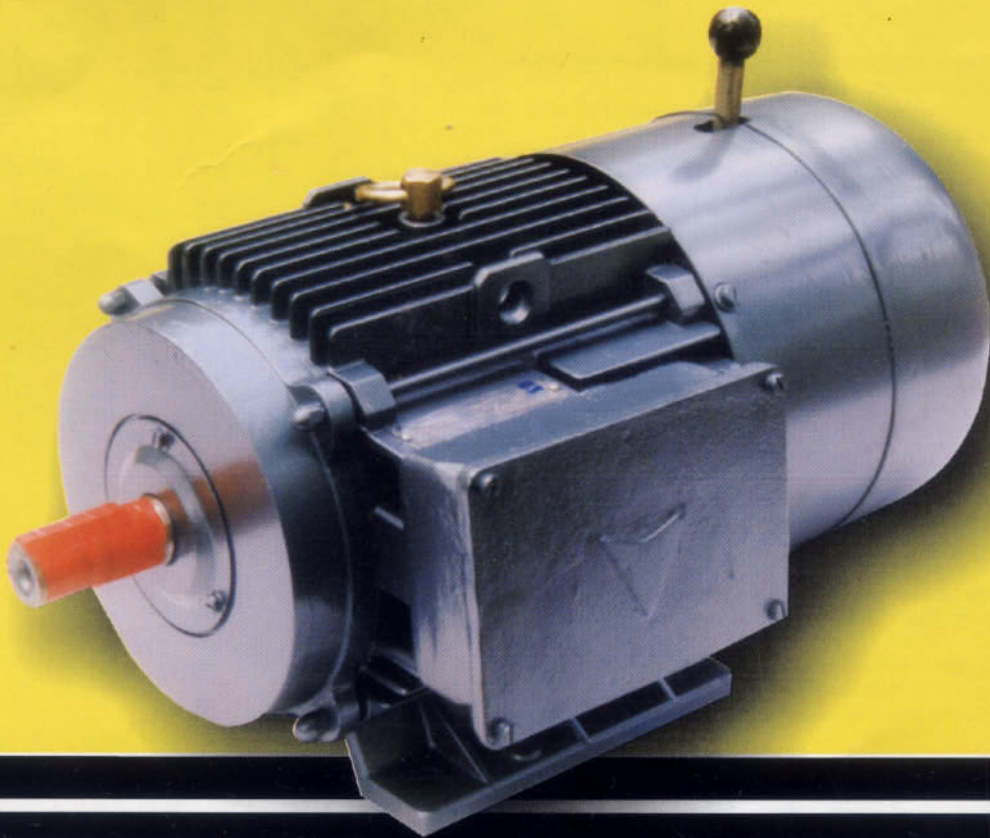


KIRLOSKAR ELECTRIC

Basic Engineers & Traders

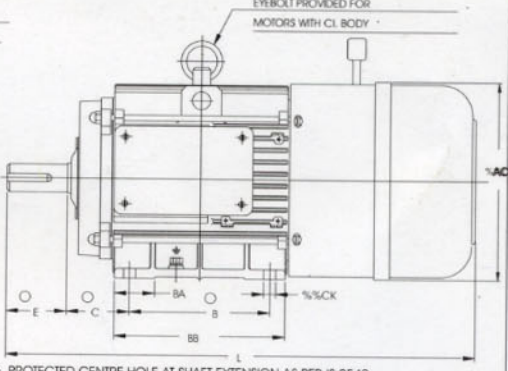
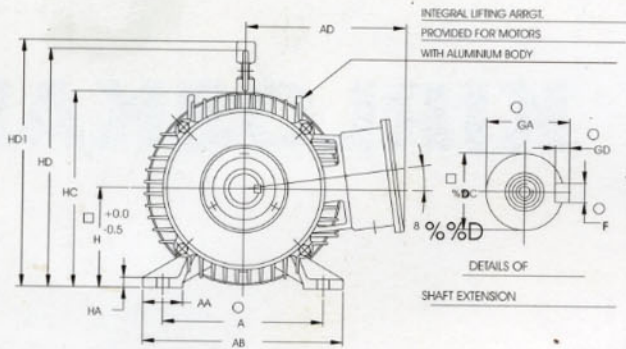
4, Errabalu Street, P. B. No. 39,
Chennai - 600 001. Phone : 25225491 (7 Lines)
Fax : 044-25224627 E-mail : basic@airtelmail.in



Kirloskar

**PRIMO SERIES INTEGRATED
BRAKE MOTORS**





- NOTE :**
- DIMENSIONS ARE AS PER IS:1231
 - DEGREE OF PROTECTION: IP:55.
 - TOLERANCE ON 'D': j6 UPTO & INCLUDING %C28 & k6 FOR %C38 & %C42
 - KEY & KEYWAY ARE AS PER IS:2048 & TOLERANCE ON KEYWAY IS P9.

- PROTECTED CENTRE HOLE AT SHAFT EXTENSION AS PER IS:2540.
 *M4 X 16' FOR 'D'- %C11 *M10 X 24' FOR 'D'- %C28
 *M5 X 12' FOR 'D'- %C14 *M12 X 28' FOR 'D'- %C38
 *M6 X 16' FOR 'D'- %C19 *M16 X 32' FOR 'D'- %C42
 *M8 X 20' FOR 'D'- %C24
- Δ. BRAKE WILL BE SUPPLIED ON REQUEST.

