sasam

INDUCTION MOTORS

SASAM INDUSTRIES PVT. LTD.

THE POWER BEHIND THE DRIVE

ABOUT US

The Initial Start of Sasam Industries Private Limited by Mr. Surjyamani Krishna Gauda a successful businessman in a variety of enterprises. he was forced to begin manufacturing his of Motors.

OUR VISION: -

Sasam Industries, Inc. has been and always will be a family-owned corporation. We treat our distributors like we treat our own family and employees, with trust, honesty, loyalty and above all a commitment to provide on-time Motors of the highest quality at reasonable prices.

OUR MISSION: -

Our mission is to produce quality Motors for moving safely and efficiently, at a reasonable price, backed by superior customer service, with a firm commitment to continually improve in meeting the challenges of the ever-changing global market environment.

OUR GOALS: -

We aim to build and sustain every Motor to achieve its intended use at a legitimate cost. As we grow and widen our reach, we continue to find the best rewards when we keep the customer at the core of our work. So, while a keen eye on the market is vital to our growth, our focus chiefly rests on making the value of our product endure for you, our customer.

FACILITIES

Sasam Industries®, Inc. maintains headquarters in Mumbai, Ambarnath. These factories, offices, warehouse, and test centre situated at Ambarnath.

Sasam Industries ® (India) Pvt. Ltd. operates its manufacturing plants in Metro Mumbai in the Indian state of Maharashtra. Positioned as it is within a densely industrial zone of multinational enterprises, the factories enjoy easy access to road, rail, sea, and air carriage links. Rigorous, leading-edge.

. Another addition to the **Sasam Industries®** complex in Metro Mumbai is the Machine Shop that includes Balancing, Varnishing, Drying and Vertical Turning Lathes, and employs the latest Dassault SolidWorks 3D CAD/CAM software for product design, analysis, and data management. the **Sasam Industries family®** is growing each day. Give us a chance to develop a mutually rewarding relationship.

Mob. +91 99695 47948

Three Phase Motor

TECHNICAL SPECIFICATION							
Frame	KW	HP	RPM	I. Class	Duty	Enclosure	Protection
63 to 160 L	0.18 to 15	0.25 to 20	2900, 1500, 1000, 750	B & F	S1 S2 S3 S4	TEFC TESC	IP 44 IP 55 IP 54

All motor as per IS:325 for Electrical & IS:1231 for Mechanical dimensions. Flange Mounting motor is as per IS-2223 for Flange mounting dimensions. Face mounting ARO motor is as per IS-325 & IS-2223.

D.C. Brake Motor

TECHNICAL SPECIFICATION							
Frame	KW	HP	RPM	I. Class	Duty	Enclosure	Protection
71 to 132 L	0.18 to 5.5	0.25 to 7.5	2900, 1500, 1000, 750	B & F	S3, S4	TEFC TESC	IP 44 IP 55 IP 54

A Brake motor is integral combination of A.C. Induction motor and disk type falls, safe electromagnetic brake unit. These motors are available with any kind of combination i.e. Foot, Flange of Face Mounting.

A.C. Brake Motor

TECHNICAL SPECIFICATION						
KW	HP	RPM	I. Class	Duty	Enclosure	Protection
0.18 to 7.5	0.25 to 10	1500, 1000, 750	B & F	S1	TEFC	IP 55

Vibrating Motor

TECHNICAL SPECIFICATION						
KW	HP	RPM	I. Class	Duty	Enclosure	Protection
0.18 to 3.7	0.25 to 5.0	1500, 1000, 750	B & F	S1	TEFC	IP 44

Application : Conveying, Compacting, Cleaning, Crushing, Filteration etc.

