

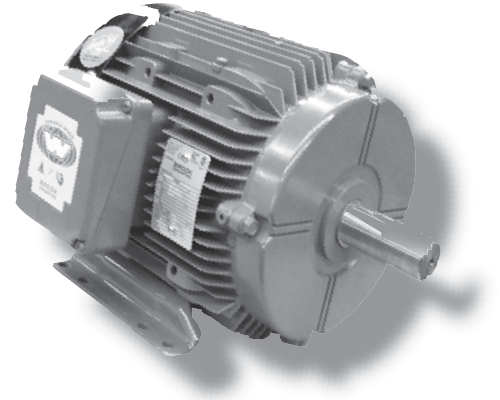
WEIGHT SAVER

NEMA MOTORS

Aluminum construction where weight is a problem Frames 56-215T

Brook Crompton has manufactured with international acceptance this flexible design as an alternative to the heavier Cast Iron designs.

Motors are constructed with weatherproof/hoseproof/dust-proof enclosures as standard.



Features:

- Enclosure IP Code:
Totally Enclosed IP55
- Meets EPA efficiency levels
- Warranty 24 months
- Nameplate Certifications:
CSA ~ C/US, CE, Class 1 Div 2, Groups A,B,C&D
Temperature Class T3

Electrical Characteristics:

- Phase 3
- Frequency 60hz
- Ambient 40 degrees C
- Class F Insulation
- Service Factor 1.15
- Class B Temperature Rise

- Inverter Duty suitable for MG1 Part 31 rating for use with VFD - 5:1 constant torque and 10:1 variable torque speed range
- Motors can be supplied as 50 hz with voltages and approvals to suit export

Application Information:

- The Brook Crompton aluminum motor is widely used in a diverse range of applications internationally from food and drink to water and sewage. From heating and ventilation to refrigeration. Some of the benefits of aluminum over cast iron, include, high resistance to corrosion and atmospheric attack (except chlorine, salt-laden or sulphuric acid) and the fact that aluminum is approximately one third the weight of cast iron.

Construction features:

- By changing the position of the feet, the user is able to obtain right, left or top mounted conduit box positions and by removing the standard endshield you can change to a flange or face version
- Materials: Aluminum frame, endshields, conduit box, Sheet Metal fan cover and polypropylene fan
- Oversize conduit box
- Bearings are greased for life
- Bearing Protection: Oil seals fitted at both ends
- Shaft Material: High strength carbon steel
- Exterior treated with Epoxy powder coat