The Manufacturing Unit

Incorporated in the year 1966, Kirloskar Electric Unit-II, Located in Hubli, Manufactures 3 Phase AC Induction Motors, 3 Phase / 1 Phase AC Generators which deliver premium performance even in the toughest jobs.

More than 1.6 million of Kirloskar Electric Motors are installed and operating throughout India & abroad since 1966.

The Product

The Kirloskar Electric 'PB' Series Brake Motors are with new design, offering better performance, light in weight, aesthetically good and reliable. The motors are highly engineered to cope up with sudden load increase, longer thermal life, higher altitudes and voltage variations.

The Features

Kirloskar Electric Integral Brake Motors in "PB" Series are suitable for various industrial applications like textile, machine tools, hoists etc., where instantaneous stopping of the driven equipment is demanded.

"PB" Series Motors are fitted with Electro Magnetic DC Normally On brake.

Before starting the motor, the brake must be energised by applying 190 volts D.C. to the brake coil. The D C supply to be removed only after switch in off the supply to the motor.

The electro-magnetic DC brake is mounted on the non-driving end of the motor. The cooling fan is mounted after the brake for better thermal dissipation and cooling of the brake also.

Motor connection leads and brake coil leads are terminated in a single terminal box for easy connection. Rectifiers are supplied in loose condition and Manual release is provided.

Working Principle.

When D C power supply is given to the brake coil, the magnetic field produced by it, pulls the armature plate against spring force making rotor free to rotate.

When D C power supply to the brake is removed, the armature plate will return to its original position instantly and due to axial force developed on the armature plate by the compression spring will not allow rotor to rotate. This will ensure instant fail safe in case of power failure.

The specification.

- Voltage : 415V +/- 10%
- Frequency : 50Hz +/- 5%
- Combined Variation : +/- 10 %
- Ambient : 50 Deg.C.
- Duty : S1
- Insulation : Class F
- Protection : IP:55
- Enclosure : IC 411
- Mounting : Foot or "B" Flange or Foot & "B" flange.
- Polarity : 4, 6 & 8 Poles.

We can also supply

- Supply voltage 220/380/400/660
- Supply frequency 60Hz.
- Motors to suit for customised Duty cycle.
- Multi speed Motors.
- AC Brakes.
- High braking torque.
- "C" flange mounting

MOTOR Kw	MOTOR rpm	MOTOR FRAME	MOTOR TORQUE N-m	DC BRAKE SIZE	BRAKE TORQUE N-m
0.18	1500	63	1.27	06	4
0.37	1500	71	2.54	06	4
	1000	80	3.88	08	8
	750	90S	5.28	10	16
0.55	1500	80	3.78	08	8
	1000	80	5.77	08	8
	750	90L	7.84	10	16
0.75	1500	80	5.15	08	8
	1000	90S	7.87	10	16
	750	100L	10.39	12	32
1.10	1500	90S	7.50	10	16
	1000	90L	11.42	10	16
	750	100L	15.23	12	32
1.50	1500	90L	10.20	10	16
	1000	100L	15.49	12	32
	750	112M	20.47	14	603
2.20	1500	100L	15.00	12	32
	1000	112M	22.36	14	60
	750	132S	29.61	16	80
3.70	1500	112M	24.72	14	60
	1000	132S	37.21	16	80
	750	160M	49.79	18	150
5.50	1500	132S	36.49	16	80
	1000	132M	55.32	16	80
	750	160M	74.02	18	150
7.50	1500	132M	49.76	16	80
	1000	160M	74.65	18	150
	750	160L	100.93	18	150
9.30	1500	160M	61.70	18	150
	1000	160L	92.56	18	150
11.00	1500	160M	72.48	18	150
	1000	160L	109.48	18	150
	1500	1500	160L	98.84	18

Sl No.	FRAME	A	AA	AB	CA	CD	B	BA	BB	C	D	E	F	GA	GD	H	HA	HC	HD	HD1	CK	L
1	PB63	100	25	125	125	132	80	23	96	40	11	23	4	12.5	4	63	8	124	-	163	7	270
2	PB71	112	25	137	142	140	90	28	106	45	14	30	5	16	5	71	8	140	-	171	7	290
3	PB80	125	30	155	158	130	100	30	120	50	19	40	6	21.5	6	80	10	158	-	190	10	335
4	PB90S	140	35	175	180	140	100	30	120	56	24	50	8	27	7	90	13	178	-	210	10	370
5	PB90L	140	35	175	180	140	125	30	145	56	24	50	8	27	7	90	13	178	-	210	10	395
6	PB100L	160	40	200	195	152	140	40	170	63	28	60	8	31	7	100	15	197	243	230	12	445
7	PB112M	190	40	230	220	170	140	40	180	70	28	60	8	31	7	112	16	221	270	272	12	480
8	Pb132S	216	40	256	262	192	140	40	180	89	38	80	10	41	8	132	17	262	308	318	12	545
9	PB132M	216	40	256	262	192	178	40	218	89	38	80	10	41	8	132	17	262	308	318	12	585
10	PB160M	254	60	314	312	250	210	60	270	108	42	110	12	45	8	160	25	315	380	402	15	716
11	PB160L	254	60	314	312	250	254	60	314	108	42	110	12	45	8	160	25	315	380	402	15	760

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