

SHREE MAHAAVISHNU ENGINEERING COMPANY

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I - Phase Motor



III - Phase Motor



Tool Grinder



25th
Year
1994 - 2019

MOTORS

COMPRESSORS

Mfrs. & Dealers of : All types of Single & Three Phase Flange, Foot, Face Mounted Motors, Special purpose Industrial Motor, Compressors (Tank, Belt Type, Mono), Flexible & Bench Grinder,

Specialist in Custom Designed Motor

Single Phase Motor

SINGLE PHASE MOTOR SELECTIONCHART

HP	2880 RPM					1440 rpm					960 rpm	
	CS & R		CS CR / CSIR			CS & R		CSCR / CSIR			CSCR	
	Frame		Frame			Frame		Frame			Frame	
0.25	63					71		71	80		80	
0.33	71					71		80	90		90	
0.50	71		80	100		80		80	100		100	
0.75	80		80	100		80		90	100		-	
1.00	80		90	100		90		90	100		100	
1.25	90		90	100		-		100	-		-	
1.50	90		100	112		90		100	-		112	
2.00	90		100	112		100		100	112		112	
3.00			100	112		-		100	112			
4.00				112		-			112			

OPEN TYPE



Phase	
Insulation	Class A
Range	0.25hp to 3 hp
Type	Open type, TEFC type
Rpm	960/1440/2880
Rating	S1, S2
Power Supply	220/110 volts
Mounding	Foot/ face / flange
Cycles	50 Hz / 60Hz

Features

- u Totally enclosed fan cooled type
 - u 180-240 volts 50HZ power supply
 - u Class F insulation
 - u IP44/IP55 Protection
 - u Vacuum Impregnated, stators with an additional moisture proof coating
 - u Pressure Die Cast Aluminium Rotors
 - u Dynamically balanced for vibration - free operation
 - u High quality Centrifugal Switches
 - u Special film wound Aluminium can capacitors
- Very high starting torque (minimum 200%)

TEFC CSCR



CSIR



FLANGE CSCR



CSCR



CSCR



A-CLASS



Three Phase Motor

160 FRAME

THREE PHASE MOTOR FRAME SELECTION CHART

HP / KW	2880 RPM	1440 RPM	960 RPM	720 RPM
0.25	63	63	-	80
0.33	63	71	-	80
0.50	71	71	80	90
0.75	71	80	80	90
1.00	80	80	90	100
1.50	80	90 L	90	100
2.00	90 L	90 L	100	112
3.00	100 L	100 L	112 M	132
5.00	112	112 M	132 S	160
7.50	132 S	132 M	132 M	160
10.00	132 S	132 M	160 M	160
12.50	132 M	160 M	160 L	-
15.00	160 M	160 M	160 L	-
20.00	160 M	160 L	-	-

VIBRATOR MOTOR



FOOT CUM 2 SIDE FLANGE MOUNT



COOLING TOWER MOTOR



Phase	Three phase motor
Insulation	Class A, E, F
Range	0.50hp to 15hp
type	Tefc type
rpm	720/960/1440/2880
Rating	Continues
Power Supply	440 volts 50 Hz
Mounding	Foot/ face/ flange
Cycles	50 Hz / 60 Hz

FLANGE MOUNT



112F



100F



90F



80F



71F

FACE MOUNT



71F

FOOT MOUNT



112F



100F



90F



80F



80F



71F



HEAVY TYPE POLISHER



TOOL GRINDER



POLISHER



TOOL CUM POLISHER



PHASE 1

0.25 HP to 3 HP

PHASE 3

0.25 HP to 10 HP

RPM

2880

DUTY

S1, S2

CYCLE

50Hz

CLASS

A, E, F

For Frame size selection refer 1 Ph & 3 Ph Chart

PEDESTAL STAND



FEATURES

- | These machines are specially designed for removal of heavy metals.
- | Cost competitive | High quality
- | Better productivity | Limits in alignment maintained
- | Economical in power consumption

PEDESTAL GRINDER



PEDESTAL GRINDER



WHEEL GUARD

- | M S Guard is only for heavy type
- | Designed to afford full protection to the worker with maximum freedom of operation
- | Fitted with adjustable spark defectors to provide maximum safety to the operator
- | Fitted with easily detachable covers for quick resetting of wheels