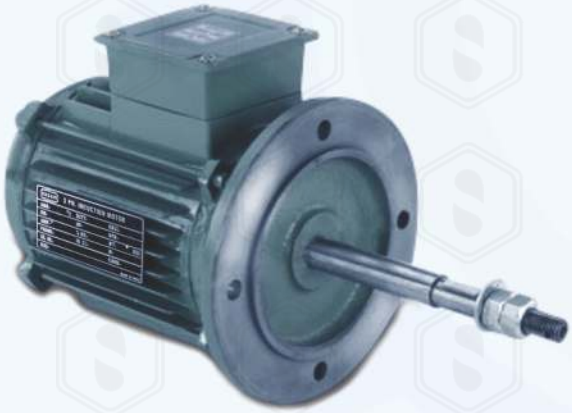
Torque Motor

TECHNICAL SPECIFICATION						
KW	HP	RPM	I. Class	Duty	Enclosure	Protection
0.18 to 5.5	0.25 to 7.5	1500, 1000, 750	B & F	S1	TEFC	IP 44

We also offer Torque motor as per suitable specification.

Cheese Winder Motor

TECHNICAL SPECIFICATION						
KW	HP	RPM	I. Class	Duty	Protection	Application
0.18 to 7.5	0.25 to 1.0	2880	F	S1	IP 55	Cheese Winder Machine



Cooling Tower Motor

TECHNICAL SPECIFICATION						
KW	HP	RPM	I. Class	Duty	Protection	Application
0.75 to 7.5	1.0 to 10.0	720, 960, 1440	F	S1	IP 44	Cooling Tower

Single Phase Motor

TECHNICAL SPECIFICATION							
Frame	KW	HP	RPM	I. Class	Duty	Enclosure	Protection
63 to 112 M	0.18 to 2.2	0.25 to 3.0	1440, 2880	F	S1	TEFC TESC	IP 55

All motor Design as per IEC: 34/7 available in B3, B5 & B14 Mounting.

SINGLE PHASE SPECIAL MOTOR

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TECHNICAL SPECIFICATION			
KW	HP	Enclosure	Protection
0.18 to 15	0.25 to 20	TEFC TESC	IP 44 IP 55 IP 54

Single Phase Motor

We have a skills to acquired our company through its long owing to large production capacity of manufacturing unit. We are able to fulfill bulk and urgent requirements of single phase AC induction Motors. Single Phase AC Induction motor distributes alternating current electric power by using a system in which voltage of supply vary. Quality approved components and latest techniques utilized in manufacturing these motors ensure their premium quality standards.

Range of Production: 0.25 HP to 7.5 HP (0.18 KW to 5.5 KW) Frame 63 to 160 M available in 2 & 4 Pole.

Mounting Details: Single Phase motor available in : Foot (B3), Flange (B5), Face (B14), Combination.

Frame Details: Single phase motor are supplied in a robust, rugged cast iron frame with integral Feet. On request we can supply motor in Aluminum Body up to 100 L Frame.

Voltage & Frequency: Single phase motor - Supply Voltage : 220 ± 5%, 3 Phase, 50 Hz. ±3%. Motors with Supply Voltage : 110, 60 Hz. are also available with us.

Insulation: Single phase motor is supplied with class "B" Insulation as standard feature. We supply "F" Class motor on request of customer.

Shaft Direction: We manufacture and supply all type of motor with clock wise shaft rotation & reverse shaft rotation.

Centrifugal Switch: Centrifugal Switch os heart of single phase motor. A centrifugally operated automatic mechanism used in conjunction with split phase and other type of single phase induction motors. Centrifugal switches will cut out or disconnected the starting winding when rotor has reached predetermined speed and reconnect it when the motor speed falls down. Without such device, the starting winging is susceptible to Rapid overheating and subsequent burnout will occur.

Winding Design: Capacitor start induction motor with high torque suitable for Machine tools, small Compressors, booster Pumps, Atta Chakki etc., where High load criteria and frequent starting or stopping is involve. Resistance start induction motor with moderately high starting torque indeally suited for optimum performance in application like commercial juicer, industrial sewing machine, surgical pumps etc.

