

dharani[®] MOTORS

ENERGY EFFICIENT MOTORS

Cutting-edge Technology... Powered by Quality...
Designed to Deliver... Engineered for Excellence...



IE2 IE3 CE



0.25 to 75 hp
2/4/6/8 Pole
Single Phase Motors
Three Phase Motors
Brake Motors
Customized Motors



ASIA ENGINEERING

*Thinner steel laminations
decrease eddy current losses*

*More copper wire of larger
diameter in the stator saves
energy by reducing the
resistance of the stator
winding*

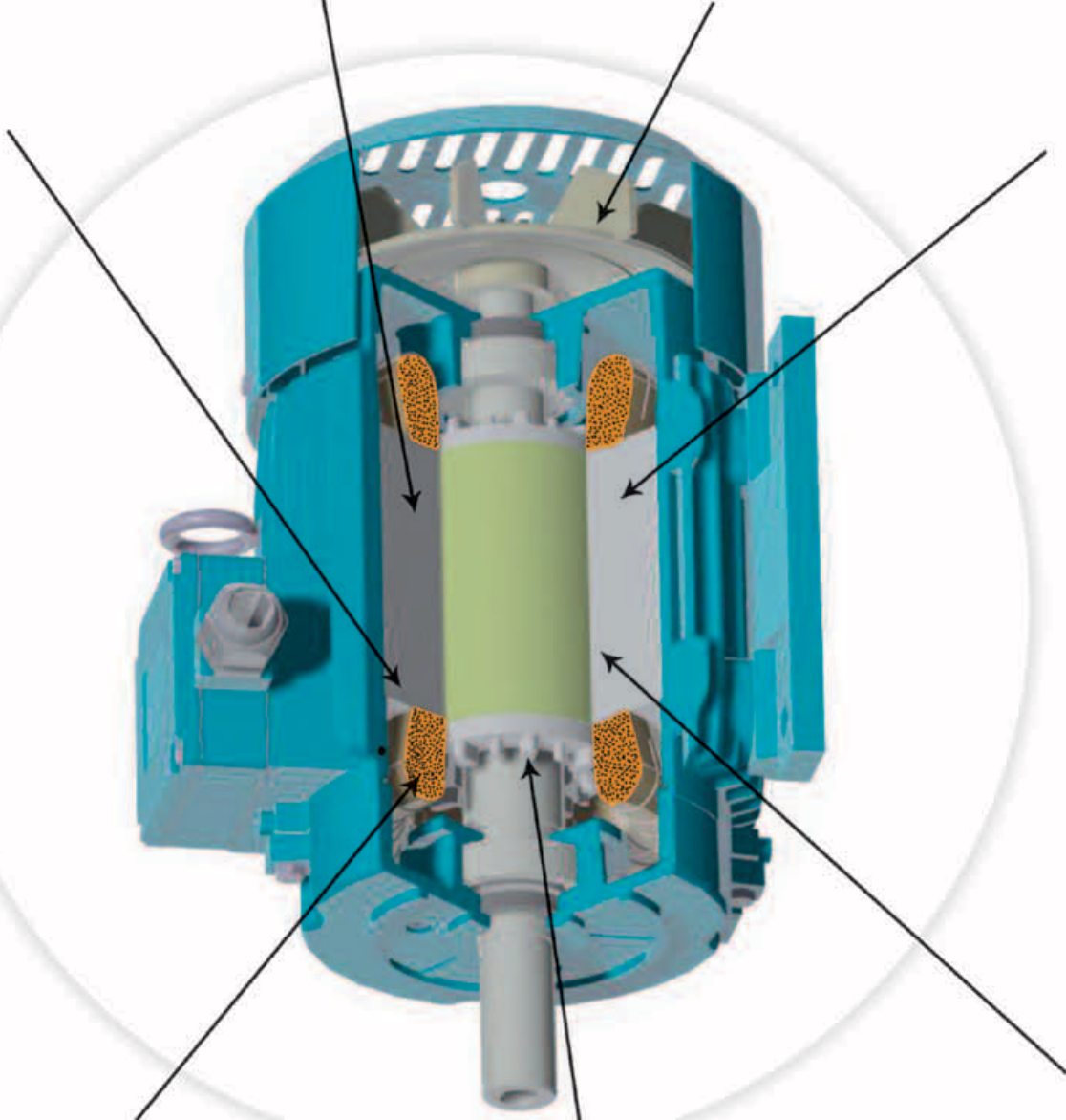
*Longer stator lowers
magnetic density and
increases cooling
capacity. As a result,
both magnetic and load
losses are reduced*

*Efficient cooling fan
design improves air
flow and reduces
power required to
drive the fan*

*Premium grade steel
core reduces hysteresis
power losses*

*Larger conductive bars
and end rings reduce
rotor resistance losses*

*Modified stator slot design helps to
decrease magnetic losses and makes
room for larger diameter wire*



dharanji[®]
 MOTORS – Vision

“We are on our journey with our customers to the right destination with a well-clarified purpose.”

dharanji[®]
 MOTORS – Organisation Purpose

“To grow with continuous learning. To learn to lead customers to definite growth.”

dharanji[®]
 MOTORS – Values



dharani[®] MOTORS – Modern ERA in Energy Efficient Motors

dharani[®] MOTORS are Energy Efficient Motors that gives same output power by consuming lesser amount of power. Energy-efficient **dharani[®] MOTORS** has longer insulation and bearing lives, lower heat output and less vibration. In addition, **dharani[®] MOTORS** are more tolerant of overload conditions and phase imbalance which results in no failures.

