

HYBRID
KOMPRESSOREN

Innovative
Next Generation
Technology



SAIMONA
COMPRESSED AIR

(Formerly known as Saimona Compressor Ltd.)

Next Gen Power Saver Technology

- 📍 Factory Address :
Plot No. 256, Road No. 1, Kathwada G.I.D.C.,
Ahmedabad-382430. (Gujarat), INDIA
- 📍 Registered Office :
Plot No. 341, Road No. 6, Kathwada G.I.D.C.,
Ahmedabad-382430. (Gujarat), INDIA
- ☎ Sales :
+91 98679 59412, +91 93747 32784
+91 87808 33766
- ✉ sales@saimona.com
- ✉ md@saimona.com
- 🌐 www.saimona.com

Rotary Screw Air Compressors



SAIMONA
COMPRESSED AIR
(Formerly known as Saimona Compressor Ltd.)

About Us

Saimona Compressor Ltd. is India based company engaged in offering a comprehensive range of Air Compressors which have unmatched quality. Saimona is rated as one of the most reliable and reputed brands in High Pressure Air Compressors, Two Stage Air Compressors, Single Stage Air Compressors and Vacuum Pumps.

Our group believes in utilizing our technology knowhow and experience in giving high quality products to our clients by our compressor spares. We design and deliver tailor made compressors as per the customer requirements and that too at cost effective rates.

Our Mission

Saimona group has a corporate philosophy of delivering high quality products by implementing the latest Technology resulting into unmatched quality standards and at competitive prices. The company today is a leading name in the category of Rotary Screw Compressors & Reciprocation compressors particularly.

Our Vision

Saimona Compressor Ltd is an Indian manufacturing company that has been producing compressors since 2001. Over the year the Company has continually evolve and is today one at the prominent compressor manufacturing company in Rotary Screw Compress & Reciprocation Compressor.

Our Success

Saimona Group has achieved the success today because of implementing latest technology in its Designing and production by following the famous Kazen Model. Saimona Group has left no leaf unturned in offering high quality, durable and cost effective products over the years and hence has won the trust and satisfaction from all its clients spread nationally and across the globe.

Belt Drive Silent Screw Compressors



Most Efficient
Cost Effective
Rotary Screw Air Compressors

MODEL		POWER		Pressure Bar	Flow Rate	
		HP	kW		CFM	M³ / min
NANO	N 7.5+	7.5	5.5	8 - 10 - 12	31 - 28 - 26	0.88 - 0.80 - 0.74
ALFA	α 10+	10	7.5	8 - 10 - 12	45 - 42 - 38	1.30 - 1.20 - 1.08
BETA	β 15+	15	11.0	8 - 10 - 12	62 - 59 - 56	1.80 - 1.70 - 1.58
GAMMA	γ 20+	20	15.0	8 - 10 - 12	88 - 85 - 82	2.25 - 2.40 - 2.32
DELTA	Δ 25+	25	18.5	8 - 10 - 12	101 - 98 - 94	2.86 - 2.78 - 2.66
SIGMA	Σ 30+	30	22.0	8 - 10 - 12	125 - 121 - 115	3.52 - 3.44 - 3.28

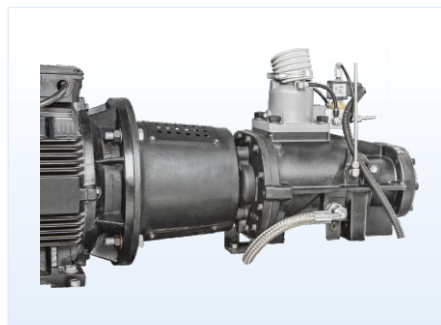
SCREW COMPRESSORS



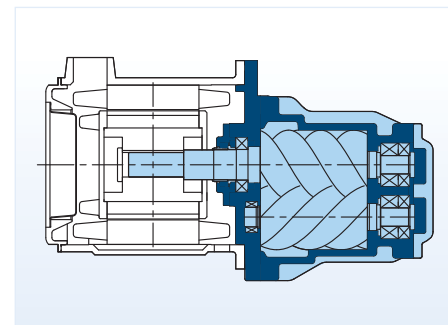
IPM Compressor



Direct Drive



Direct Drive



IPM One Shaft Structure

MODEL		POWER		Pressure	Flow Rate	
		HP	kW		CFM	M ³ / min
SIGMA	Σ 30+	30	22	6 - 8 - 10	144 - 128 - 114	4.07 - 3.63 - 3.23
ZIGMA	Z 40+	40	30	6 - 8 - 10	205 - 177 - 155	5.8 - 5.04 - 4.40
MEGA	M	50	37	6 - 8 - 10	254 - 230 - 191	7.2 - 6.5 - 5.43
GIGA	Γ	60	45	6 - 8 - 10	314 - 276 - 240	8.88 - 7.83 - 6.80
TERA	T	75	55	6 - 8 - 10	392 - 336 - 293	11.1 - 9.53 - 8.29
PETA	P	100	75	6 - 8 - 10	490 - 454 - 399	13.89 - 12.88 - 11.32

Intelligent Electric Control Panel

The control & regulation system elaborates the pressure signals received by the sensor included inside converting them into signals that modify the free air capacity.

With a correct programming it is assured a stable flow of compressed air to match the variable demand with a minimum pressure variation. "S1-20" is capable of :

- To keep under control of all parameters included in the unit
- To modify the programmed conditions as required (within the pre-set limits)
- To determine maintenance requirements
- To program the stop & start of unit in accordance to the requirements

There are in the electronic panel itself luminous displays to visualize the following:

- One display to indicate the operating pressure
- One display to indicate the operating temperature
- Alarm messages
- State messages
- Maintenance messages

There is also visible:

- Start pushbutton
- Delayed stop pushbutton
- Emergency stop pushbutton

It is also included a programming button that allows to the user to modify the operating parameters of the compressor itself (within the pre-set limits) to adapt them to the eventual specific requirements.



