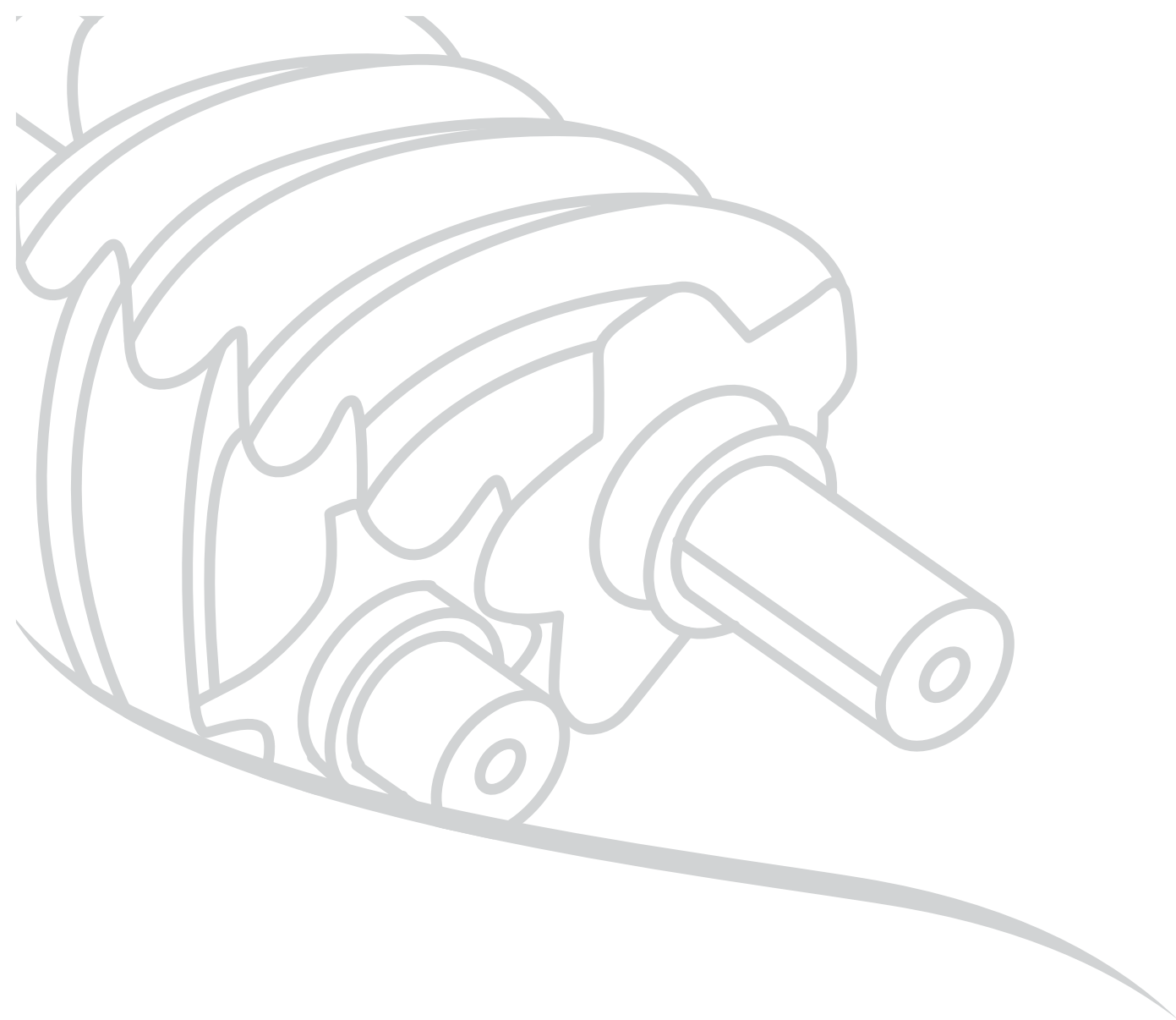




HYBRID
KOMPRESSOREN

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.,
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Rotary Screw Air Compressors



SAIMONA
COMPRESSED AIR
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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.