Quality Policy

“Asia Engineering is committed to satisfy the customer through Efficient Manufacture and timely supply of Products through involvement of Employees and Suppliers”

Energy Efficient dharani[®] MOTORS - Technical Overview

Standards	: IS 12615 : 2018, IEC/EN 60034 - 1, IEC/EN 60034 - 30 - 1
Frame Size	: 63 to 250M
Output Range	: 0.18 kW to 55 kW 0.25 HP to 75 HP
Number of Poles	: 2/4/6/8
Protection	: IP 55
Phase / Voltage	: 1 ϕ / 3 ϕ 110-240 V / 380-480 V
Frequency	: 50 / 60 Hz
Duty	: S1 Continuous (S2 - S9 upon request)
Mounting Types	: B3 (Foot), B5 (Flange), B14 (Face), B35 (Foot & Flange), B34 (Foot & Face)
Cooling	: IC 411, TEFC, DP, DPFC
Temperature Class	: F Class (Temperature rise limited to B Class)
Ambient Temperature	: -10°C to 60°C
Altitude	: Upto 1000 m above mean sea level

Advantages of Energy Efficient dharani[®] MOTORS

- ❖ Increased Efficiency
- ❖ Vacuum Pressure Impregnation treated
- ❖ Extended motor life and re-greasing intervals due to lower motor temperature
- ❖ Highly reliable with longer bearing life
- ❖ Additional reduction in operating costs
- ❖ Less harmful to the environment due to lower heat generation
- ❖ Very low maintenance cost
- ❖ Mountings can be modified to meet most specifications
- ❖ Spacious terminal box
- ❖ Suitable for VFD applications (To be specified)

Construction Details

- ❖ 63 Frame to 180L Frame - All aluminium construction
- ❖ 80 Frame to 250M Frame - All cast iron construction
- ❖ 63 Frame to 90S Frame Aluminum Body / Cast Iron End Shields
- ❖ Cylindrical shaft made of EN8D/EN 24 on request.
- ❖ Rotors are pressure die cast and dynamically balanced with shaft and key
- ❖ Stator core pack is built from low loss electrical grade steel lamination
- ❖ Terminal box rotation in steps of 90° available
- ❖ Cooling fan made of nylon / aluminium material and designed for better cooling
- ❖ Cooling fan cover made of sheet metal

