EXPLOSION-PROOF MOTORS
SINGLE PHASE

EXPLOSION-PROOF
FOR HAZARDOUS LOCATIONS

Underwriters Laboratories and Canadian Standards Association Listed

General Specifications:

These explosion proof motors are designed and approved for application in hazardous environments having certain explosive gases or materials present.

Features:

Rugged mechanical construction meeting all requirements for safety. UL and CSA listed.

Double shielded, pre-lubricated ball bearings are standard. All motors have inherent automatic overload protection. NEMA 1.0 Service Factor except as noted. Explosion-proof conduit box included at no extra cost.

Capacitors on single phase designs are mounted inside the motor frame.

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. No LEESON motors are listed for Class I, Group A or B. Please note subheads above each column for qualifications of LEESON motors.

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.

EXCEPT AS NOTED, STEEL FRAME EXPLOSION-PROOF MOTORS ARE *NOT* INVERTER-RATED AND MUST *NOT* BE USED WITH AN INVERTER

CAST IRON EXPLOSION-PROOF – SEE PAGE 50

SINGLE PHASE • RIGID BASE
CLASS I, GROUPS C & D—CLASS II, GROUPS F & G • W/CONDUIT BOX

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	1800	56	111074●	35	115/208-230	Auto.	2.9	63.0	12.97
1/2	1800	56H	111084□	41	115/208-230	Auto.	4.4	65.0	13.58
3/4	1800	56H	110934□	46	115/208-230	Auto.	5.5	70.0	14.08
1	1800	56H	110961□	47	115/208-230	Auto.	6.7	75.0	14.08

Explosion Proof Motors have 1.0 Service Factor.

SINGLE PHASE • C FACE • RIGID BASE
CLASS I, GROUPS C & D—CLASS II, GROUPS F & G • W/CONDUIT BOX

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	3600	56C	116605	39	115/208-230	Auto.	2.6	65.0	13.44
	1800	56C	116606	42	115/208-230	Auto.	3.3	62.0	13.44
	1200	56C	116607□	45	115/208-230	Auto.	3.9	58.0	13.94
1/2	3600	56C	116608□	36	115/208-230	Auto.	3.8	63.0	13.44
	1800	56C	116609□	46	115/208-230	Auto.	4.4	66.0	13.94
	1200	56C	116610□	56	115/208-230	Auto.	4.7	64.0	14.94
3/4	3600	56C	116611□	41	115/208-230	Auto.	5.3	65.0	13.94
	1800	56C	116612□	51	115/208-230	Auto.	5.5	70.0	14.44
1	3600	56C	116613□	50	115/208-230	Auto.	6.3	70.0	14.44
	1800	56C	116614□	54	115/208-230	Auto.	6.7	75.0	14.44
1½	3600	56C	116615□	45	115/208-230	Auto.	8.5	72.0	14.94
2	3600	56C	116616□	58	115/208-230	Auto.	10.5	74.0	14.94

Explosion Proof Motors have 1.0 Service Factor.

SINGLE PHASE • C FACE LESS BASE
CLASS I, GROUPS C & D—CLASS II, GROUPS F & G • W/CONDUIT BOX

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	3600	56C	111095●	38	115/208-230	Auto.	2.2	65.0	13.44
	1800	56C	111075●	41	115/208-230	Auto.	2.9	70.0	12.97
1/2	3600	56C	111098	35	115/208-230	Auto.	4.2	63.0	13.44
	3600	56J	116188	35	115/208-230	Auto.	3.8	63.0	13.96
	1800	56C	111085	45	115/208-230	Auto.	4.4	65.0	13.94
3/4	3600	56C	111097	40	115/208-230	Auto.	5.0	64.0	13.96
	3600	56J	116186	40	115/208-230	Auto.	5.0	64.0	14.46
	1800	56C	111086	50	115/208-230	Auto.	5.5	70.0	14.44
1	3600	56C	111096	49	115/208-230	Auto.	6.2	40.0	14.44
	3600	56J	116185	49	115/208-230	Auto.	6.0	70.0	14.96
	1800	56C	110852	53	115/208-230	Auto.	6.7	75.0	14.44
1½	3600	56C	114424	54	115/208-230	Auto.	8.5	72.0	14.96
	3600	56J	116183	54	115/208-230	Auto.	8.5	72.0	14.95
2	3600	56C	114425	54	115/208-230	Auto.	10.5	74.0	14.94
	3600	56J	116181	54	115/208-230	Auto.	10.5	74.0	15.45

Explosion Proof Motors have 1.0 Service Factor.

