



BRAKEMOTORS

Fail-safe positive, stop and hold brakemotors. Brakes are spring set. Load is stopped automatically when power is turned off. LEESON brakemotors feature a power off manual release for convenience, and for use in case of a power failure. The manual release resets automatically. The standard brake is manufactured by Stearns. The brake

coil leads are brought into the conduit box of the motor for easy connection and may be connected to operate when power to the motor is shut off, or to be actuated independent of power to the motor. Three phase motors have brake coils rated 230/460 VAC, 60 Hz. Single phase brake coils are 115/230 VAC, 60 Hz.



SINGLE PHASE • TENV/TEFC • C FACE WITH BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1800	56C	3	114165.00●	28	115/208-230	None	2.9	14.06
1/2	1800	56C	3	111950.00	32	115/208-230	None	4.4	15.06
3/4	1800	56C	6	114167.00	38	115/208-230	None	5.4	15.56
1	1800	56C	6	111951.00☆	38	115/208-230	None	5.3	16.07
1½	1800	145TC	10	121815.00☆	40	115/208-230	None	8.8	18.23
2	1800	145TC	10	121816.00☆	40	115/208-230	None	9.2	19.23

THREE PHASE • DRIP-PROOF • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/2	1800	56	3	114162.00 A	28	208-230/460	2.0	74.0	13.56
3/4	1800	56	6	114163.00 A	29	208-230/460	2.8	77.0	14.06
1	1800	56	6	114164.00 A	32	208-230/460	4.2	78.5	14.06
1½	1800	145T	10	G120370.00 A	44	208-230/460	4.4	84.0	16.00
2	1800	145T	10	G120371.00 A	45	208-230/460	6.0	84.0	16.00
3	1800	182T	15	G131626.00 A	65	208-230/460	8.4	86.5	16.89
5	1800	184T	25	G131627.00 A	95	208-230/460	13.2	87.5	17.89
7½	1800	213T	35	G140611.00 A	130	208-230/460	20.0	88.5	23.01
10	1800	215T	50	G140635.00 A	138	208-230/460	28.0	89.5	25.01

- These motors are totally enclosed, non-ventilated – Others are fan cooled.
- ☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.



THREE PHASE • DRIP-PROOF • C FACE LESS BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/2	1800	56C	3	114156.00	28	208-230/460	2.0	74.0	13.56
3/4	1800	56C	6	114157.00	38	208-230/460	2.8	77.0	14.06
1	1800	56C	6	114166.00	40	208-230/460	3.4	78.5	14.06
1	1800	143TC	6	121678.00 A	42	208-230/460	3.4	78.5	14.50
1½	1800	145TC	10	120372.00 A	43	208-230/460	5.6	78.5	15.50
1½	1800	56C	10	116766.00 A	43	208-230/460	5.6	78.5	15.50
2	1800	145TC	10	120373.00	47	208-230/460	6.2	78.5	16.00
3	1800	182TC	15	131624.00	56	208-230/460	10.0	80.0	16.40
5	1800	184TC	25	131625.00	76	208-230/460	14.2	84.0	17.35

THREE PHASE • DRIP-PROOF • C FACE WITH BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/2	1800	56C	3	111326.00 A	31	208-230/460	2.0	74.0	13.56
3/4	1800	56C	6	111327.00 A	34	208-230/460	2.8	77.0	14.06
1	1800	56C	6	111328.00	42	208-230/460	4.2	78.5	14.06
1½	1800	145TC	10	G121053.00 A	42	208-230/460	4.4	84.0	16.00
2	1800	145TC	10	G121054.00	51	208-230/460	6.0	84.0	16.50
3	1800	182TC	15	G131558.00	84	208-230/460	8.4	86.5	16.90
5	1800	184TC	25	G131559.00	97	208-230/460	13.2	87.5	18.35
7½	1800	213TC	35	G140610.00	115	208-230/460	20.0	88.5	23.51
10	1800	215TC	50	G140638.00 A	125	208-230/460	28.0	89.5	25.01

A Subject to Availability.

Catalog numbers in green are EPACT motors.



THREE PHASE • TEFC • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1800	56	3	114151.00● A	28	208-230/460	1.3	72.0	13.56
1/2	1800	56	3	114150.00● A	33	208-230/460	1.8	78.5	14.06
	1200	56	6	114149.00 A	33	208-230/460	2.4	70.0	15.56
3/4	1800	56	6	114147.00	34	208-230/460	2.8	77.0	15.56
	1200	56	6	114148.00 A	43	208-230/460	3.0	75.5	16.06
1	1800	56	6	114146.00	37	208-230/460	3.8	77.0	16.06
	1800	143T	6	G121679.00	40	208-230/460	3.1	82.5	17.50
	1200	145T	10	G121050.00	45	208-230/460	3.6	80.0	17.52
1½	1800	56	10	116767.00 A	44	208-230/460	4.4	84.0	17.08
	1800	145T	10	G120329.00	44	208-230/460	4.4	84.0	17.52
2	1800	145T	10	G120330.00	53	208-230/460	5.6	84.0	18.00
	1200	184T	15	G131620.00	80	208-230/460	7.2	86.5	20.33
3	1800	182T	15	G131613.00	78	230/460	8.2	87.5	18.83
	1200	213T	35	G140601.00	147	208-230/460	12.0	87.5	26.49
5	1800	184T	25	G131614.00	102	230/460	13.0	87.5	20.78
7½	1800	213T	35	G140603.00	162	208-230/460	20.4	89.5	26.49
10	1800	215T	50	G140636.00	174	208-230/460	26.0	89.5	27.99