Performance Data : 3 Phase, 415V, 50 Hz, IE 2

Rated Output HP (kW)	No. of Poles	RPM (sync)	Frame Size/Const.	100% Load			Breakaway	
				RPM	Eff%	A	I rated	T rated
0.25 (0.18)	2	3000	63/AL	2750	60.4	0.84	6.0	1.7
	4	1500	63/AL	1320	64.7	0.82	5.5	1.7
	6	1000	71/AL	860	56.6	0.92	6.0	1.6
0.33 (0.25)	2	3000	63/AL	2750	64.8	1.00	6.0	1.7
	4	1500	71/AL	1330	68.5	1.05	5.5	1.7
	6	1000	71/AL	860	61.6	1.10	6.0	1.6
0.50 (0.37)	2	3000	71/AL	2750	72.2	1.20	6.5	1.7
	4	1500	71/AL	1330	70.1	1.40	6.0	1.7
	6	1000	80/AL	870	69.0	1.40	6.0	1.6
0.75 (0.55)	2	3000	71/AL	2760	74.8	1.60	6.5	1.7
	4	1500	80/AL	1340	75.1	1.70	6.0	1.7
	6	1000	80/AL	870	72.9	1.90	6.0	1.6
1.00 (0.75)	2	3000	80/AL	2780	77.4	2.00	6.5	1.7
	4	1500	80/AL	1360	79.6	2.20	6.0	1.7
	6	1000	90S/AL	890	75.9	2.30	6.0	1.6
1.50 (1.10)	2	3000	80/AL	2790	79.6	2.80	6.5	1.7
	4	1500	90S/AL	1370	81.4	2.90	6.0	1.7
	6	1000	90L/AL/CI	900	78.1	3.20	6.0	1.6
2.00 (1.50)	2	3000	90S/AL	2800	81.3	3.70	6.5	1.7
	4	1500	90L/AL/CI	1380	82.8	3.80	6.0	1.7
	6	1000	100L/AL/CI	900	79.8	4.00	6.0	1.6
3.00 (2.20)	2	3000	90L/AL/CI	2810	83.2	5.00	7.0	1.7
	4	1500	100L/AL/CI	1390	84.3	5.10	7.0	1.7
	6	1000	112M/AL/CI	910	81.8	5.50	7.0	1.5
5.00 (3.70)	2	3000	100L/AL/CI	2820	85.5	8.00	7.0	1.6
	4	1500	112M/AL/CI	1410	86.3	8.10	7.0	1.6
	6	1000	132S/AL/CI	920	84.3	8.80	7.0	1.5
7.50 (5.50)	2	3000	132S/AL/CI	2830	87.0	11.00	7.0	1.6
	4	1500	132S/AL/CI	1420	87.7	12.00	7.0	1.6
	6	1000	132M/AL/CI	920	86.0	12.70	7.0	1.5
10.00 (7.50)	2	3000	132S/AL/CI	2840	88.1	15.00	7.0	1.6
	4	1500	132M/AL/CI	1430	88.7	15.40	7.0	1.6
	6	1000	160M/AL/CI	930	87.2	16.70	7.0	1.5
12.50 (9.30)	2	3000	160M/AL/CI	2840	88.8	18.50	7.0	1.6
	4	1500	160M/AL/CI	1430	89.3	18.50	7.0	1.6
	6	1000	160L/AL/CI	930	88.0	20.50	7.0	1.4
15.00 (11.00)	2	3000	160M/AL/CI	2860	89.4	21.50	7.0	1.6
	4	1500	160M/AL/CI	1440	89.8	22.00	7.0	1.6
	6	1000	160L/AL/CI	935	88.7	23.00	7.0	1.4
20.00 (15.00)	2	3000	160M/AL/CI	2870	90.3	29.00	7.0	1.6
	4	1500	160L/AL/CI	1440	90.6	30.00	7.0	1.6
	6	1000	180L/AL/CI	940	89.7	30.50	7.0	1.4
25.00 (18.50)	2	3000	160L/AL/CI	2880	90.9	35.00	7.0	1.6
	4	1500	180M/AL/CI	1440	91.2	36.00	7.0	1.6
	6	1000	200L/CI	940	90.4	37.50	7.0	1.4
30.00 (22.00)	2	3000	180M/AL/CI	2890	91.3	41.50	7.0	1.6
	4	1500	180L/AL/CI	1440	91.6	43.00	7.0	1.6
	6	1000	200L/CI	945	90.9	44.00	7.0	1.4
40.00 (30.00)	2	3000	200L/CI	2900	92.0	54.00	7.0	1.6
	4	1500	200L/CI	1450	92.3	56.00	7.0	1.6
	6	1000	225M/CI	945	91.7	59.00	7.0	1.4
50.00 (37.20)	2	3000	200L/CI	2900	92.5	67.00	7.0	1.6
	4	1500	225S/CI	1450	92.7	69.00	7.0	1.6
	6	1000	250M/CI	950	92.2	72.00	7.0	1.6
60.00 (45.00)	2	3000	225M/CI	2955	92.9	80.00	7.0	1.6
	4	1500	225M/CI	1460	93.1	84.00	7.0	1.6
75.00 (55.00)	2	3000	250M/CI	2960	93.2	95.00	7.0	1.6
	4	1500	250M/CI	1460	93.5	99.00	7.0	1.6

