

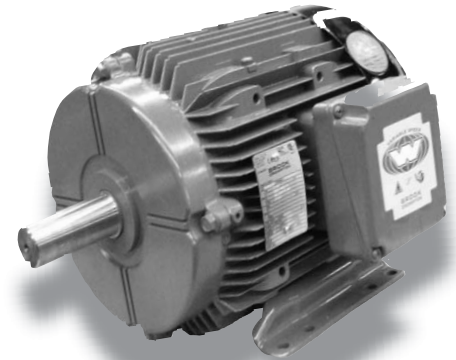
WEIGHT SAVER

IEC MOTORS

Aluminum construction where weight is a problem Frames 63-132

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**

HP	KW	FRAME	RPM	AMPS		EFFICIENCY			POWER FACTOR			LRT %	LRC LOCKED		BDT %	NOISE LEVEL dB(A)
				460V	575v	FL	0.75FL	0.50FL	FL	0.75FL	0.50FL		460V	575V		
0.25	0.18	63	3370	0.6	0.4	64.0	660	570	64	54	42	220	17	14	220	48
		63	1645	0.8	0.6	58.0	620	570	52	45	37	200	18	14	200	38
		71	1056	0.8	0.6	61.0	590	530	57	50	39	187	23	18	175	46
0.33	0.25	80	3370	0.6	0.5	65.0	640	580	78	68	57	230	27	22	250	58
		63	1655	0.7	0.6	70.0	700	670	64	54	41	200	23	19	210	41
		71	1105	0.7	0.6	68.0	650	570	65	56	45	200	27	21	230	55
0.5	0.37	71	3370	0.9	0.7	71.0	720	680	75	64	50	230	37	30	240	58
		80	1655	1.0	0.8	73.0	730	690	63	54	42	220	37	30	220	41
		71	1105	1.1	0.9	65.0	590	510	65	55	43	200	37	29	220	55
0.75	0.55	71	3370	1.2	1.0	74.0	760	760	79	68	51	220	54	43	240	58
		80	1680	1.4	1.1	77.0	750	720	65	56	46	220	63	50	230	48
		90S	1105	1.5	1.2	71.0	710	670	66	55	41	200	52	42	220	55
1	0.75	71	3420	1.6	1.3	78.0	780	740	77	73	61	250	87	69	275	59
		80	1680	1.8	1.0	77.0	770	740	70	60	48	220	79	45	230	48
		80	1150	1.9	1.5	80.0	780	750	62	54	40	270	110	88	270	68
1.5	1.1	90L	3420	2.3	1.8	79.0	780	730	80	74	64	250	144	115	275	59
		80	1720	2.2	1.8	84.0	840	825	74	65	52	250	169	135	280	57
		80	1130	3.0	2.4	77.0	760	740	60	50	40	280	150	120	300	68
2	1.5	90S	3460	2.6	2.1	84.0	850	840	85	82	75	300	246	196	350	69
		100L	1720	2.9	2.3	84.0	840	825	77	70	58	250	233	186	280	57
		80	1140	4.4	3.5	77.0	760	730	56	47	37	250	198	158	280	66
3	2.2	90L	3460	3.7	3.0	85.5	885	855	87	84	75	300	333	267	350	69
		90L	1730	4.1	3.3	84.0	855	840	80	74	62	220	267	215	250	59
		100L	1140	4.8	3.9	81.5	815	790	70	60	47	250	278	226	280	58
4	3	90L	3470	4.9	3.9	87.5	875	865	88	85	75	280	441	351	300	64
		90L	1730	5.5	4.4	85.5	865	855	80	74	62	220	358	286	250	59
		100L	1150	6.1	4.8	87.5	875	855	71	64	52	220	397	312	270	62
5.5	4	112M	3470	6.2	4.9	87.5	885	875	93	90	84	300	558	441	310	65
		90L	1740	7.2	5.7	87.5	875	865	80	73	60	250	540	428	280	60
		100L	1150	6.0	6.4	87.5	875	955	72	65	55	200	390	416	250	62
7.5	5.5	112M	3490	6.7	6.9	88.5	895	885	90	86	79	260	583	600	290	59
		132S	1750	9.4	7.5	89.5	895	885	82	76	64	250	752	600	280	63
		100L	1150	11.1	8.9	86.5	865	840	72	65	55	220	777	623	270	62
10	7.5	100L	3500	11.6	9.2	89.5	902	895	91	87	80	280	1044	828	310	59
		132M	1750	12.8	10.3	89.5	895	885	82	76	64	250	1024	824	290	63