● These motors are totally enclosed, non-ventilated—Others are fan cooled.
□ Motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
▲ These motors are satisfactory for operation on 50 Hz power supply at full rated horsepower.

NEMA Premium

EXPLOSION-PROOF MOTORS

THREE PHASE

LEESON

THREE PHASE • RIGID BASE

CLASS I, GROUPS C & D—CLASS II, GROUPS F & G • W/CONDUIT BOX

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	3600	56	117571●	33	575	Auto.	0.5	77.0	11.97
	1800	56	111932●▲	28	208-230/460	Auto.	1.3	76.0	10.97
	1200	56H	111940●	39	208-230/460	Auto.	1.5	70.0	13.97
1/2	3600	56	117572●	39	575	Auto.	0.6	76.0	12.47
	3600	56	111934●	39	208-230/460	Auto.	1.6	76.0	12.47
	1800	56	111929●▲	32	208-230/460	Auto.	1.7	75.0	11.38
	1200	56H	111938□	44	208-230/460	Auto.	2.0	71.0	13.47
3/4	3600	56	117573	37	575	Auto.	1.3	75.5	13.44
	3600	56	111937	37	208-230/460	Auto.	3.2	75.5	13.44
	1800	56	111923	38	208-230/460	Auto.	3.0	75.0	13.94
1	3600	56	117574	34	575	Auto.	1.4	77.0	13.44
	3600	56	111942▲	34	208-230/460	Auto.	3.6	77.0	13.44
	1800	56H	111922□	45	208-230/460	Auto.	3.6	78.0	13.94
1½	3600	143T	121961 Ⓦ	49	575	Auto.	1.6	84.0	14.41
	3600	143T	G120489▲	46	208-230/460	Auto.	4.0	82.5	14.41
	3600	143T	121914 Ⓦ	49	208-230/460	Auto.	4.0	84.0	14.41
	1800	145T	G120490	56	208-230/460	Auto.	4.4	84.0	14.41
	1800	145T	121915 Ⓦ	59	208-230/460	Auto.	4.8	86.5	14.41
	1800	145T	120524	52	575	Auto.	1.8	80.0	14.91
	1800	145T	121953 Ⓦ	59	575	Auto.	1.9	86.5	14.41
2	3600	145T	121962 Ⓦ	55	575	Auto.	1.9	85.5	14.41
	3600	145T	G120491	46	208-230/460	Auto.	5.2	84.0	15.41
	3600	145T	121916 Ⓦ	55	208-230/460	Auto.	4.8	85.5	15.41
	1800	145T	G120391	56	208-230/460	Auto.	6.0	84.0	16.91
	1800	145T	121917 Ⓦ	60	208-230/460	Auto.	5.8	86.5	15.41
	1800	145T	G120523	59	575	Auto.	2.0	81.0	15.91
	1800	145T	121954 Ⓦ	60	575	Auto.	2.3	86.5	15.41
3	3600	145T	121963 Ⓦ	56	575	Auto.	1.9	86.5	15.41
	3600	145T	G120387	60	208-230/460	Auto.	7.4	85.5	15.91
	3600	145T	121918 Ⓦ	56	208-230/460	Auto.	4.8	86.5	15.91

Explosion Proof Motors have 1.0 Service Factor.