AL - Aluminium, CI - Cast Iron

0.25 HP to 75 HP - As per IS Standards

Performance Data : 3 Phase, 415V, 50 Hz, IE 3

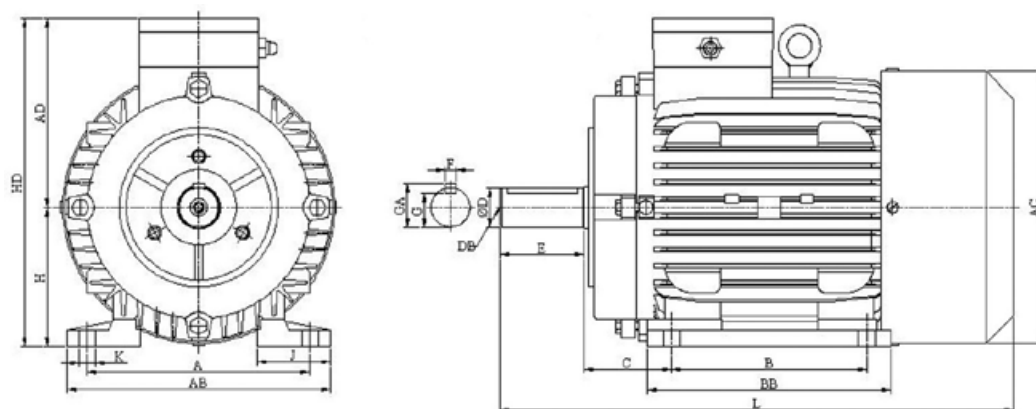
Rated Output HP (kW)	No.of Poles	RPM (sync)	Frame Size/Const.	100% Load			Breakaway	
				RPM	Eff%	A	I rated	T rated
0.25 (0.18)	2	3000	63/AL	2750	65.9	0.84	6.5	1.7
	4	1500	63/AL	1320	69.9	0.82	6.0	1.7
	6	1000	71/AL	860	63.9	0.92	6.5	1.6
0.33 (0.25)	2	3000	63/AL	2750	69.7	1.00	6.5	1.7
	4	1500	71/AL	1330	73.5	1.05	6.0	1.7
	6	1000	71/AL	860	68.6	1.10	6.5	1.6
0.50 (0.37)	2	3000	71/AL	2750	75.5	1.20	7.0	1.7
	4	1500	71/AL	1330	73.0	1.40	6.5	1.7
	6	1000	80/AL	870	71.9	1.40	6.5	1.6
0.75 (0.55)	2	3000	71/AL	2760	78.1	1.60	7.0	1.7
	4	1500	80/AL	1340	78.0	1.70	6.5	1.7
	6	1000	80/AL	870	75.9	1.90	6.5	1.6
1.00 (0.75)	2	3000	80/AL	2780	80.7	2.00	7.0	1.7
	4	1500	80/AL	1360	82.5	2.20	6.5	1.7
	6	1000	90S/AL	890	78.9	2.30	6.5	1.6
1.50 (1.10)	2	3000	80/AL	2790	82.7	2.80	7.0	1.7
	4	1500	90S/AL	1370	84.1	2.90	6.5	1.7
	6	1000	90L/AL/CI	900	81.0	3.20	6.5	1.6
2.00 (1.50)	2	3000	90S/AL	2800	84.2	3.70	7.0	1.7
	4	1500	90L/AL/CI	1380	85.3	3.80	6.5	1.7
	6	1000	100L/AL/CI	900	82.5	4.00	6.5	1.6
3.00 (2.20)	2	3000	90L/AL/CI	2810	85.9	5.00	7.7	1.7
	4	1500	100L/AL/CI	1390	86.7	5.10	7.5	1.7
	6	1000	112M/AL/CI	910	84.3	5.50	7.5	1.5
5.00 (3.70)	2	3000	100L/AL/CI	2820	87.8	8.00	7.7	1.6
	4	1500	112M/AL/CI	1410	88.4	8.10	7.5	1.6
	6	1000	132S/AL/CI	920	86.5	8.80	7.5	1.5
7.50 (5.50)	2	3000	132S/AL/CI	2830	89.2	11.00	7.7	1.6
	4	1500	132S/AL/CI	1420	89.6	11.40	7.5	1.6
	6	1000	132M/AL/CI	920	88.0	12.70	7.5	1.5
10.00 (7.50)	2	3000	132S/AL/CI	2840	90.1	15.00	7.7	1.6
	4	1500	132M/AL/CI	1430	90.4	15.40	7.5	1.6
	6	1000	160M/AL/CI	930	89.1	16.70	7.5	1.5
12.50 (9.30)	2	3000	160M/AL/CI	2840	90.7	18.50	7.7	1.6
	4	1500	160M/AL/CI	1430	91.0	18.50	7.5	1.6
	6	1000	160L/AL/CI	930	89.7	20.50	7.5	1.4
15.00 (11.00)	2	3000	160M/AL/CI	2860	91.2	21.50	7.7	1.6
	4	1500	160M/AL/CI	1440	91.4	22.00	7.5	1.6
	6	1000	160L/AL/CI	935	90.3	23.00	7.5	1.4
20.00 (15.00)	2	3000	160M/AL/CI	2870	91.9	29.00	7.7	1.6
	4	1500	160L/AL/CI	1440	92.1	30.00	7.5	1.6
	6	1000	180L/AL/CI	940	91.2	30.50	7.5	1.4
25.00 (18.50)	2	3000	160L/AL/CI	2880	92.4	35.00	7.7	1.6
	4	1500	180M/AL/CI	1440	92.6	36.00	7.5	1.6
	6	1000	200L/CI	940	91.7	37.50	7.5	1.4
30.00 (22.00)	2	3000	180M/AL/CI	2890	92.7	41.50	7.7	1.6
	4	1500	180L/AL/CI	1440	93.0	43.00	7.5	1.6
	6	1000	200L/CI	945	92.2	44.00	7.5	1.4
40.00 (30.00)	2	3000	200L/CI	2900	93.3	54.00	7.7	1.6
	4	1500	200L/CI	1450	93.8	56.00	7.5	1.6
	6	1000	225M/CI	945	92.9	59.00	7.5	1.4
50.00 (37.20)	2	3000	200L/CI	2900	93.7	67.00	7.7	1.6
	4	1500	225S/CI	1450	93.9	69.00	7.5	1.6
	6	1000	250M/CI	950	93.3	72.00	7.5	1.4
60.00 (45.00)	2	3000	225M/CI	2955	94.0	80.00	7.7	1.6
	4	1500	225M/CI	1460	94.2	84.00	7.5	1.6
75.00 (55.00)	2	3000	250M/CI	2960	94.3	95.00	7.7	1.6
	4	1500	250M/CI	1460	94.6	99.00	7.5	1.6

