

Quality | Efficiency | Reliability



Industrial Series
Energy Saving Air Compressors



INTAKE VALVE

Advance Air Flow Control
System Air Delivery Adjustment Range 0-100%
Balance Air Supply And Air Consumption
Energy Saving



FILTER SYSTEM

Germany Brand Oil Filter
Germany Brand Air Filter
Germany Brand Air Oil Separator
Equipped With Differential Pressure Transducer



AIR END

Large Rotors And Large Bearings To Ensure Low Speed
Linear Screw Rotor
Third Generation 5:6 Male And Female Helical Rotors
Skf Bearings
High Performance, Low Noise, Low Vibration
Outstanding Durability And Long Serving Life



ELECTRICAL COMPONENTS

France Original Schneider Electrical Components
Default Phase Protection
Over Temperature Protection
Idle Load Protection
Automatic Unloading
Automatically Adjust Air Delivery



INTELLIGENT CONTROLLER

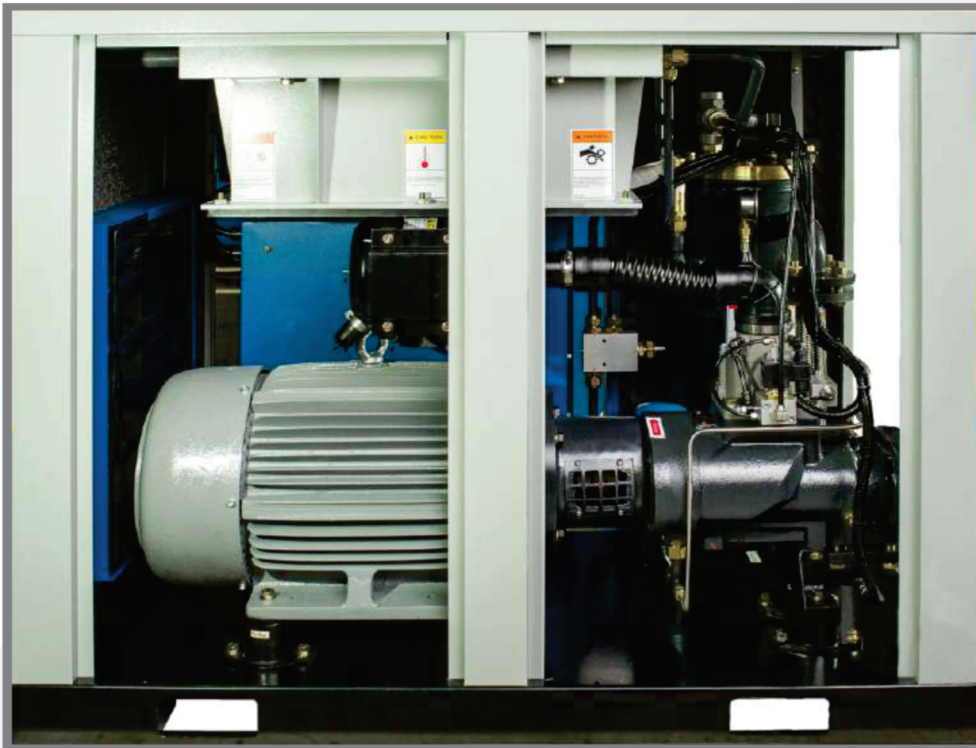
Automatic Reminding For Maintenance & Replacement
Intelligent Human-computer Interface
Automatic Trouble Diagnosis
Automatic Alarm
Communicate With All VFD (Touch+Keypad)



MOTOR

High Efficiency IE3/IE4
Energy Saving
Insulation Grade F
Protection Grade Ip55
Reliable & Long Lasting Durability

Single Stage Screw Air Compressor Fix Speed Series



Model	Power		Flow CFM				Sound	Dimensions	Output
	HP	KW	7 Bar	8 Bar	10 Bar	13 Bar	dBA	L x W x H	Connection
10	10	7.5	45	39	33	28	62+-2	900 x 650 x 920	1 ½"
10	15	11	67	61	54	47	62+-2	940 x 705 x 1120	1 ½"
10	20	15	86	80	75	57	62+-2	980 x 710 x 1030	1 ½"
10	25	18.5	113	108	93	75	68+-2	1300 x 785 x 1185	1 ½"
10	30	22	134	128	114	99	68+-2	1300 x 785 x 1185	1 ½"
10	40	30	186	178	159	134	72+-2	1570 x 895 x 1295	1 ½"
10	50	37	238	224	198	175	72+-2	1570 x 895 x 1295	1 ½"
10	60	45	284	272	252	205	72+-2	1620 X 940 x 1355	1 ½"
10	75	55	372	360	318	300	75+-2	1850 X 1080 X 1635	2"
10	100	75	480	459	410	354	75+-2	2045 X 1250 X 1705	2"
10	125	90	584	548	516	435	75+-2	2340 x 1480 x 1820	DN 50
10	150	110	760	724	618	575	78+-2	2568 x 1620 x 1985	DN 65
10	175	132	928	884	778	725	78+-2	2568 x 1620 x 1985	DN 65
10	200	160	1024	985	869	762	79+-2	2720 x 1750 x 2125	DN 65