Most Efficient
Cost Effective

Rotary Screw Air Compressors

Belt Drive Silent Screw Compressors



MODEL		POWER		Pressure Bar	Flow Rate	
		HP	kW		CFM	M ³ / 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

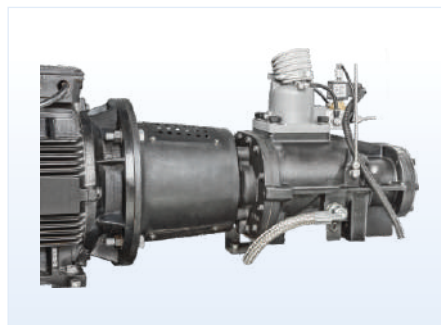
SCREW COMPRESSORS



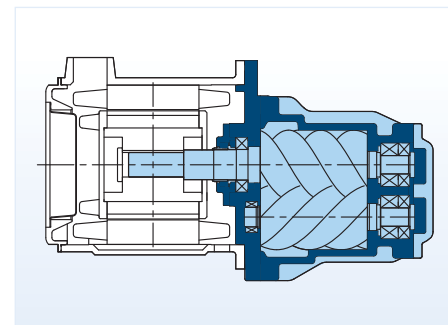
IPM Compressor



Direct Drive



Direct Drive



IPM One Shaft Structure

MODEL		POWER		Pressure Bar	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.

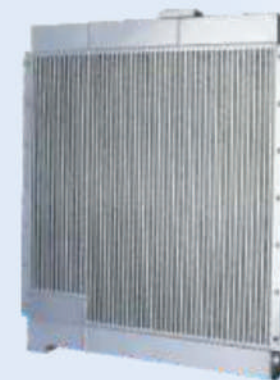


Energy Saving Electric Motor

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.

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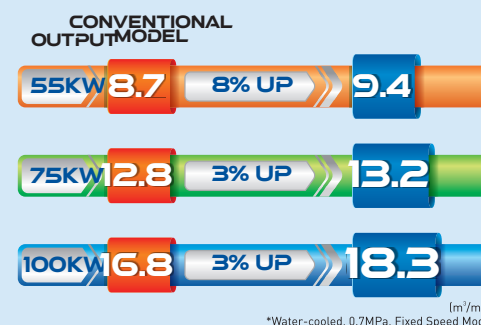
HIGH QUALITY SPARE PARTS

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



Single/Two Stage Reciprocating
Air Compressors/Vacuum Pump



This Vacuum pump has a universal design with the provision to convert it into a single stage compressor. This feature provides a very vital additional facility for large tank leakage test under vacuum or under pressure.

Model	 Motor	No. of Cylinders	Piston Displacement	Vacuum Pressure
	HP		cfm	inches
SAI-10-V235	1.5	2	21.60	29.00
SAI-10-V235	1.5	2	10.80	29.60
SAI-10-V244	2.0	2	34.60	29.00
SAI-10-V244T	2.0	2	17.30	29.65
SAI-10-V255	5.0	2	60.00	29.00
SAI-10-V255T	5.0	2	30.00	29.70
SAI-10-7V	7.5	2	110.00	29.00
SAI-10-7VT	7.5	2	55.00	29.65
SAI-10-15V	10.0	3	149.60	29.20
SAI-10-15VT	10.0	3	99.00	29.65

Single Stage Reciprocating
Air Compressors



Single-stage air compressors are designed especially for low pressure application. These compressors have cylinders of same size (regardless of the number of cylinders). It consists of a robust, overhung designed crankshaft for reliability & easy maintenance, solid end connecting rods, high thermal efficiency, inter-cooling, reliable splash lubrication and balanced V-type construction for smooth, vibration-free operation.

Model	 Motor	No. of Cylinders	Piston Displacement	Maximum Pressure		Air Receiver
	HP			psig	kg/cm ² g	
SAI-10-S2	2.00	2	8.25	125	8.78	100/150
SAI-10-S3	3.00	2	13.75	125	8.78	150
SAI-10-235	3/5	2	14.85/20	80	5.62	150/225
SAI-10-244	5/7.5	2	26/34	80	5.62	225/300
SAI-10-255	7.5/10	2	40/52.8	80	5.62	225/300
SAI-10-732	12.5/15	2	88/95	40	2.81	300/500
SAI-10-15S2	15/20	3	99/132	40	2.81	500