THREE PHASE • C FACE WITH BASE

CLASS I, GROUPS C & D—CLASS II, GROUPS F & G • W/CONDUIT BOX

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	3600	56C	117564●	33	575	Auto.	0.5	77.0	11.97
	3600	56C	114625●▲	33	208-230/460	Auto.	1.2	77.0	11.97
	1800	56C	111214●	38	575	Auto.	0.5	76.0	12.00
	1800	56C	114626●▲	38	208-230/460	Auto.	1.3	76.0	12.00
1/2	3600	56C	117565●	39	575	Auto.	0.6	76.0	12.47
	3600	56C	114627●★	35	208-230/460	Auto.	1.6	82.5	12.47
	1800	56C	111157●	35	575	Auto.	0.6	80.0	12.47
	1800	56C	114628●▲	35	208-230/460	Auto.	1.7	80.0	12.47
	1800	56C	116190#	34	208-230/460	T-stat	2.4	68.0	13.44
3/4	3600	56C	117566	37	575	Auto.	1.3	75.5	13.44
	3600	56C	114629	33	208-230/460	Auto.	2.4	75.5	13.44
	1800	56C	111216	42	575	Auto.	1.1	72.0	13.94
	1800	56C	114630	42	208-230/460	Auto.	2.6	75.0	13.94
	1800	56C	116191#	38	208-230/460	T-stat	3.0	75.5	13.44
1	3600	56C	117567	34	575	Auto.	1.4	77.0	13.44
	3600	56C	114631	34	208-230/460	Auto.	3.2	77.0	13.44
	1800	56C	111160	48	575	Auto.	1.4	85.5	14.50
	1800	56C	114632	48	208-230/460	Auto.	3.2	85.5	14.50
	1800	145TC	G121541#	44	208-230/460	T-stat	3.0	82.5	14.50
	1800	145TC	121919 Ⓦ	44	208-230/460	T-Stat	3.0	82.5	14.50
1½	3600	56C	117568	42	575	Auto.	1.7	81.5	13.94
	3600	56C	114633	42	208-230/460	Auto.	4.2	81.5	13.94
	1800	56C	112101	45	575	Auto.	1.8	80.0	15.94
	1800	56HC	114634	45	208-230/460	Auto.	4.4	80.0	15.94
	1800	145TC	G121542#	54	208-230/460	T-stat	4.4	84.0	16.00
	1800	145TC	121920 Ⓦ	58	208-230/460	T-Stat	4.8	86.5	16.00
2	3600	56C	117569	51	575	Auto.	2.2	78.8	13.94
	3600	56HC	114635▲	51	208-230/460	Auto.	5.6	78.8	13.94
	1800	145TC	121964 Ⓦ	59	575	Auto.	2.2	84.0	15.53
	1800	145TC	G121543#	65	208-230/460	T-stat	5.6	84.0	16.50
	1800	145TC	121922	66	208-230/460	T-Stat	5.8	86.5	16.50
	1800	145TC	G121182	59	208-230/460	Auto.	5.6	84.0	15.53
	1800	145TC	121921 Ⓦ	62	208-230/460	T-Stat	5.8	86.5	15.02
3	3600	56C	117570	62	575	Auto.	3.0	84.0	15.44
	3600	56HC	114636③	62	208-230/460	Auto.	7.6	84.0	15.44

③ **Catalogue #114636 is approved for Class I, Group C & D – Class II, Group F service only.**

● These motors are totally enclosed, non-ventilated—Others are fan cooled.
□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
▲ These motors are satisfactory for operation on 50 Hz power supply at full rated horsepower.
★ These motors have a 1.15 S.F.
These motors are inverter rated a suitable for use with an inverter. Others are not!
Ⓦ Premium efficiency WATTSAVERe® Motors meet NEMA efficiency requirements.

CAST IRON EXPLOSION-PROOF – SEE PAGE 50

EXPLOSION-PROOF MOTORS • 575 VOLTS

THREE PHASE • CAST IRON

EXPLOSION-PROOF

FOR HAZARDOUS LOCATIONS

Underwriters Laboratories and Canadian Standards Association Listed

General Specifications:

These explosion proof motors are designed and approved for application in hazardous environments having certain explosive gases or materials present.

Features:

Rugged mechanical construction meeting all requirements for safety. UL and CSA listed.

Double shielded, pre-lubricated ball bearings are standard. All motors have inherent automatic overload protection.

NEMA 1.0 service factor on CX Series.

NEMA 1.15 service factor on G Series.

Explosion-proof NEC-size conduit box included at no extra cost.

Normally-closed thermostats are standard.

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. No LEESON Motors are listed for Class I, Groups A or B. Please note headings and footnotes for qualifications of specific LEESON motors.

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.