AL - Aluminium, CI - Cast Iron

0.25 HP to 75 HP - As per IS Standards

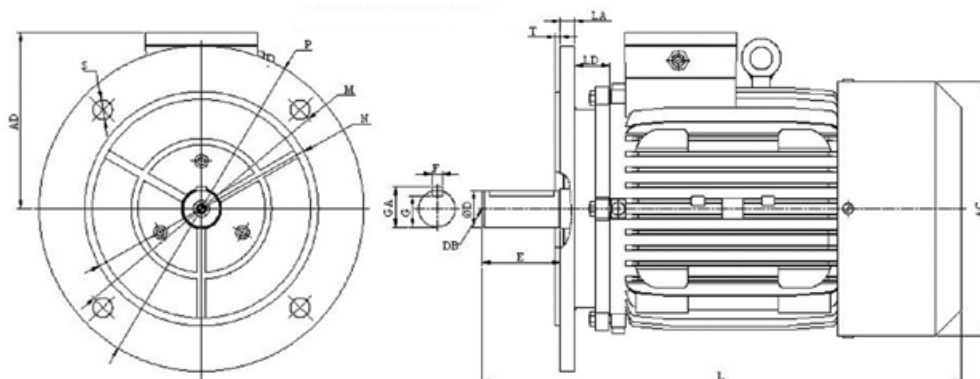
Dimension Details:

THREE PHASE MOTOR : FOOT MOUNTING (B3)



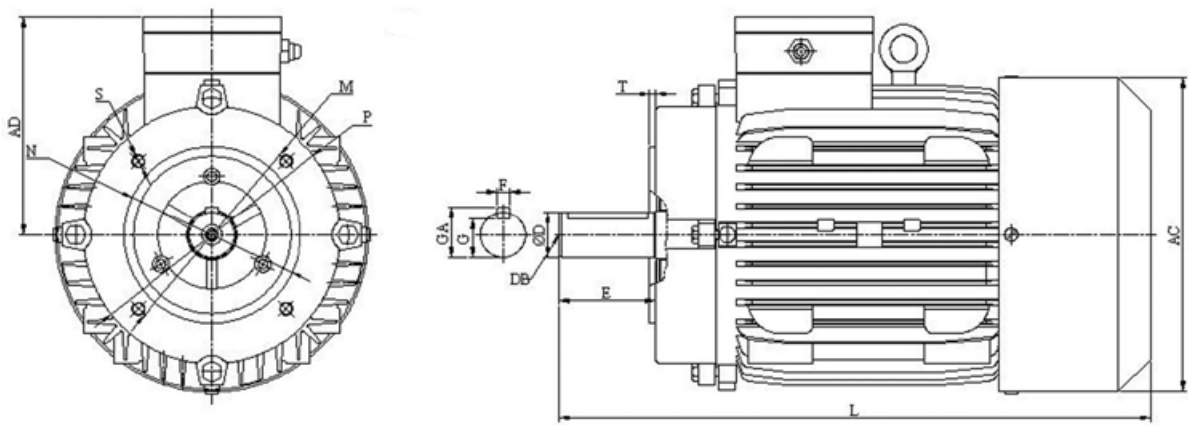
S.No.	Frame size	Mounting Dimensions												Overall Dimensions					
		A	B	C	D	E	F	G	GA	J	H	K	DB	AB	AC	BB	HD	AD	L
1	63	100	80	40	11	23	4	8.5	12.5	27	63	7	M4	118	117	96	154	91	203.5
2	71	112	90	45	14	30	5	11	16	29	71	7.5	M5	132	133.5	110	172	101	246
3	80	125	100	50	19	40	6	15.5	21.5	28	80	15x10	M6	153	160	125	204	124	272
4	90S	140	100	56	24	50	8	20	27	40	90	15x10	M8	170	178	125	216	126	316
5	90L	140	125	56	24	50	8	20	27	46	90	10	M8	170	178	160	224	134	355
6	100L	160	140	63	28	60	8	24	31	53	100	12	M10	200	198	190	241	141	410
7	112M	190	140	70	28	60	8	24	31	61	112	12	M10	220	220	198	265	153	422
8	132S	216	140	89	38	80	10	33	41	66	132	12	M12	245.5	260	180	305	173	480
9	132M	216	178	89	38	80	10	33	41	66	132	12	M12	244	260	240	305	173	507
10	160M	254	210	108	42	110	12	37	45	74	160	15	M16	288	307	264	381	221	580
11	160L	254	254	108	42	110	12	37	45	74	160	15	M16	287.5	307	304	380	220	628
12	180M	279	241	121	48	110	14	42.5	51.5	70	180	15	M16	312.5	353	291	414	234	705
13	180L	279	279	121	48	110	14	42.5	51.5	70	180	15	M16	312.5	353	329	414	234	705
14	200L	318	305	133	55	110	16	49	59	88	200	19	M20	357.5	386	365	454	254	742
15	225S 2 Pole	356	286	149	55	110	16	49	59	94	225	19	M20	395.5	435	346	502	277	778
16	225S 4-6 Pole	356	286	149	60	140	18	53	64	94	225	19	M20	395.5	435	346	502	277	808
17	225M	356	311	149	60	140	18	53	64	94	225	19	M20	395.5	435	371	502	277	808
18	250M 2 Pole	406	349	168	60	140	18	53	64	90	250	24	M20	475	480	404	590	340	900
19	250M 4-6 Pole	406	349	168	65	140	18	58	69	90	250	24	M20	475	480	404	590	340	900