Shaft & Rotor: Single phase motor rotor works as positive locking with jointed shaft key which can not move on high load torque. Single phase motor made out of high pressure E.C. grade Aluminum die-cast and shaft are made out of EN-8 to EN-9 Material. Every rotor is dynamically balanced in such a way to result low vibration & noise of motor operation.

Bearing & Lubricants: Bearing of Single phase motor are adequately lubricated with lithium based high temp. up to 150 deg. All motor are supplied with C3 ball bearing & fully charges with lithium base grease at the time of assembly.

TECHNICAL SPECIFICATION							
Frame	KW	HP	RPM	I. Class	Duty	Enclosure	Protection
63 to 160L	0.18 to 7.5	0.25 to 10	3000, 1500, 1000, 750	B E F	S2 S3 S4	TEFC	IP 54

Range: 0.25 HP to 10 HP (0.18KW to 7.5 KW) 63 Frame to 160 L Frame in 2, 4 & 6 Pole.

Voltage: Motor Voltage - for 215 volts ± 5% 50 Hz. ±3%. Motors with Supply Voltage : 110, 60 Hz. are also available with us.

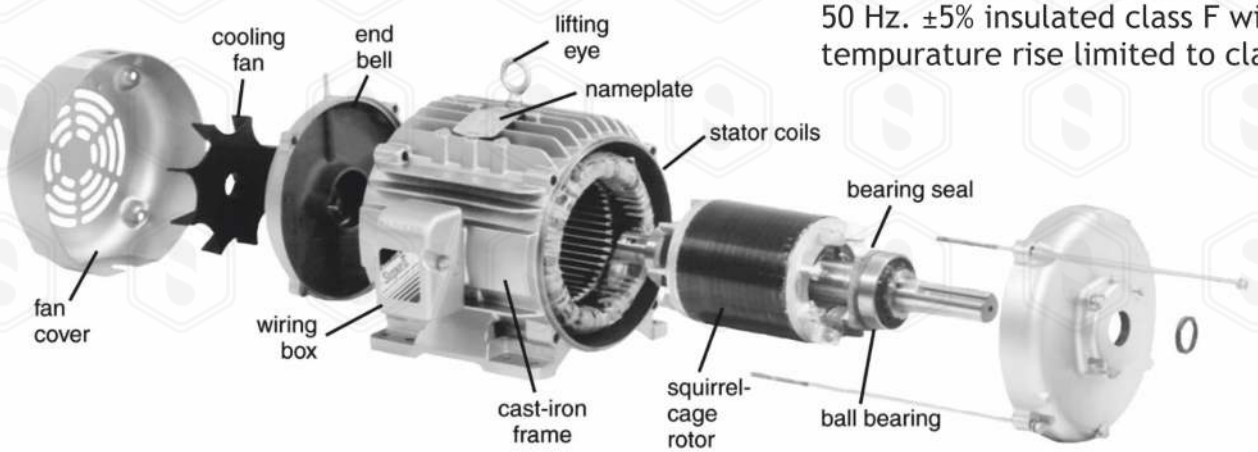
Mounting: Foot - Flange - Face (B3 / B5 / B14)

Insulation: motor is supplied with class "B" Insulation as standard feature. We supply "F" Class motor on request of customer.

Ratings: All Standard single phase motor are continuous (S1) rated to comply with performance standards.

Design: Capacitor start induction motor with high torque suitable for Machine tools, small Compressors, booster Pumps, Atta Chakki etc., where High load criteria and frequent starting or stopping is involve. Resistance start induction motor with moderately high starting torque indeally suited for optimum performance in application like commercial juicer, industrial sewing machine, surgical pumps etc.

Three Phase motor designed for range of rated voltage 415V ± 10%, 50 Hz. ±5% insulated class F with tempurature rise limited to class B.