RIGID BASE • THREE PHASE • CAST IRON FRAME

CLASS I, GROUP C & D—CLASS II, GROUPS F & G • WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
3	1800	182T	**850686**	91	575	3.2	89.5	17.12
	1200	213T	**850687**	138	575	3.5	89.5	20.18
5	3600	184T	**850688**	125	575	5.0	88.5	17.12
	1800	184T	**850689**	125	575	5.0	89.5	17.12
	1200	215T	**850690**	155	575	5.5	89.5	20.18
7½	3600	213T	**850691**	138	575	7.6	89.5	20.18
	1800	213T	**850692**	138	575	8.0	91.7	20.18
	1200	254T	**850693**	238	575	8.2	91.0	23.52
10	3600	215T	**850694**	155	575	9.6	90.2	20.18
	1800	215T	**850695**	155	575	10.4	91.7	20.18
	1200	256T	**850696**	263	575	10.4	91.0	23.52
15	3600	254T	**850697**	238	575	14.4	91.0	23.52
	1800	254T	**850698**	238	575	15.6	92.4	23.52
	1200	284T	**850699**	365	575	16.0	91.7	26.30
20	3600	256T	**850700**	263	575	18.4	91.0	25.27
	1800	256T	**850701**	263	575	20.0	93.0	25.27
	1200	286T	**850702**	385	575	21.6	91.7	27.80
25	3600	284TS	**850703**	365	575	23.2	91.7	24.94
	1800	284T	**850704**	366	575	25.2	93.6	26.30
	1200	324T	**850705**	550	575	26.8	93.0	28.87
30	3600	286TS	**850706**	385	575	28.0	91.7	26.44
	1800	286T	**850707**	385	575	29.6	93.6	27.80
	1200	326T	**850708**	570	575	32.8	93.0	30.37
40	3600	324TS	**850709**	546	575	36.8	92.4	27.37
	1800	324T	**850710**	550	575	41.2	94.1	28.87
	1200	364T	**850711**	875	575	40.0	94.1	31.50

✔ Normally-closed thermostats.

NEMA Premium

MEETS OR EXCEEDS LEESON EPACT ELECTRIC EFFICIENCY MANDATES

EXPLOSION-PROOF MOTORS • 575 VOLTS

THREE PHASE • CAST IRON

RIGID BASE • THREE PHASE • CAST IRON FRAME

CLASS I, GROUP C & D—CLASS II, GROUPS F & G • WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
50	3600	326TS	**850712**	570	575	45.6	93.0	28.87
	1800	326T	**850713**	570	575	49.2	94.5	30.37
	1200	365T	**850714**	875	575	49.6	94.1	32.50
60	3600	364TS	**850715**	875	575	56.4	93.6	29.38
	1800	364T	**850716**	825	575	57.6	95.0	31.50
	1200	404T	**850717**	850	575	57.6	94.5	31.50
75	3600	365TS	**850718**	875	575	69.6	93.6	30.38
	1800	365T	**850719**	875	575	71.2	95.4	32.50
	1200	405T	**850720**	1100	575	72.8	94.5	37.12
100	3600	405TS	**850721**	1100	575	88.0	94.1	34.12
	1800	405T	**850722**	1100	575	91.2	95.4	37.12
	1200	444T	**850723**	1760	575	94.4	95.0	41.25
125	3600	444TS	**850724**	1760	575	109.6	95.0	37.50
	1800	444T	**850725**	1760	575	116.8	95.4	41.25
	1200	445T	**850726**	2050	575	124.0	95.0	43.19
150	3600	445TS	**850727**	2050	575	133.6	95.0	37.50
	1800	445T	**850728**	2050	575	137.6	95.8	43.19
	1200	445T	**850729**	2150	575	145.6	95.8	43.19
200	3600	445TS	**850730**	2050	575	177.6	95.4	37.50
	1800	445T	**850731**	2200	575	180	96.2	43.19
	1200	445T	**850732**	2300	575	194.4	95.8	51.69
250	3600	449TS*	**850733**	2200	575	220	95.4	47.97
	1800	449T*	**850734**	2200	575	232	95.0	51.69
	1200	449T*	**850735**	2500	575	240	95.4	51.69