THREE PHASE MOTOR : FLANGE MOUNTING (B5)



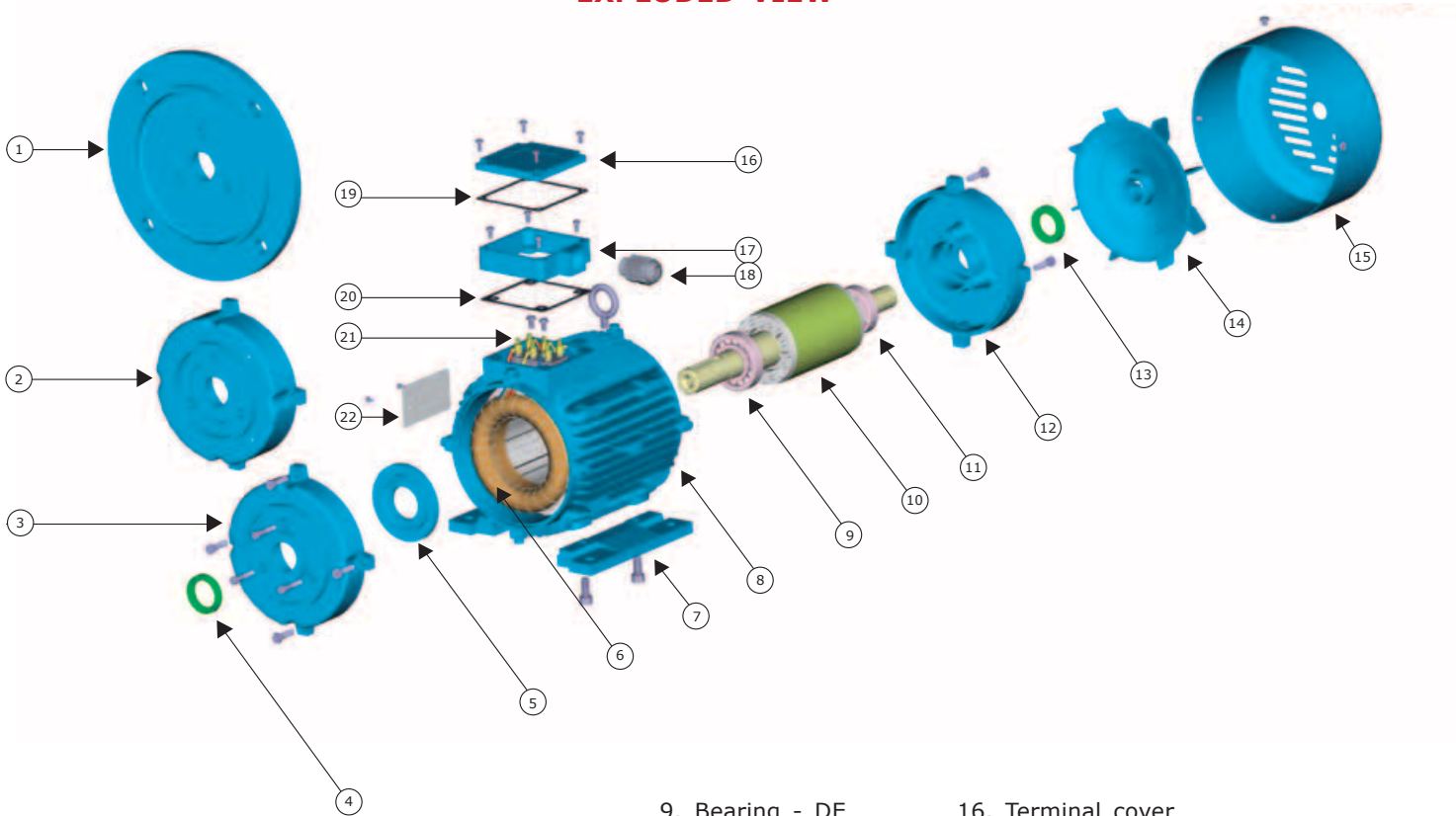
S.No.	Frame size	Mounting Dimensions														Overall Dimensions		
		D	E	F	G	GA	M	N	P	S	No.of Holes	T	LA	LD	DB	AC	AD	L
1	63	11	23	4	8.5	12.5	115	95	140	10	4	3	10	16	M4	117	91	203.5
2	71	14	30	5	11	16	130	110	160	10	4	3.5	10	16	M5	133.5	101	246
3	80	19	40	6	15.5	21.5	165	130	200	12	4	3.5	10	21	M6	160	124	272
4	90S	24	50	8	20	27	165	130	200	12	4	3.5	10	24	M8	178	126	316
5	90L	24	50	8	20	27	165	130	200	12	4	4	10	24	M8	178	138	355
6	100L	28	60	8	24	31	215	180	250	15	4	4	11	27	M10	198	143	410
7	112M	28	60	8	24	31	215	180	250	15	4	4	11	29	M10	220	155	422
8	132S	38	80	10	33	41	265	230	300	15	4	4	12	36	M12	260	195	480
9	132M	38	80	10	33	41	265	230	300	15	4	4	12	36	M12	260	195	507
10	160M	42	110	12	37	45	300	250	350	19	4	5	13	49	M16	307	220	628
11	160L	42	110	12	37	45	300	250	350	19	4	5	13	49	M16	307	220	628
12	180M	48	110	14	42.5	51.5	300	250	350	19	4	5	13	52	M16	353	234	705
13	180L	48	110	14	42.5	51.5	300	250	350	19	4	5	13	52	M16	353	234	705
14	200L	55	110	16	49	59	350	300	400	19	4	5	15	65	M20	386	254	742
15	225S 2Pole	55	110	16	49	59	400	350	450	19	8	5	16	81	M20	435	277	778
16	225S 4Pole	60	140	18	53	64	400	350	450	19	8	5	16	81	M20	435	277	808
17	225S 6Pole	60	140	18	53	64	400	350	450	19	8	5	16	81	M20	435	277	808
18	225M	60	140	18	53	64	400	350	450	19	8	5	16	81	M20	435	277	808