DOE No. CC047A



kW	HP	F.L. RPM	Frame	F.L. Amps		Efficiency			Power Factor			LRT %	LOCKED ROTOR AMPS		BDT %	NEMA Code	Noise Level dB (A)	EST WT (lbs)
				460V	575V	FL	0.75 FL	0.50 FL	FL	0.75 FL	0.50 FL		460V	575V				
0.2	0.25	1740	56	0.5	0.4	75.5	74.0	72.0	0.63	0.57	0.46	250	2.5	2	300	J	54	22
		1140	56	0.7	0.5	72.0	70.0	61.0	0.50	0.44	0.35	220	2.7	2.2	260	K	54	22
		820	56	0.8	0.7	57.5	52.0	42.0	0.47	0.43	0.35	200	2.3	1.85	250	J	51	22
0.25	0.33	3400	56	0.6	0.5	57.5	55.0	45.0	0.86	0.79	0.71	330	3.4	2.7	320	K	62	22
		1700	56	0.6	0.5	80.0	80.0	73.0	0.72	0.62	0.50	200	2.5	2	285	H	54	22
		1140	56	0.9	0.7	62.0	59.0	53.0	0.55	0.46	0.36	240	3.5	2.8	270	J	54	22
		820	56	1.2	0.9	62.0	57.0	48.0	0.45	0.40	0.33	210	3.1	2.5	265	J	51	22
0.37	0.5	3400	56	0.8	0.7	68.0	65.0	60.0	0.83	0.79	0.71	250	4.2	3.4	265	H	62	22
		1700	56	0.9	0.7	72.0	72.0	65.0	0.72	0.62	0.50	200	4.1	3.3	250	H	54	22
		1120	56	1.2	1.0	70.0	70.0	64.0	0.55	0.46	0.36	220	4.2	3.4	240	H	54	22
		860	143T	1.3	1.1	64.0	59.0	51.0	0.55	0.47	0.33	165	4	3.2	240	J	56	30
0.55	0.75	3400	56	1.1	0.9	75.5	71.0	64.0	0.82	0.79	0.70	230	6.6	5.3	260	H	62	22
		1700	56	1.4	1.1	78.5	77.0	75.0	0.68	0.61	0.48	220	6.4	5	280	H	54	22
		1140	143T	1.7	1.4	72.0	69.0	64.0	0.57	0.50	0.40	240	6.5	5.2	280	H	59	30
		860	145T	1.8	1.5	67.0	63.0	55.0	0.57	0.50	0.41	165	5.8	4.6	240	J	56	35
0.75	1	3500	56	1.4	1.1	78.5	77.0	72.0	0.84	0.78	0.68	240	8.8	7	300	H	64	22
		1720	56	1.6	1.3	80.0	80.0	77.0	0.75	0.65	0.49	250	9.1	7.3	270	J	51	22
		1720	143T	1.6	1.3	82.5	80.0	76.0	0.71	0.60	0.48	300	11.5	9.2	320	L	57	30
		1150	145T	1.9	1.5	80.0	78.0	75.0	0.62	0.54	0.40	270	11	8.8	270	K	59	35
		850	182T	2.1	1.7	74.0	74.0	71.0	0.60	0.55	0.42	200	8	6.4	240	H	54	69
1.1	1.5	3500	56	2.1	1.7	81.5	80.0	75.5	0.82	0.77	0.66	300	1.47	11.8	320	J	64	22
		3400	143T	2.0	1.6	82.5	82.5	81.5	0.85	0.82	0.75	260	14.5	11.6	300	J	72	30
		1750	56	2.5	2.0	78.5	80.0	77.0	0.72	0.61	0.50	270	14.9	14.9	330	J	51	22
		1710	145T	2.2	1.8	84.0	84.0	82.5	0.74	0.65	0.52	250	17	13.6	280	L	57	35
		1130	182T	2.4	1.9	85.5	85.5	85.0	0.70	0.62	0.50	220	19	15	250	H	56	69
		850	184T	2.1	2.5	77.0	77.0	73.0	0.60	0.55	0.42	200	12	9.6	240	H	54	73
1.5	2	3400	145T	2.6	2.1	84.0	85.0	84.0	0.85	0.82	0.75	300	24	19.6	350	L	72	35
		1710	145T	3.0	2.4	84.0	84.0	82.5	0.77	0.70	0.58	250	23	18	280	L	57	35
		1130	184T	3.1	2.5	86.5	86.5	86.0	0.75	0.67	0.55	220	24	19	250	H	56	73
		860	213T	3.3	2.7	82.5	82.5	80.0	0.68	0.59	0.45	190	14	11	230	H	54	110
2.2	3	3480	182T	3.5	2.8	85.5	85.5	85.0	0.92	0.90	0.85	300	32	25.6	320	K	64	69
		1750	182T	4.0	3.2	87.5	87.5	86.5	0.83	0.76	0.64	250	32	25.6	300	K	58	69
		1140	213T	4.3	3.4	87.5	87.5	87.0	0.75	0.67	0.55	220	30	24	250	J	56	110
		860	215T	4.9	3.9	84.0	84.0	81.0	0.68	0.59	0.45	190	25	20	230	H	54	123
3	5	3460	184T	5.7	4.6	87.5	87.5	87.0	0.93	0.91	0.88	300	46	37	320	J	64	73
		1740	184T	6.3	5.0	87.5	87.5	87.0	0.85	0.78	0.67	240	46	37	290	J	58	73
		1150	215T	7.1	5.7	87.5	87.5	87.0	0.75	0.67	0.55	220	45	36	140	H	56	123
5.5	7.5	3480	213T	8.5	6.8	88.5	88.5	88.0	0.93	0.91	0.87	220	63	51	250	H	60	110
		1740	215T	9.3	7.5	89.5	89.5	89.0	0.84	0.81	0.74	200	62	50	240	H	58	123
7.5	10	3480	215T	11.2	9.0	89.5	89.5	89.0	0.93	0.91	0.87	220	81	65	240	H	60	123
		1750	215T	12.5	10.0	89.5	89.5	89.0	0.84	0.81	0.74	200	81	65	240	H	58	123