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PERFORMANCE CHART 3 PHASE MOTOR

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2 Pole = 3000 RPM

Frame	KW	HP	EFF (%)	Current (A)	COS (Φ)	RPM	Torque Rated KG. M
63	0.18	0.25	60.0	0.60	0.76	2800	0.07
71	0.37	0.50	68.0	1.0	0.76	2800	0.13
71	0.55	0.75	70.0	1.35	0.76	2810	0.19
80	0.75	1.0	75.0	1.70	0.78	2820	0.26
80	1.10	1.5	78.0	2.40	0.80	2820	0.37
90S	1.5	2.0	80.0	3.20	0.80	2850	0.51
90L	2.2	3.0	81.0	4.40	0.80	2855	0.75
100L	2.2	3.0	82.0	4.40	0.81	2855	0.75
100L	3.7	5.0	83.0	7.30	0.82	2900	1.24
112M	3.7	5.0	84.0	7.30	0.82	2900	1.24
132S	5.5	7.5	86.0	10.6	0.84	2900	1.85
132M	7.5	10.0	86.0	14.2	0.84	2910	2.50
160M	9.30	12.5	88.0	16.5	0.86	2930	3.10
160M	11.0	15.0	88.0	19.5	0.87	2930	3.60
160L	15.0	20.0	89.0	25.5	0.88	2930	5.00

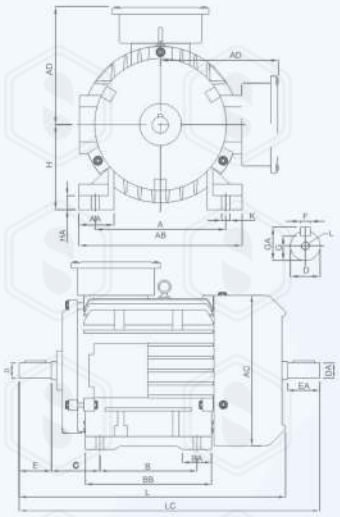
4 Pole = 1500 RPM

Frame	KW	HP	EFF (%)	Current (A)	COS (Φ)	RPM	Torque Rated KG. M
63	0.12	0.16	55.0	0.46	0.66	1376	0.09
63	0.18	0.25	57.0	0.66	0.68	1363	0.13
71	0.25	0.33	60.0	0.80	0.70	1374	0.18
71	0.37	0.50	64.0	1.10	0.69	1370	0.26
80	0.55	0.75	72.0	1.40	0.74	1395	0.38
80	0.75	1.00	73.0	1.90	0.75	1390	0.52
90S	1.10	1.50	75.0	2.80	0.75	1410	0.76
90L	1.50	2.00	78.0	3.40	0.77	1415	1.03
100L	2.20	3.00	81.0	4.80	0.80	1435	1.49
112M	3.70	5.00	84.0	7.60	0.82	1445	2.49
132S	5.50	7.50	86.0	11.0	0.82	1450	3.69
132M	7.50	10.0	87.0	15.0	0.83	1450	5.04
160M	9.30	12.5	88.0	18.0	0.84	1460	6.20
160M	11.0	15.0	89.0	21.5	0.84	1465	7.30
160L	15.0	20.0	90.0	28.4	0.84	1465	9.97

6 Pole = 1000 RPM

Frame	KW	HP	EFF (%)	Current (A)	COS (Φ)	RPM	Torque Rated KG. M
71	0.18	0.25	55.0	0.90	0.63	890	0.20
80	0.37	0.50	65.0	1.20	0.67	930	0.40
80	0.55	0.75	68.0	1.60	0.68	930	0.59
90S	0.75	1.00	74.0	2.00	0.72	935	0.78
90L	1.10	1.50	74.0	2.90	0.70	940	1.15
100L	1.50	2.00	75.0	3.90	0.72	938	1.56
112M	2.20	3.00	82.0	5.00	0.77	950	2.25
132S	3.70	5.00	84.0	8.00	0.78	960	3.75
132M	5.50	7.50	84.0	11.8	0.80	955	5.61
160M	7.50	10.0	86.0	15.8	0.80	970	7.53