FLEXIBLE GRINDER



HP	1hp to 3 hp
Phase	Single or Three
Rpm	2880
Rating	Continuous
Stone size	8" * 1" or 10" * 1 "

COOLANT PUMP



Coolant pump	
Hp	0.15 & 0.50
Rpm	2880
Rating	Continuous
Phase	Single or three

Industrial Pump



Mjeem Air Compressor

We normally supply the compressor with motor and starters. So customer can avoid complaints on both compressor and motor side as we are manufacturing both in the quality way.

The air compressor are provided with air filter, safety valve, non return valve, drain cock, vee belt drive, meter, adjustable rails. The compressors are manufactured in the range of single stage and two stages. There are ordinary model and after cooler model which are in the powder coated finishing. The Quality used are as follows

- ❖ Forged steel crankshaft
- ❖ Special Graded cast iron finned for quick leaf dissipation
- ❖ Planned for non stop running
- ❖ Splash type lubrication
- ❖ Higher operating efficiency
- ❖ Low expansion Aluminium Alloy piston with std piston rings for positive sealing at elevated temperatures.



AFTER COOLER MODEL



ORDINARY MODEL



ORDINARY MODEL

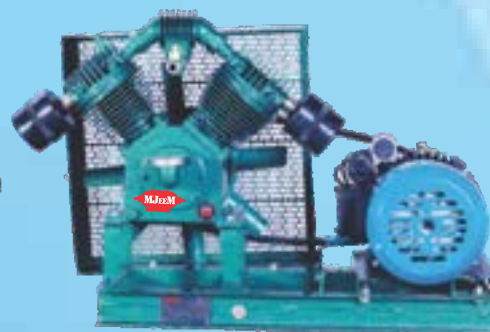
Single stage compressor									
Model No	Tank capacity	No of Cylinder	Rpm	Max pressure		Free air delivery		Motor power	
				Kg/cm2	psi	lpm	Cfm	Hp	Kw
Smec 01	35/55	1	720	5	80	46	1.6	0.5	.33
Smec02	55/70/110	1	720	7	100	93	3.2	1	.75
Smec03	110/135	1	720	7	100	140	4.8	1.5	1.1
Smec 04	135	1	720	8	115	155	5.4	2	1.5
Smec 05	160/200	2	720	9	130	174	6	2	1.5
Smec 06	200/220	2	720	9	130	256	9	3	2.2
Smec 07	250/300	2	720	9	130	443	15	5	3.7
Smec 08	420	2	720	9	130	745	25	7.5	5.5
Smec 09	500	2	720	9	130	950	33	10	

Belt type borewell compressor details

Model	Feet	No of cylinder	Motor hp	Air pipe	Water pipe
Bwc 5	250	1	1	½"	1
Bwc 6	350	1	1.5	½"	1
Bwc 7	420	1	2	½"	1
Bwc 8	500	2	2	½"	1
Bwc 9	600	2	3	½"	1 ¼"
Bwc 10	750	2	5	½"	1 ½"
Bwc 11	850	2	7.5	½"	1 ½"
Bwc 12	950	2	10	¾"	1 ½"