***Class I, Group D—Class II, Groups F & G.**

C FACE WITH RIGID BASE • THREE PHASE CAST IRON FRAME

CLASS I, GROUP D—CLASS II, GROUPS F & G WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 575 V.	% F.L. Eff.	"C" Dim. (Inches)
3	3600	182TC	**850736**	90	575	3.0	86.5	17.12
	1800	182TC	**850737**	91	575	3.2	89.5	17.12
	1200	213TC	**850738**	138	575	3.5	89.5	20.18
5	3600	184TC	**850739**	125	575	5.0	88.5	17.12
	1800	184TC	**850740**	125	575	5.0	89.5	17.12
	1200	215TC	**850741**	155	575	5.5	89.5	20.18
7½	3600	213TC	**850742**	138	575	7.6	89.5	20.18
	1800	213TC	**850743**	138	575	8.0	91.7	20.18
	1200	254TC	**850744**	238	575	8.2	91.0	23.52
10	3600	215TC	**850745**	155	575	9.6	90.2	20.18
	1800	215TC	**850746**	155	575	10.4	91.7	20.18
	1200	256TC	**850747**	263	575	10.4	91.0	23.52
15	3600	254TC	**850748**	238	575	14.4	91.0	23.52
	1800	254TC	**850749**	238	575	15.6	92.4	23.52
	1200	284TC	**850750**	365	575	16.0	91.7	26.30
20	3600	256TC	**850751**	263	575	18.4	91.0	25.27
	1800	256TC	**850752**	263	575	20.0	93.0	25.27
	1200	286TC	**850753**	385	575	21.6	91.7	27.80
25	3600	284TSC	**850754**	365	575	23.2	91.7	24.94
	1800	284TC	**850755**	366	575	25.2	93.6	26.30
	1200	324TC	**850756**	550	575	26.8	93.0	28.87
30	3600	286TSC	**850757**	385	575	28.0	91.7	26.44
	1800	286TC	**850758**	385	575	29.6	93.6	27.80
	1200	326TC	**850759**	570	575	32.8	93.0	30.37
40	3600	324TSC	**850760**	546	575	36.8	92.4	27.37
	1800	324TC	**850761**	550	575	41.2	94.1	28.87
	1200	364TC	**850762**	875	575	40.0	94.1	31.50
50	3600	326TSC	**850763**	570	575	45.6	93.0	28.87
	1800	326TC	**850764**	570	575	49.2	94.5	30.37
	1200	365TC	**850765**	875	575	49.6	94.1	32.50
60	3600	364TSC	**850766**	875	575	56.4	93.6	29.38
	1800	364TC	**850767**	825	575	57.6	95.0	31.50
	1200	404TC	**850768**	850	575	57.6	94.5	31.50
75	3600	365TSC	**850769**	875	575	69.6	93.6	30.38
	1800	365TC	**850770**	875	575	71.2	95.4	32.50
	1200	405TC	**850771**	1100	575	72.8	94.5	37.12
100	3600	405TSC	**850772**	1100	575	88.0	94.1	34.12
	1800	405TC	**850773**	1100	575	91.2	95.4	37.12
	1200	444TC	**850774**	1760	575	94.4	95.0	41.25
125	3600	444TSC	**850775**	1760	575	109.6	95.0	37.50
	1800	444TC	**850776**	1760	575	116.8	95.4	41.25
	1200	445TC	**850777**	2050	575	124.0	95.0	43.19
150	3600	445TSC	**850778**	2050	575	133.6	95.0	37.50
	1800	445TC	**850779**	2050	575	137.6	95.8	43.19
	1200	445TC	**850780**	2160	575	145.6	95.8	43.19

✔ Normally-closed thermostats.

EXPLOSION-PROOF MOTORS • 208-230/460 VOLTS

THREE PHASE • CAST IRON

EXPLOSION-PROOF

FOR HAZARDOUS LOCATIONS

Underwriters Laboratories and Canadian Standards Association Listed

General Specifications:

These explosion proof motors are designed and approved for application in hazardous environments having certain explosive gases or materials present.

Features:

Rugged mechanical construction meeting all requirements for safety. UL and CSA listed.

Double shielded, pre-lubricated ball bearings are standard. All motors have inherent automatic overload protection. NEMA 1.0 service factor CX Series.

NEMA 1.15 service factor G Series.

Explosion-proof NEC-size conduit box included at no extra cost.

Normally closed thermostats are standard.

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. No LEESON Motors are listed for Class I, Groups A or B. Please note headings and footnotes for qualifications of specific LEESON motors.

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.