THREE PHASE MOTOR : FACE MOUNTING (B14)



S.No.	Frame size	Mounting Dimensions												Overall Dimensions		
		D	E	F	G	GA	M	N	P	S	No of Holes	T	DB	AC	AD	L
1	63	11	23	4	8.5	12.5	75	60	90	M5	4	2.5	M4	117	91	203.5
2	71	14	30	5	11	16	85	70	105	M6	4	2.5	M5	133.5	101	246
3	80	19	40	6	15.5	21.5	100	80	120	M6	4	3	M6	160	124	272
4	90S	24	50	8	20	27	115	95	140	M8	4	3	M8	178	126	316
5	90L	24	50	8	20	27	115	95	140	M8	4	3	M8	178	138	355
6	100L	28	60	8	24	31	130	110	160	M8	4	3.5	M10	198	143	410
7	112M	28	60	8	24	31	130	110	160	M8	4	3.5	M10	220	155	422
8	132S	38	80	10	33	41	165	130	200	M10	4	3.5	M12	260	195	480
9	132M	38	80	10	33	41	165	130	200	M10	4	3.5	M12	260	195	507

EXPLODED VIEW



- 1. Flange B5
- 2. Flange B14
- 3. Front cover B3
- 4. Front seal

- 5. Bearing cap
- 6. Wound stator
- 7. Body leg
- 8. Motor body

- 9. Bearing - DE
- 10. Rotor with shaft
- 11. Bearing - NDE
- 12. Rear cover
- 13. Rear seal
- 14. Cooling fan
- 15. Cooling fan cover

- 16. Terminal cover
- 17. Terminal box
- 18. Cable gland
- 19. Terminal gasket - Top
- 20. Terminal gasket - Bottom
- 21. Connector
- 22. Name plate

Cutting-edge Technology...
Designed to Deliver...

Powered by Quality...
Engineered for Excellence...

BRAKE MOTORS



Engineers Solution

'dharani' Brake Motors – Modern ERA in Brake Motors

'dharani' Brake Motor is a combination of 'dharani' Energy Efficient TEFC Squirrel cage induction motor and an electromagnetic DC brake. The electromagnetic brake is mounted on the non-driving end of the motor. DC brake motors are with a rectifier which provides the required DC voltage to the brake coil which in turn operates the brake.

Quality Policy

"Asia Engineering is committed to satisfy the customer through Efficient Manufacture and timely supply of Products through involvement of Employees and Suppliers."