* Free Air Delivery For The Complete Package In Accordance With Iso 1217, At 20°C Ambient Temperature And 1 Bar Absolute Pressure.

* Emitted Sound Pressure Values From 64db(A) According To DIN AN ISO 2151:2009.

* The Company On Product Improvement And Right Of Design Improvement, Parameters Are Subjected To Change Without Prior Notice.

Two Stage Screw Air Compressor With Permanent Magnet Motor + VFD



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TWO STAGE AIREND

PM MOTOR

VFD

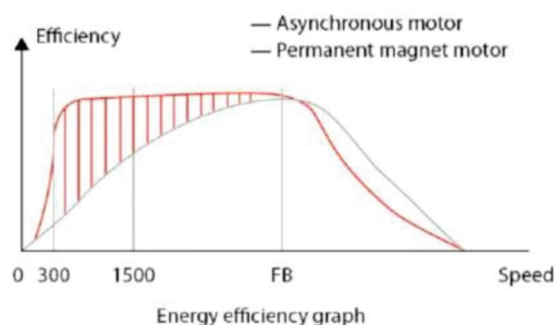
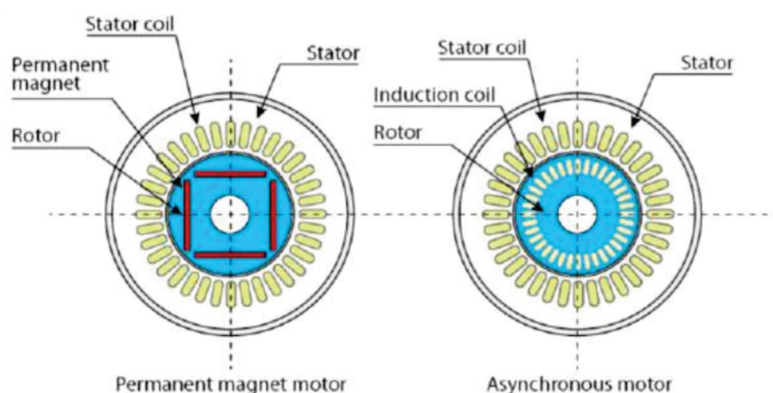
Model	Power		Flow CFM				Sound	Dimensions	Output
	HP	KW	5 Bar	7 Bar	8 Bar	10 Bar	dBA	L x W x H	Connection
10	30	22	215	158	151	120	68+-2	1300 X 785 X 1185	1 ¼"
10	40	30	272	238	218	165	72+-2	1570 X 895 X 1295	1 ½"
10	50	37	335	264	261	211	72+-2	1620 X 940 X 1355	1 ½"
10	60	45	406	353	303	225	72+-2	1620 X 940 X 1355	1 ½"
10	75	55	511	462	434	356	75+-2	2045 X 1250 X 1705	2"
10	100	75	670	586	547	480	75+-2	2045 X 1250 X 1705	DN 65
10	125	90	833	727	706	575	75+-2	2340 X 1480 X 1820	DN 80
10	150	110	995	864	811	709	78+-2	2568 X 1620 x 1985	DN 100
10	175	132	1235	1059	988	850	78+-2	2568 X 1620 x 1985	DN 100
10	200	160	1482	1235	1164	1059	79+-2	3300 X 2050 x 2150	DN 125

* Free Air Delivery For The Complete Package In Accordance With ISO 1217, At 20°C Ambient Temperature And 1 Bar Absolute Pressure.

* Emitted Sound Pressure Values From 64db(A) According To Din En ISO 2151:2009.

* The Company On Product Improvement And Right Of Design Improvement, Parameters Are Subjected To Change Without Prior Notice.