RIGID BASE • THREE PHASE • CAST IRON FRAME

CLASS I, GROUP C & D—CLASS II, GROUPS F & G • WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 460 V.	% F.L. Eff.	"C" Dim. (Inches)
3	1800	182T	**825085**	91	230/460	4.0	89.5	17.12
	1200	213T	**825129**	138	230/460	4.4	89.5	20.18
5	3600	184T	**825086**	125	230/460	6.2	88.5	17.12
	1800	184T	**825087**	125	230/460	6.3	89.5	17.12
	1200	215T	**825130**	155	230/460	6.9	89.5	20.18
7½	3600	213T	**825088**	138	230/460	9.5	89.5	20.18
	1800	213T	**825089**	138	230/460	10.0	91.7	20.18
	1200	254T	**825131**	238	230/460	10.2	91.0	23.52
10	3600	215T	**825090**	155	230/460	12.0	90.2	20.18
	1800	215T	**825091**	155	230/460	13.0	91.7	20.18
	1200	256T	**825132**	263	230/460	13.0	91.0	23.52
15	3600	254T	**825092**	238	230/460	18.0	91.0	23.52
	1800	254T	**825093**	238	230/460	19.5	92.4	23.52
	1200	284T	❄	365	230/460	20.0	91.7	26.30
20	3600	256T	**825094**	263	230/460	23.0	91.0	25.27
	1800	256T	**825095**	263	230/460	25.0	93.0	25.27
	1200	286T	**825134**	385	230/460	27.0	91.7	27.80
25	3600	284TS	**825096**	365	230/460	29.0	91.7	24.94
	1800	284T	**825135**	366	230/460	31.5	93.6	26.30
	1200	324T	**825136**	550	230/460	33.5	93.0	28.87
30	3600	286TS	**825098**	385	230/460	35.0	91.7	26.44
	1800	286T	**825099**	385	230/460	37.0	93.6	27.80
	1200	326T	**825137**	570	230/460	41.0	93.0	30.37
40	3600	324TS	**825100**	546	230/460	46.0	92.4	27.37
	1800	324T	**825101**	550	230/460	51.5	94.1	28.87
	1200	364T	**825138**	875	230/460	50.0	94.1	31.50

✔ Normally-closed thermostats.
❄ Contact Factory for Catalogue Number.

NEMA Premium

MEETS OR EXCEEDS LEESON EPACT ELECTRIC EFFICIENCY MANDATES

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

EXPLOSION-PROOF MOTORS • 208-230/460 VOLTS

THREE PHASE • CAST IRON

RIGID BASE • THREE PHASE • CAST IRON FRAME

CLASS I, GROUP C & D—CLASS II, GROUPS F & G • WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 460 V.	% F.L. Eff.	"C" Dim. (Inches)
50	3600	326TS	**825102**	570	230/460	57.0	93.0	28.87
	1800	326T	**825103**	570	230/460	61.5	94.5	30.37
	1200	365T	**825139**	875	230/460	62.0	94.1	32.50
60	3600	364T	**825104**	875	230/460	70.5	93.6	29.38
	1800	364T	**825105**	825	230/460	72.0	95.0	31.50
	1200	404T	**825140**	850	230/460	72.0	94.5	
75	3600	365TS	**825106**	875	230/460	87.0	93.6	30.38
	1800	365T	**825107**	875	230/460	89.0	95.4	32.50
	1200	405T	**825141**	1100	230/460	91.0	94.5	37.12
100	3600	405TS	**825108**	1100	230/460	110.0	94.1	34.12
	1800	405T	**825109**	1100	230/460	114.0	95.4	37.12
	1200	444T	**825142**	1760	230/460	118.0	95.0	41.25
125	3600	444TS	**825110**	1760	460	137.0	95.0	37.50
	1800	444T	**825111**	1760	460	146.0	95.4	41.25
	1200	445T	**825143**	2050	460	155.0	95.0	43.19
150	3600	445TS	**825112**	2050	460	167.0	95.0	37.50
	1800	445T	**825113**	2050	460	172.0	95.8	43.19
	1200	445T	**825144**	2150	460	182.0	95.8	43.19
200	3600	445TS	**825114**	2050	460	222.0	95.4	37.50
	1800	445T	**825115**	2200	460	225.0	96.2	43.19
	1200	445T	**825145**	2300	460	243.0	95.8	51.69
250	3600	449TS*	**825146**	2200	460	275.0	95.4	47.97
	1800	449T*	**825147**	2200	460	290.0	95.0	51.69
	1200	449T*	**825148**	2500	460	300.0	95.4	51.69

***Class I, Group D—Class II, Groups F & G.**

✔ Normally-closed thermostats.

