34	56	115/208-230	Auto.	4.7	1.0	14.94	S, US, 6, 13
3/4	3600	56C	116611.00	✓	879	A6C34XK5	41	115/208-230	Auto.	5.3	1.0	13.94	S, US, 6, 13
	1800	56C	116612.00	✓	1044	A6C17XK30	51	115/208-230	Auto.	5.5	1.0	14.44	S, US, 6, 13
1	3600	56C	116613.00	✓	944	A6C34XK4	50	115/208-230	Auto.	6.3	1.0	14.44	S, US, 6, 13
	1800	56C	116614.00	✓	1150	A6C17XK29	54	115/208-230	Auto.	6.7	1.0	14.44	S, US, 6, 13
1 1/2	3600	56C	116615.00	✓	1339	A6C34XK3	45	115/208-230	Auto.	8.5	1.0	14.44	S, US, 6, 13
2	3600	56C	116616.00	✓	1640	A6C34XK2	58	115/208-230	Auto.	10.5	1.0	14.94	S, US, 6, 13

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View On-line Technical Information