



AIR COMPRESSORS

THE RELIABILITY OF COMPRESSORS.



MADE IN ITALY



GHIBLI - STORM 2.2-75 kW

Belt-driven oil injected
rotary screw compressors

NEW



ROTARY SCREW COMPRESSORS FROM 2.2 TO 75 KW: A COMPLETE AND MODULAR RANGE.

Our rotary screw compressors are the answer to the needs of large, small and medium-sized enterprises where compressed air is one of the main energy sources.

HIGH ENERGY SAVINGS

The choice of high quality components combined with IE3 and IE4* high efficiency motors and our high-performance air-ends, ensures low consumptions, remarkable energy savings and exceptional efficiency performances.

Furthermore, the high efficiency motors also reduce CO₂ emissions: an important contribution to protecting the environment.

* The Storm 75 kW models are equipped with the new electric motors, even more performing, in energy efficiency class "IE4 Super Premium Efficiency".



2.2 - 5.5 kW

7.5-15 kW

18.5-22 kW

Power in KW	Model	Floor mounted	Floor mounted + dryer (ES)	Tank-mounted	Tank-mounted + dryer (ES)	Air-end	Fixed speed	Variable speed (VS)	Motor
2.2 - 3 - 4	Ghibli SE 2.2-3.0-4.0 (2.2 also single-phase)	●	–	200 ℓ	200 ℓ	FS14	●	–	IE3
4	Ghibli 4.0	●	–	200 ℓ	200 ℓ	FS14	●	–	IE3
5.5	Ghibli 5.5	●	–	270 - 500 ℓ	270 - 500 ℓ	FS14	●	–	IE3
7.5 - 11 - 15	Storm 8-11-15	●	–	270 - 500 ℓ	270 - 500 ℓ	FS26	●	–	IE3
11	Storm 11 VS	●	●	–	–	FS26	–	●	IE3
15	Storm 16	●	–	500 ℓ	500 ℓ	FS50	●	–	IE3
18.5 - 22	Storm 18.5-22	●	●	–	–	FS50	●	22 only	IE3
30 37	Storm 31 Storm 38	●	●	–	–	FS100 FS140	●	●	IE3
45 - 55	Storm 45-55	●	–	–	–	FS140	●	–	IE3
55	Storm 56	●	–	–	–	FS270	●	●	IE3
75	Storm 75	●	–	–	–	FS270	●	●	IE4

★ High performances

The special design of the screw profile ensures high performances of compressed air production; a key point of Shamal engineering project, entirely Made in Italy.

★ High reliability

Accurate quality control and the use of components of the worldwide leading manufacturers ensure a long service life and long maintenance intervals.

★ Made in Italy

The entire production cycle takes place in-house and the air-ends are fully designed and manufactured in Italy.

★ Low noise levels

Ghibli and Storm compressors are extremely quiet: suitable to be installed also near workstations thanks to the use of efficient soundproof materials.

★ 2-year Warranty

Our air-ends, inverters and controllers are covered by a 2-year warranty.



EFFICIENT COOLING SYSTEM

The cooling system is one of the most innovative in the market: the thermostatic-control centrifugal fan ensures the temperature inside the compressor remains within a specific tolerance and at a constant level, thus avoiding temperature peaks that may prevent the proper operation of the compressor. The action of the fan combined with the oversized radiator efficiency ensures the operation of the machine even in critical climatic conditions. The "silent" fans, the specifically designed labyrinth ventilation and the use of top quality soundproof materials ensure one of the lowest acoustic level of the market.



RELIABLE TRANSMISSION

The Poly-V belt drive ensures significantly lower power losses and a three times longer life than standard "V" belts mounted on other compressors in the market. The belt is tensioned by means of a slide tensioner.



SPIN-ON FILTERS

The oil filter and the oil separator filter (both spin-on type), ensure great efficiency and easy maintenance.



High efficiency and energy saving

Significant energy savings thanks to the “IE3 Premium Efficiency class” motors, reaching the “IE4” class in the Storm 75 kW models. Original Shamal design.



Air-ends of our design and production, ensuring high air yield and low energy consumption.

Air and oil circuits components optimization.

Latest generation inverters.



Silent operation

The low speed air-ends and radial fans allow Ghibli and Storm products to maintain the lowest noise values in their category, thus, ensuring the possibility for the installation close to the point-of-use.



Simplified maintenance

All machine parts subject to periodic maintenance are placed in a visible and easily accessible position. Maintenance costs are reduced thanks to the use of selected, top quality materials.



Compact design

The compact design is created to achieve the best performance and excellent reliability with the minimum footprint.

Thousands of installations around the world, make Ghibli and Storm long-lasting machines.



Remote monitoring and preventive maintenance

Our optional SMS system allows the remote control of the compressor and promptly informs the user or assistance center of the machine’s condition, reporting any failures or need to perform maintenance.



Refrigerated dryer (optional)

The models from 2.2 to 37 kW can be equipped with a refrigerated dryer powered and controlled separately by its own electronic controller.





**EFFICIENCY CLASSES
ACCORDING TO IEC 60034-30-1 STANDARDS**



IE4 Super Premium Efficiency
(STORM 75 kW only)

IE3 Premium Efficiency
(GHIBLI 2.2-5.5 and STORM 7.5-55 kW)

IE2 High Efficiency

IE1 Standard Efficiency

Non-standard

QUALITY IS OUR PRIORITY

“In-house production” air-ends and intake regulators

What makes our Ghibli and Storm screw compressors unique is the guarantee of a product developed entirely in Italy: from the design to the packaging, each stage of production is closely followed by our engineers and aimed at developing a machine which fulfills the best requirements in terms of efficiency, quality, energy savings, performance, silent operation.