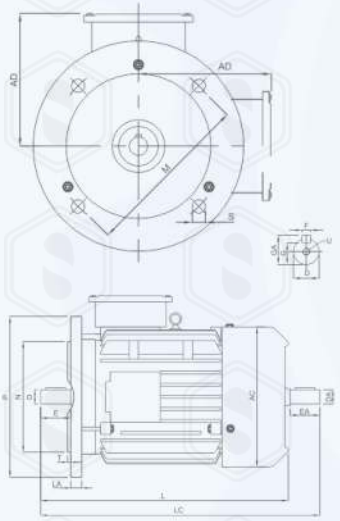
Foot Mounted Motor



Frame	A	AD	B	C	D	E	F	GA	H	K	LC
63	100	115	80	40	11	23	4	12.5	63	7	206
71	112	140	90	45	14	30	5	16	71	3	235
80	125	200	100	50	19	40	6	21.5	60	10	300
90S	140	231	100	56	24	50	8	27	90	10	333
90L	140	231	125	56	24	50	8	27	90	10	333
100L	160	260	140	63	28	60	8	31	100	12	373
112M	190	283	140	70	28	60	8	31	112	12	390
132S	216	317	140	89	38	80	10	41	132	12	440
132M	216	320	178	89	38	80	10	41	132	12	490
160M	254	381	210	108	42	110	12	45	160	15	582
160L	254	381	254	108	42	110	12	45	160	15	625
160M	279	448	241	121	48	110	14	51.5	180	15	670
180L	279	448	279	121	48	110	14	51.5	180	15	706

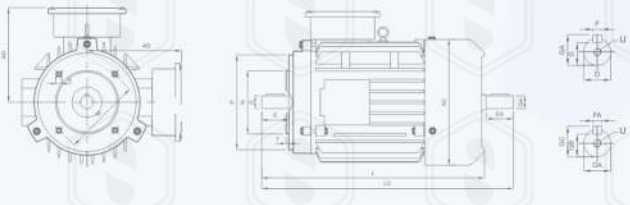
3000	1500	1000	750
0.25/0.33	0.16/0.25	-	-
0.50/0.75	0.33/0.50	-	-
1.0/1.5	0.75/1.0	0.5/0.75	-
2	1.5	1	0.50
3	2	1.5	0.75
5	3	2	1/1.5
-	5	3	2
7.5/1.0	7.5	5	3
12.5	10	7.5	-
15/20	12.5/15	10	5/7.5
25	20	12.5/15	10
30	25	-	12.5
-	30	20	15

Flange Mounted Motor



Frame	AC	AD	D	E	F	GA	L	LA	LC	LD	M	N	P	S	T
63	127	115	11	23	4	12.5	103	9	206	16	115	95	140	10	3
71	142	140	14	30	5	16	120	9	235	16	130	110	160	10	3.5
80	161	200	19	40	6	21.5	140	10	300	16	165	130	200	12	3.5
90S	180	231	24	50	6	27	156	10	333	16	165	130	200	12	3.5
90L	180	231	24	50	8	27	168.5	10	333	16	165	130	200	12	3.5
100L	201	260	28	60	8	31	193	11	373	24	215	180	250	15	4
112M	225	283	28	60	8	31	200	11	390	24	215	180	250	15	4
132S	264	317	38	80	10	41	239	12	440	24	265	230	300	15	4
132M	264	320	38	80	10	41	258	12	490	24	265	230	300	15	4
160M	330	381	42	110	12	45	323	13	582	32	300	250	350	19	5
160L	330	381	42	110	12	45	345	13	625	32	300	250	350	19	5
180M	363	448	48	110	14	51.5	351.5	13	670	32	300	250	350	19	5
180L	363	448	46	110	14	51.5	370.5	13	705	32	300	250	350	19	5

