

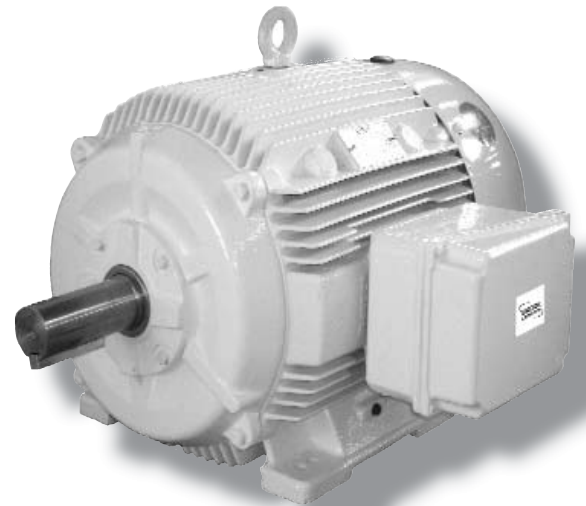
OIL WELL PUMPING

NEMA MOTORS

DATA SHEET

Cast Iron construction for use on Oil Well Beam Pumping Units Frames 215-447T

Brook Crompton has manufactured these motors with the specific requirements of the Oil Well Pumping industry in mind and the low maintenance cost make these motors the obvious choice.



Features:

- Enclosure IP Code: Totally Enclosed IP55
- Warranty 24 months
- Nameplate Certifications: CSA ~ C/US

Electrical Characteristics:

- Phase 3
- Frequency 60hz
- Nema Design D, 5-8% slip
- 230-460-796 volt
- F2 Conduit box location
- 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

Application Information:

- The Brook Crompton Cast Iron, Oil Well Pumping motor is supplied painted in a Synthetic Enamel on an Alkyd High build primer suitable for 200 hours salt spray life tested in accordance with ASTM B117, Color - White

Construction features:

- By changing the position of the rotor F1 mounting arrangements can be attained
- Materials: Cast Iron frame, endshields and oversize conduit box, Sheet Metal Fan Cover

- V Ring slinger on shaft
- Double sealed bearings up to 215T frame, regreasable bearings for 254T and larger
- Altitude 3300ft (1000m)
- Shaft Material: 1045 carbon steel
- Stainless Steel Nameplate
- NPT threaded Terminal Box
- Grounding Terminal on frames and inside conduit box



HP	Frame	FL Speed RPM	FL Amps @			LR KVA Code	FLT Lb.Ft	LRT % FLT	BDT % FLT	Efficiency %			Power Factor			SF Rotor	Locked Time Hot/Cold (s)	Weight Lb
			230V	460V	796V					FL	0.75 FL	0.5 FL	FL	0.75 FL	0.5 FL			
3	215T	1140	9.3	4.7	2.7	K	14.1	320	300	79	79	78	0.75	0.7	0.58	1.15	20/56	150
5	215T	1140	15.1	7.5	4.4	J	23.4	320	300	81	81	79	0.76	0.7	0.6	1.15	25/55	174
7.5	254T	1140	21	10	6	H	34.1	300	320	84	84	82	0.8	0.76	0.66	1.15	14/31	266
10	256T	1140	27	14	8	H	46.5	300	320	87	87	85	0.8	0.76	0.66	1.15	19/42	315
15	284T	1130	40	20	11	G	68.5	300	320	87.1	87	85	0.8	0.76	0.66	1.15	20/56	462
20	286T	1130	54	27	16	G	93.5	300	320	87.5	87	85	0.8	0.76	0.66	1.15	20,56	462
25	324T	1135	65	33	19	G	114.8	320	340	89	89	87	0.8	0.76	0.68	1.15	20/56	620
30	326T	1145	78	39	22	G	136.5	320	340	89	88	87	0.8	0.76	0.68	1.15	19/42	620
40	364/5T	1145	101	51	29	G	186.9	300	320	89.5	89.5	88.5	.83	0.8	71	1.15	34/75	825
50	404/5T	1145	122	61	35	G	229.5	300	320	89.5	89.5	88.5	.85	0.81	0.74	1.15	18/40	1100
60	404/5T	1145	147	74	43	G	277.9	300	320	90.2	90.2	89.5	.85	0.81	0.74	1.15	28/62	1345
75	444/5T	1145	183	91	53	F	342.7	300	320	89	88	87	0.85	0.81	0.74	1.15	30/66	1544
100	444/5T	1145	249	124	72	G	469.4	300	320	89	88	87	0.85	0.81	0.74	1	30/66	1980
125	445T	1145	295	148	85	G	579.5	300	320	90	91	88	0.85	0.81	0.74	1	30/66	2200
150	447T	1145	353	177	102	G	679.4	300	320	92	92	89	0.85	0.81	74	1	30/66	2300