MONO COMPRESSOR OR



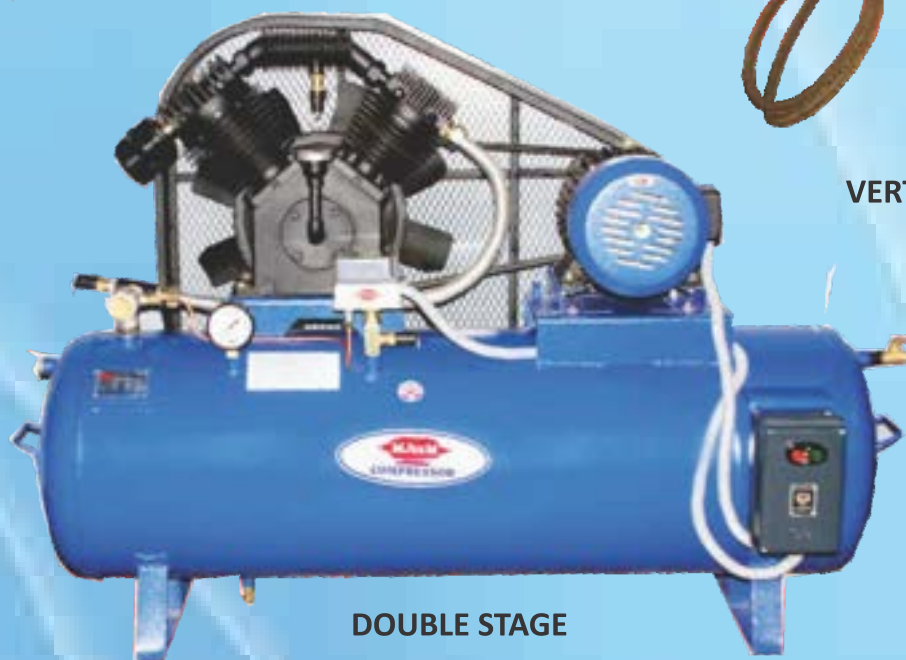
BELT TYPE COMPRESSOR



SINGLE STAGE



VERTICAL AIR RECEIVER



DOUBLE STAGE

Double stage compressor

Model No	Tank capacity	No of Cylinder	Rpm	Max pressure		Free air delivery		Motor power	
				Kg/cm2	psi	lpm	Cfm	Hp	Kw
Smec 10	220	2	920	12	170	246	8.7	3	2.2
Smec 11	250	2	720	12	170	406	14.5	5	3.7
Smec 12	300	3	950	12	170	488	20.2	7.5	5.5
Smec 13	420	3	720	12	170	820	29	10	7.5
Smec 14	500	3	1075	12	170	1220	43.5	15	11

ABOUT US

Shree Mahaavishnu Engineering Company established in 1994, is one of the leading manufacturers of AC Induction Motors and Compressor.

The motors are Compact, Reliable and Robust , Suitable for Variety of Applications like Machine Tools, Textiles, Power Loom, Air-Conditioning, Fans, Compressors, Cranes, Crushers, Pumps, Dairy Equipments, Material Handling, Aqua Culture & Agriculture and Chemical Industries.

The range of products are Standard Motors, Energy Efficient Motors, Dual Speed Motors, Tank Compressor, Borewell Compressor, Vehicle Washer and other Special Motors as per Customers Specification.

Motors are designed for continuous duty at an ambient temp 40° C. Castings for body frame end shields, bearing shields etc., are made out of quality graded grey iron casting which assures fairly long years of utility. Core materials are with low loss high grade silicon stampings. Windings are wound with Polyester enameled 'F' class *copper wire*

Quality of the motor is achieved by a team of highly dedicated, experienced and trained personnel. **Shree Mahaavishnu Engineering Company** meet the exact requirements of modern industries to achieve higher performance and more reliability.

TYPE OF VARIANTS AND MOUNDING ARRANGEMENTS

ELECTRICAL

- | Dual Speed Motor
- | (1440rpm/2880rpm,
- | 720rpm/1440rpm,
- | 960rpm/1440rpm,
- | 720rpm/960rpm)
- | High Frequency Motor (50hz, 60hz)
- | Special Performance Requirements
- | Drive Motor (220v/440v)
- | 110v Single Phase Motor

MECHANICAL VARIANTS AND MOUNDING

- | Foot Mounted
- | Flange Mounted
- | Face Mounted
- | Foot Cum Face Mounted
- | Foot Cum 1 Side Flange
- | Foot Cum 2 Side Flange
- | Special Shaft Extension (Square, Gear)
- | Special Material Shaft (410, 310)

VARIOUS PRODUCTS

- | Single phase motor
- | Three phase motor
- | Cooling tower motor
- | Brake motor
- | Hollow shaft motor
- | Coolant pump
- | Vibrator motor
- | Heavy type industrial mono block pump
- | Tool grinder
- | Tool cum polisher
- | Double side Polisher
- | Flexible grinder
- | Pedestal grinder
- | Dental lathe
- | Tank compressor

Motor Re-winding also undertaken upto 100 HP