Face Mounted Motor



Frame	M	N	P	S	T	L	LD	AD	AC	D/DA	E/EA	F	G	GA	LC
71	85	70	105	M6	2.5	248	126	111	140	14	30	5	11.0	16.0	275
80	100	80	120	M6	3.0	270	138	130	162	19	40	5	15.5	21.5	317
90S	115	95	140	M8	3.0	304	149	135	181	24	50	8	20.0	27.0	360
90L	115	95	140	M8	3.5	316	185	152	206	28	60	8	24.0	31.0	430
100L	130	110	160	M8	3.5	316	185	152	206	28	60	8	24.0	31.0	430
112M	130	110	160	M8	3.5	382	191	161	230	28	60	8	24.0	31.0	450
132S	165	130	200	M10	3.5	440	230	190	272	38	80	10	33.0	41.0	530
132M	165	130	200	M10	3.5	477	249	190	272	38	80	10	33.0	41.0	567

Mounting Arrangement

B3 | B3/B5 | B5 | B6 | B7 | B8 | B14 | V1 | V3 | V5 | V6

PERFORMANCE CHART 3 PHASE MOTOR

AC motor are suitable for variety of Industrial, Domestic & Other General Purpose Applications.

Range: 0.125 HP to 40 HP
Frame Size: 56 to 200 in 2, 4, 6 & 6 Pole design

STANDARDS

Conformance: IS 325
Dimension: IS 1231 and 2223
Cooling & Ventilation: IS 6362
Degree of Protection: IS 4691 IP-54 / IP-55 (Optional)
Noise: IS 12065

TECHNICAL SPECIFICATION

Voltage: 415V± 6%
Frequency: 50 Hz ±3%
Duty: S1, S2..... up to S8
Class of Insulation: B, F, Class avail on request
Enclose: TEFC
Ambient Temp: 40° C

CONSTRUCTION FEATURES:

Housing: (Stator Frame) Cast Iron body with cooling ribs
Stator: High Silicon Stamping.
Rotor: Core of Insulated lamination with a high pressure dicast aluminum cage. The Whole rotor assembly is dynamically balance to ensure quiet and vibration free operations. Surface or rotor is protected nu anti corrosion coating.
Shaft: Made from High Carbon Steel (EN-8)
Terminal Box: are located at top of the drive and side, sealed against ingress of moisture. Also provided with conduit entry. Earthing Terminal is lifted at the box-side. High air flow external Bi-directional polypropylene fans assure low temperature rise to given an extended life of motor. Fan cowls are suitable gauge pressed steel construction, securely bolted end shield of motor-body.

WEIGHT & SHIPPING DIMENSIONS

FRAME		56	63	71	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L
Wt. (Kg)	Gr.	5	8	11	17	19	23	37	58	85	94	140	167	202	220	298
	Nt.	4	7	10	16	18	22	35	45	60	70	100	135	180	190	260
Box cms	L	24	24	28	32	38	38	45	55	65	65	80	80	90	90	95
	H	16	16	18	19	23	23	24	41	43	43	47	47	48	48	55
	W	22	22	24	27	29	29	34	41	50	50	58	58	60	60	73

BEARING DETAILS										
Frame Size		71	80	90	100	112	132	160	180	200
Bearing No.	DE	6203ZZ	6204ZZ	6205ZZ	6206ZZ	6206ZZ	6308ZZ	6309ZZ	6310ZZ	6312
	NDE	6203ZZ	6204ZZ	6205ZZ	6206ZZ	6206ZZ	6307ZZ	6309ZZ	6310ZZ	6312

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MANUFACTURER SUPPLIES OF ALL TYPES OF INDUCTION MOTORS

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MAKE IN INDIA

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एक कदम स्वच्छता की ओर