Technical Overview

Frame Size	: 63 to 160 L
Output Range	: 0.18 kW to 15 kW 0.25 HP to 20 HP
Number of Poles	: 2/4/6/8
Electricals	: 3 Phase, 415 V, 50 Hz, Class 'F' Insulation
Brake coil voltage	: 24/96/190 V DC
Protection	: IP 54
Mounting Types	: All common Mountings
Cooling Type	: Surface Air and Fan Cooled
Temperature Class	: F Class (Temperature rise limited to B Class)
Ambient Temperature	: -10°C to 40°C
Altitude	: Upto 1000 mtrs above mean sea level

Special Features

- ❖ Brake motors are simple, rugged in construction and easy to maintain.
- ❖ Built-in rectifier – No separate DC supply is required.
- ❖ Backlash free
- ❖ Quick response time
- ❖ Manual release - optional

Applications

'dharani' Brake motors can be used in various applications like:

- ❖ Machine Tools
 - ❖ Textile Machinery
 - ❖ Printing Machinery
 - ❖ Material handling equipment
 - ❖ Rolling Mills
- and many more



MANAGEMENT SYSTEM CERTIFICATE

Certificate no: 152554-2014-AQ-IND-RUK Initial certification date: 12 April 2022 Valid: 12 April 2023 - 11 April 2028

This is to certify that the management system of
Asia Engineering
 S.F. No. 328, Kalapatti Road, Coimbatore - 641048, Tamil Nadu, India

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
**Manufacture & sales of jet centrifugal monobloc and centrifugal monobloc pumps
 Design, manufacture, sales & service of electric motors and submersible pump sets**

Place and date:
Chennai, 08 March 2023

For the issuing office:
DNV - Business Assurance
RCMA, No. 16, GST Road, Alambur Chennai - 600 076, India






Divakaran Madiyath
 Management Representative

Lack of adherence of conditions as set out in the Certification Agreement may render this Certificate invalid.
 ACCREDITED UNIT: DNV Business Assurance R.V., Zeehoeweg 1, 3994 LB, Rotterdam, Netherlands - TEL: +31(0)102020800 www.dnv.com/assurance



COMPLIANCE DOCUMENT



South Asia

 Choose certainty.
 Add value.


This Compliance Document is issued to:
M/s. ASIA ENGINEERING
 S.F NO:328, KALAPATTI ROAD, KALAPATTI POST,
 COIMBATORE-641048, INDIA.

FOR
 Product : ENERGY EFFICIENT INDUCTION MOTOR
 Model/Type No. : Single Phase Motors 0.25 HP to 5.0 HP
 Poles 2/4/6, Type CSR and CSCR.
 Three Phase Motors 0.125HP to 75 HP, Poles: 2/4/6.
 (Refer Annexure -1 & 2)

Below are the Models considered for testing:
 TYPE-1: 3SA80 2P1.00B5 50-6-1-S1-1 1-1;
 TYPE-2: 3SA80 4P1.00B14 50-10-1-S1-4 1-1;
 TYPE-3: 3SA80 4P1.00B14 60-8-2-S1-1 1-1;
 TYPE-4: 3SC132S 4P7.5B3 50-6-1-S1-5 1-2;
 TYPE-5: 1SA80 4P1.00B5-1 60-2-S1-1 1-1;
 TYPE-6: 1SC100L 4P2.0B3-2 50-2-S1-1 1-1;



Test Standards : EN / IEC 60034-1:2017
 Test Report No. : BLR/ENE/SAF/21/1838608-1 &
 BLR/ENE/SAF/21/1838608-2

This is to confirm that a sample of machine was tested to the safety test requirements of Low voltage directive (2014/35/EU) by us at the manufacturing location.



After implementation of the requirements as per test report no. BLR/ENE/SAF/21/1838608-1 & BLR/ENE/SAF/21/1838608-2 issued to the manufacturer, preparation of the necessary technical documentation and signing of the declaration of conformity, CE marking can be affixed on the product. Other relevant directives have to be observed.

The document holder is responsible for the consistent manufacturing of the product in compliance with the test sample submitted to us.

Sr GM-PRODUCT SERVICE - ENE
 Ref No. : Date of Original Issue : Date of revision:
 CD/1838608 : 03rd December, 2021

Note: Products entering the European Union are subject to the requirements set forth in the European Directives. It is the responsibility of the person placing the product on the European market to ensure compliance with applicable Directives. The requirements of directives and standards change from time to time and it is the responsibility of the manufacturer to ensure compliance. Our services are intended to provide you with the data needed to determine compliance, but the person placing the product on the European market still has the responsibility to ensure each product complies with the applicable Directives. The product liability rests with the manufacturer or his representative in accordance with Council Directive 85/374/EEC. This document applies only to the particular model provided for testing and CE certification and does not permit the use of a TÜV PRODUCT SERVICE certification mark. It becomes ineffective in the event of changes relating to products, applicable standards and the Directives.
 TÜV SÜD South Asia Pvt. Ltd. - TÜV SÜD Group - C/O. Saki Vihar Road, Sakinaka - Andheri (East) - Mumbai - 400 072 India



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E-mail : motors@peindia.net

Website : www.dharani-india.com

Toll Free No : 1800 425 50005

The design, manufacture and certifications of dharani products are subject to constant improvement and the product supplied may differ in some details from the given specifications & illustrations.

ASIA ENGINEERING