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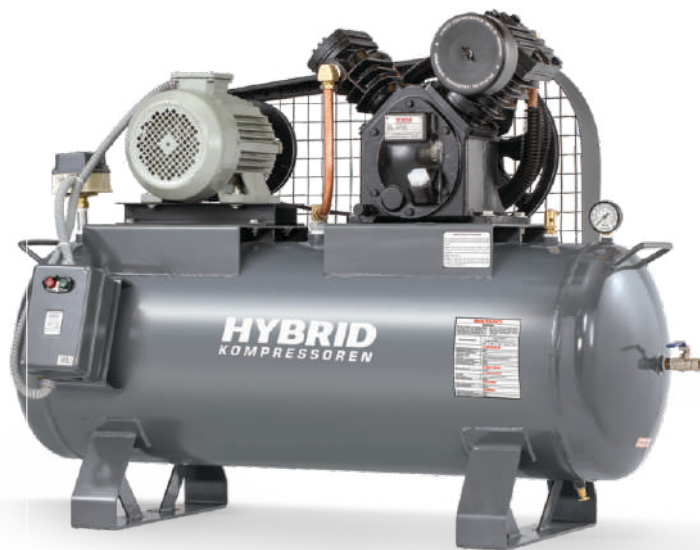


Reciprocating Air Compressors



Next Gen Power Saver Technology

Two Stage Reciprocating Air Compressors



These Hybrid Brand Two Stage Reciprocating Air Compressors are specially designed to cater to the medium pressure application and are made of heavy-duty components to give desired effective output. These compressors have two different sized cylinder bores which increases the efficiency of these compressors.

The crankshaft consists of overhung and sturdy design which is easy to maintain and also more reliable. It has solid end connecting rods resulting into high thermal efficiency, inter-cooling, totally reliable splash lubrication and balanced V-type construction for hassle free and vibration less operation.



COMMITMENT

Commitment to serve the customers in all aspects irrespective of its area of work.



COST EFFECTIVE

Designed with advanced technology to produce more volume of air, making it an economically viable, sensible and an effective solution.

Model	 Motor	No. of Cylinders	Piston Displacement	Maximum Pressure		Air Receiver
	HP			psig	kg/cm ² g	
SAI-10-234	2/3	2	746/9.79	175	12.3	175/225
SAI-10-2340	3	2	11.25	175	12.3	175/225
SAI-10-242	5	2	17.32	175	12.3	225/250
SAI-10-2475	5/7.5	2	17.3/22	175	12.3	225/250
SAI-10-253	7.5	2	26.40	175	12.3	225/250
SAI-10-2545	7.5/10	2	29.8/37.8	175	12.3	225/250
SAI-10-2600	10	2	35	175	12.3	300
SAI-10-71T2	10/12.5/15	2	40/49/55	175	12.3	300/500
SAI-10-15T	15/20	3	63/81	175	12.3	300/500
SAI-10-25T	20/25	3	81/99	175	12.3	500
SAI-10-3000	25	3	110	175	12.3	500

High Pressure Reciprocating Air Compressors



Multi-stage, High Pressure Air Compressors are available in two & three stages in two cylinder & three cylinder versions.

It consists of robust, overhung design crankshaft to ensure reliability and easy maintenance, solid end connecting rods, highly thermal efficient inter cooling, totally reliable splash lubrication and balanced V-type construction for smooth vibration-free operation.

Cross head cylinders are used in case of the last stage small diameter piston for better and adequate support to accommodate Con Rod bushing.



RELIABLE

Designed to make it easier to operate combined with low maintenance cost and reliable air supply.



EFFICIENT

Our high standard quality Compressed air technology and services result in reliability, efficiency and productivity for our customers.

Model	 Motor	No. of Cylinders	Cm		Maximum Pressure		Air Receiver
	HP		pd	Fad	psig	kg/cm ² g	
SAI-10-231	3.00	2	740	4.80	500	35.15	150
SAI-10-7T2	7.50	2	24.75	14.50	500	35.15	300/500
SAI-10-7T2	12.50	2	36.00	21.60	500	35.15	300/500
SAI-10-15TH	20.00	3	56.00	53.00	500	35.25	500
SAI-10-15T2	15.00	2	41.25	31.41	500	35.15	500
SAI-10-15T2	20.00	2	49.50	37.70	640	45.00	500



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