Energy Saving Electric Motor

The special modified electric motor can achieve high efficiency of 95.2% that brings an unprecedented level of energy saving. High quality high speed bearings from 'SKF' are fitted for continuous trouble-free operation.



High Efficiency Aftercooler



The enlarged high efficiency oil & air combination air-cooled aftercooler is specifically designed for South East Asia climate to assure all components work perfectly even under high ambient temperature & humidity summer season. All design data are referenced at 46°C ambient temperature.

State-of-the-art Compressor Airend



Optimal energy efficiency & outstanding reliability is achieved from patented design third generation non-symmetric robust rotors, superior bearings & oil seal that help the compressor airend to operate with good dynamic balance, low vibration, low rotation speed and low noise level.

Modern Concept Suction Control System



Modern concept suction control valve with automatic closure to prevent any oil escape. The control unit can automatically adjust from 60 - 100% according to the system air demand to effectively minimize operating cost.

High Quality Genuine Spare Parts



All high quality and durable spare parts are designed, manufactured and tested in Europe to meet with the most stringent international standards.

SCREW COMPRESSOR

advanced user friendly design



Intelligent PLC Control Panel

The simple-to-use automatic electric control panel continuously monitors and displays overall system performance status with pro-active service indications, alarms for malfunctions and safety shutdowns. Advanced sequence control for multi-units installation and remote control as option.



Reliable Automatic Control Box

Electronic components of the IP54 automatic control box such as relays, contactors and overload relays are from named brand Siemens to provide safe & reliable compressor control solution.



High Efficiency Intake Filter System

Big surface air filter element can efficiently remove dust particles from intake cooling air and at the same time to maintain low noise level.



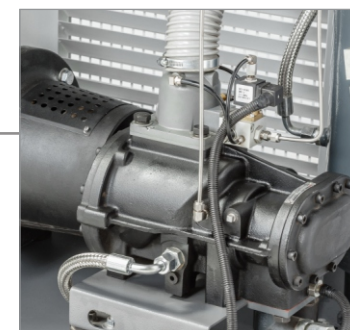
Multi-Stage Air/Oil Separation System

The latest European Patented multi-stage air/oil separation system to guarantee low residual oil content of less than 1-3 ppm. This exceeds any international standard of oil injected rotary screw air compressor and is particularly suitable for customers with clean air for applications.



Modern Concept Suction Control System

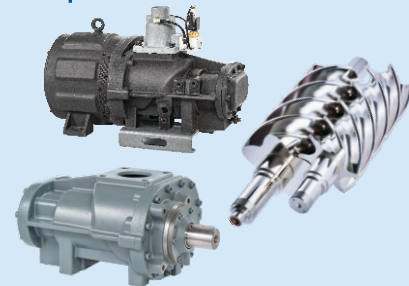
The control unit of the suction control valve can automatically adjust from 60-100% according to the system air demand to effectively minimize operating cost.



Maintenance Free Transmission System

The air end is connected directly to an electric motor (with or without step up gear). Direct transmission is an important characteristics of our big capacity screw compressor packages as it makes possible the operation of airend with the maximum efficiency.

State-of-the-art Compressor Airend



Optimal energy efficiency & outstanding reliability is achieved from patented design third generation non-symmetric robust rotors, superior bearings & oil seal that help the compressor airend to operate with good dynamic balance, low vibration, low rotation speed and low noise level.

ENERGY SAVING ELECTRIC MOTOR



The special modified electric motor can achieve high efficiency of 95.2% that brings an unprecedented level of energy saving. High quality high speed bearings from 'SKF' are fitted for continuous trouble-free operation.

High Efficiency Aftercooler

The enlarged high efficiency oil & air combination air-cooled aftercooler is specifically designed for South East Asia climate to assure all components work perfectly even under high ambient temperature & humidity summer season. All design data are referenced at 46°C ambient temperature.



Modern Concept Suction Control System



Modern concept suction control valve with automatic closure to prevent any oil escape. The control unit can automatically adjust from 60-100% according to the system air demand to effectively minimize operating cost.

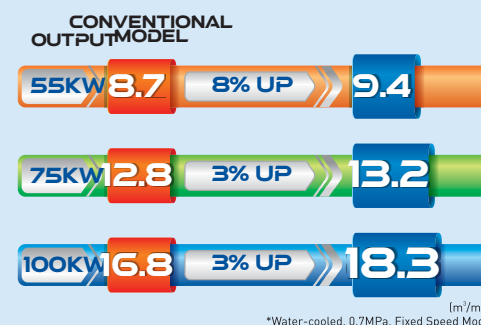
HIGH QUALITY SPARE PARTS

All high quality and durable spare parts are designed, manufactured and tested in Europe to meet with the most stringent international standards.



High Performance

Equipped with New Airend
High capacity is realized by newly developed Airend



*Water-cooled, 0.7MPa, Fixed Speed Model

LOW NOISE DESIGN



Low Noise achieved by the low-noise rotor profile, adoption of vibration-proof driving system and low noise structure of suction and exhaust.

ENERGY SAVING

Stranded Compressor
 Purchasing Cost
 Maintenance Cost
 Energy Cost



Saimona VSD Compressor

Purchasing Cost
 Maintenance Cost
 Energy Cost
 Energy saving