THREE PHASE • TEFC • C FACE WITH BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1800	56C	3	110669.00●	30	208-230/460	1.3	72.0	13.56
1/2	1800	56C	3	110670.00●†	34	208-230/460	1.8	78.5	14.06
	1800	56C	3	114154.00	34	208-230/460	2.4	74.0	15.06
	1200	56C	3	114152.00	34	208-230/460	2.4	70.0	15.56
3/4	1800	56C	6	110671.00●†	34	208-230/460	2.5	80.0	14.56
	1800	56C	6	114155.00	46	208-230/460	2.8	77.0	15.56
1	1800	56C	6	110679.00	32	208-230/460	3.6	77.0	15.56
1	1800	143TC	6	G121557.00	43	208-230/460	3.1	82.5	17.50
1½	1800	145TC	10	G121051.00	45	230/460	4.4	84.0	17.50
2	1800	145TC	10	G121052.00	59	208-230/460	5.6	84.0	18.00
3	1800	182TC	15	G131617.00	79	230/460	8.2	87.5	18.83
5	1800	184TC	25	G131618.00	117	230/460	13.0	87.5	20.78
7½	1800	213TC	35	G140605.00	163	208-230/460	20.4	89.5	26.49
10	1800	215TC	50	G140639.00	175	208-230/460	26.0	89.5	27.99



THREE PHASE • TEFC • C FACE LESS BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1800	56C	3	114158.00●	26	208-230/460	1.3	72.0	13.56
1/2	1800	56C	3	114159.00	26	208-230/460	2.0	74.0	15.06
3/4	1800	56C	6	114160.00	34	208-230/460	2.8	77.0	15.06
1	1800	56C	6	114161.00	31	208-230/460	3.6	77.0	15.56
	1800	143TC	6	121556.00	37	208-230/460	3.8	77.0	17.00
1½	1800	56C	10	116768.00	40	208-230/460	5.0	78.5	16.56
	1800	145TC	10	120331.00	40	208-230/460	5.0	78.5	17.00
2	1800	145TC	10	120332.00	51	208-230/460	6.0	84.0	18.00
3	1800	182TC	15	131610.00	69	230/460	9.0	84.0	18.73
5	1800	184TC	25	131611.00	92	230/460	13.2	86.0	19.18
7½	1800	S213TC	35	131612.00	149	230/460	19.6	87.0	25.29
10	1800	215TC	50	140637.00 A	136	208-230/460	26.0	89.5	27.99

- These motors are totally enclosed, non-ventilated.
- † Class F insulated.
- A Subject to Availability.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

Catalog numbers in green are EPACT motors.

WASHGUARD • TENV/TEFC • C FACE WITH BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1800	56C	3	116466.00●	40	208-230/460	1.3	72.0	14.00
1/2	1800	56C	3	116467.00●	42	208-230/460	1.8	78.5	14.50
3/4	1800	56C	6	116468.00●	44	208-230/460	2.5	80.0	15.00
1	1800	56C	6	116469.00●	48	208-230/460	3.2	80.0	15.50
	1800	143TC	6	121616.00●	49	208-230/460	3.2	80.0	16.06
1½	1800	145TC	10	G121617.00	50	208-230/460	4.4	84.0	19.01
2	1800	145TC	10	G121618.00	62	208-230/460	5.6	84.0	19.01

WASHGUARD • TENV/TEFC • C FACE LESS BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1800	56C	3	116462.00●	39	208-230/460	1.3	72.0	14.00
1/2	1800	56C	3	116463.00●	41	208-230/460	1.8	78.5	14.50
3/4	1800	56C	6	116464.00●	43	208-230/460	2.5	80.0	15.00
1	1800	56C	6	116465.00●	45	208-230/460	3.2	80.0	15.50
	1800	143TC	6	121613.00●	46	208-230/460	3.2	80.0	15.56
1½	1800	145TC	10	121614.00	49	208-230/460	5.0	78.5	18.01
2	1800	145TC	10	121615.00	61	208-230/460	6.2	81.5	18.51

ALL-STAINLESS • TENV • C FACE WITH BASE

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/2	1800	56C	3	116483.00●	59	208-230/460	1.6	78.5	15.85
1	1800	56C	6	116484.00●	69	208-230/460	3.0	81.5	15.85

- These motors are totally enclosed, non-ventilated.