Difference Between Permanent Magnet Motor & Asynchronous Motor



Benefits of Permanent Magnet Motor

- The Permanent Magnet Field-excited Motors Over Electromagnetically-excited Motors Include:
- Higher Efficiency Since No Electrical Energy Is Used Or Losses Incurred For Developing Or Maintaining The Motor's Magnetic Field.
- On Average Up To 35% Energy Saving.
- Higher Torque And Power Density, & Reduce Idle Time Of Compressor.
- Better Dynamic Performance Due To Higher Magnetic Flux Density In Air Gap.
- Better Power Factor Compare To Induction Motor.

Maruti Pneumatics Premium Filter Series

- High Quality Aluminum Construction
- Differential Pressure Gauge
- Automatics Internal Float Drain
- Captive Piston Type O-ring Annular Seal



Working Principle

Coalescing Is A Continuous Natural Process In Which Oil, Water And Solid Particles That Pass Through The Filter Element Come Into Contact With A Fiber Strand And Unite With Other Collected Aerosol To Form Droplets. The Droplets Fall To The Bottom Of The Housing And Are Drained Away

Model	Element Grade	Pipe Size BSP	Flow Rate Cfm @ 7 Bar	Max Working Pressure	Description	Element Grade		
						P	Y	A
10	P,Y,A	½"	60	16	Filter Element	Borosilicate	Borosilicate	Activated Carbon
10		¾"	100	16	Housing	Extruded Aluminum Alloy		
10		1"	150	16	Particle Removal	5 Micron	0.01 Micron	0.01 Micron
10		1 ½"	265	16	Max. Oil Carry Over (mg/m3)	5	0.01	0.00 & Remove Odour
10		2"	400	16	Max. Working Pressure	16 Bar	16 Bar	16 Bar
10		2"	500	16	Max. Working Temperature	80°C	80°C	80°C
10		2"	600	16	Initial Pr. Loss	0.03 Bar	0.1 Bar	0.06 Bar
10		2"	800	16	Pr. drop for element change	0.4 Bar	0.4 Bar	0.4 Bar
10		3"	900	16				
10		3"	1450	16				
10		3"	1630	16				
10		4"						

Correction Factor

*Precede type A with type P & Y

Pressure(Bar)	3	5	7	9	11	13	15	17	20
Correction Factor	0.65	0.85	1.00	1.13	1.25	1.36	1.46	1.56	1.7

Two Stage Oil Lubricated Reciprocating Air Compressor

Eutech two stage air compressor are designed for optimum efficiency while requiring minimum maintenance to meet your demand of compressed air. And with an extensive service network and easy availability of spares, this compressor is undoubtedly the wisest choice for unparalleled performance in the long run. For small scale industries and entrepreneurs, our two stage high volume compressors provide the perfect match between low investment and maximum returns.

Model	Motor	No. of Cylinders	Piston Displacement Scfm	Maximum Pressure		Air Receiver
	HP			Motor	Motor	Motor
10	2	2	7.46	175	12.3	160
10	3	2	11.25	175	12.3	160
10	5	2	17.35	175	12.3	225/300
10	7.5	2	26.40	175	12.3	225/300
10	7.5/10	2	30/33	175	12.3	225/300
10	7.5/10	2	33.5/37.2	175	12.3	225/300
10	10/12.5	2	40/49	175	12.3	300/500
10	15/20	2	63/81	175	12.3	500
10	20/25	2	85/9	175	12.3	500

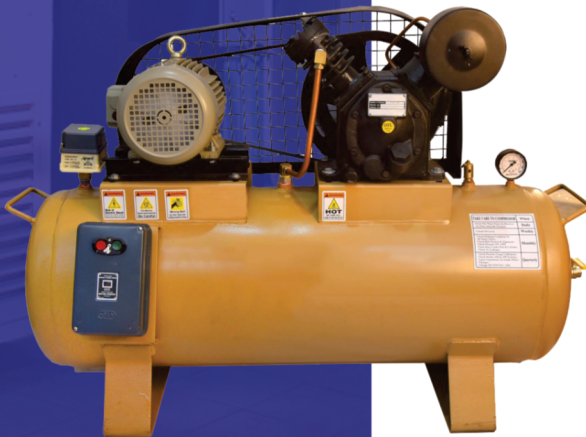


* Above models available on request for higher working pressure up to 17.5 Bar

* Standard package includes auto pressure switch, motor, starter, v-belt, oil sight glass, manual drain and ASME standard tank.



Reciprocating Air Compressor
Oil Free Piston Aor
Compressor Range 2 HP to 30 HP



Refrigerated Air Dryer
Desiccant Air Dryer
Range 20 cfm to 2000 cfm



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