C FACE WITH RIGID BASE • THREE PHASE CAST IRON FRAME

CLASS I, GROUP D—CLASS II, GROUPS F & G WITH CONDUIT BOX ✔

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 460 V.	% F.L. Eff.	"C" Dim. (Inches)
3	3600	182TC	**825068**	90	230/460	3.8	86.5	17.12
	1800	182TC	**825069**	91	230/460	4.0	89.5	17.12
	1200	213TC	**825149**	138	230/460	4.4	89.5	20.18
5	3600	184TC	**825070**	125	230/460	6.2	88.5	17.12
	1800	184TC	**825071**	125	230/460	6.3	89.5	17.12
	1200	215TC	**825150**	155	230/460	6.9	89.5	20.18
7½	3600	213TC	**825072**	138	230/460	9.5	89.5	20.18
	1800	213TC	**825073**	138	230/460	10.0	91.7	20.18
	1200	254TC	**825151**	238	230/460	10.2	91.0	23.52
10	3600	215TC	**825074**	155	230/460	12.0	90.2	20.18
	1800	215TC	**825075**	155	230/460	13.0	91.7	20.18
	1200	256TC	**825152**	263	230/460	13.0	91.0	23.52
15	3600	254TC	**825076**	238	230/460	18.0	91.0	23.52
	1800	254TC	**825077**	238	230/460	19.5	92.4	23.52
	1200	284TC	**825153**	365	230/460	20.0	91.7	26.30
20	3600	256TC	**825078**	263	230/460	23.0	91.0	25.27
	1800	256TC	**825079**	263	230/460	25.0	93.0	25.27
	1200	286TC	**825154**	385	230/460	27.0	91.7	27.80
25	3600	284TSC	**825080**	365	230/460	29.0	91.7	24.94
	1800	284TC	**825081**	366	230/460	31.5	93.6	26.30
	1200	324TC	**825155**	550	230/460	33.5	93.0	28.87
30	3600	286TSC	**825156**	385	230/460	35.0	91.7	26.44
	1800	286TC	**825082**	385	230/460	37.0	93.6	27.80
	1200	326TC	**825157**	570	230/460	41.0	93.0	30.37
40	3600	324TSC	**825158**	546	230/460	46.0	92.4	27.37
	1800	324TC	**825159**	550	230/460	51.5	94.1	28.87
	1200	364TC	**825160**	875	230/460	50.0	94.1	31.50
50	3600	326TSC	**825161**	570	230/460	57.0	93.0	28.87
	1800	326TC	**825084**	570	230/460	61.5	94.5	30.37
	1200	365TC	**825162**	875	230/460	62.0	94.1	32.50
60	3600	364TSC	**825163**	875	230/460	70.5	93.6	29.38
	1800	364TC	**825164**	825	230/460	72.0	95.0	31.50
	1200	404TC	**825165**	850	230/460	72.0	94.5	31.50
75	3600	365TSC	**825166**	875	230/460	87.0	93.6	30.38
	1800	365TC	**825167**	875	230/460	89.0	95.4	32.50
	1200	405TC	**825168**	1100	230/460	91.0	94.5	37.12
100	3600	405TSC	**825169**	1100	230/460	110.0	94.1	34.12
	1800	405TC	**825170**	1100	230/460	114.0	95.4	37.12
	1200	444TC	**825171**	1760	230/460	118.0	95.0	41.25
125	3600	444TSC	**825172**	1760	460	137.0	95.0	37.50
	1800	444TC	**825173**	1760	460	146.0	95.4	41.25
	1200	445TC	**825174**	2050	460	155.0	95.0	43.19
150	3600	445TSC	**825175**	2050	460	167.0	95.0	37.50
	1800	445TC	**825176**	2050	460	172.0	95.8	43.19
	1200	445TC	**825177**	2160	460	182.0	95.8	43.19

SHADED FRAME INDICATES CAST IRON CONSTRUCTION