Each component is thoroughly selected from the best manufacturers in the world to perfectly integrate with our air-ends and intake regulators.

Each compressor, prior to its shipment to the clients, goes through functional tests, final testing and pre-shipment auditing, which certifies the compliance to our main 50 standards/requirements. Moreover, our Quality System is UNI EN ISO 9001 since 1996.



★ We have been producing air-ends for over 30 years

Shamal air-ends feature rotors with an optimised profile and outstanding performance. The production process is completely integrated thanks to avant-garde machine tools and sophisticated control instrumentation that guarantees the highest level of quality. A solid CAD modelling system optimises the set-up of the components. Each single rotor is cut in four well-defined manufacturing stages to achieve extremely high execution precision and repeatability. This level of construction accuracy means that each male rotor can be fitted with any female rotor. All of the air-ends are tested twice: individually after assembly later upon installation and on the complete machine.

★ Italian excellence

Shamal is a top Italian brand that combines craftsmanship with the most modern industrial technologies and highly specialised labour. The IN-HOUSE MANUFACTURED trademark is the expression of typical Italian quality and creativity, recognised and appreciated around the world, and which has always been the distinguishing element of our industrial production.

★ Intake regulators and separator blocks

In addition to the complete product and the air-ends, Shamal also produces in-house a vast range of intake regulators, thermostatic valves, separator blocks and accessories for the assembly of rotary screw compressors.

IN-HOUSE
MANUFACTURED



FS270



FS140



IR30DC

	Power range [kW]	Max. operating pressure [bar]
FS14	2.2 - 5.5	15
FS26	5.5 - 15	15
FS50	15 - 22	15
FS100	22 - 37	15
FS140	38 - 55	13
FS270	56 - 75	13

	Power range [kW]	Max. operating pressure [bar]
IR8	2.2 - 4	15
IR10DC	4 - 7.5	15
IR30DC	11 - 22	15
IR60	31 - 37	15
IR70	38 - 45 - 55	13
IR100	55 - 75	13

**STORM VS ROTARY SCREW COMPRESSORS:
DESIGNED FOR INDUSTRIAL USE
TO ACHIEVE THE HIGHEST ENERGY SAVINGS.**

Our rotary screw compressors are designed for continuous operation also in severe conditions of use, with special attention to energy consumption, low operation and maintenance costs and user-friendly installation and use.

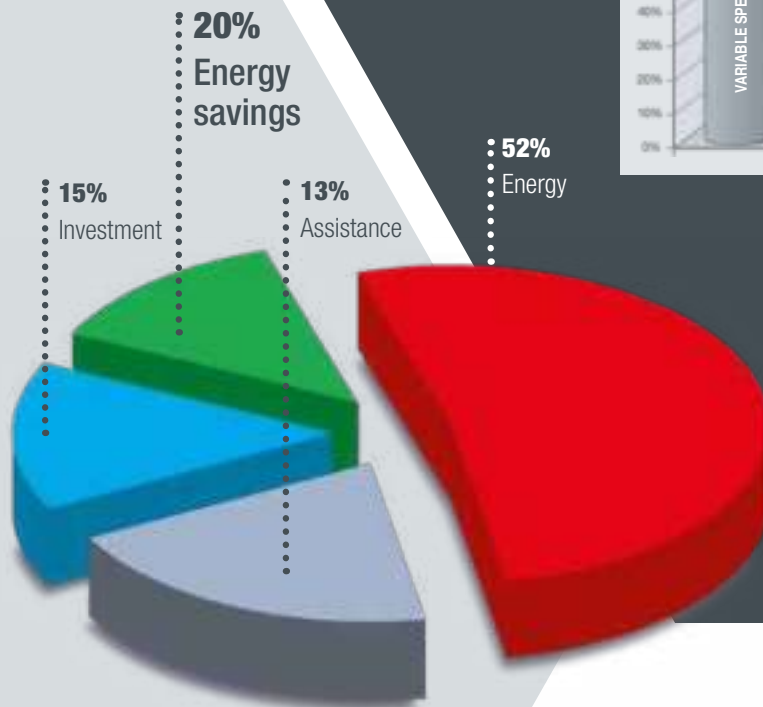
VARIABLE SPEED WITH INVERTER

Energy consumption reduction and environment protection are among the biggest global challenges today. STORM compressors, in the 11, 22, 37, 55 and 75 kW power range, are also available in the variable speed (VS) version which ensures high performances and energy efficient solutions.

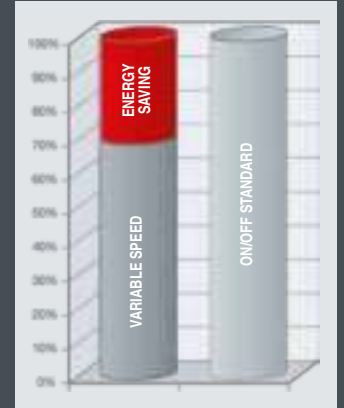
The frequency converter dynamically regulates frequency, voltage and current values supplied to the motor, constantly eliminating useless power drops and consequently adjusting the compressed air generation actually required.

The benefits of using the STORM VS with inverter are remarkable:

- continuous control of the compressed air generated by varying the speed of the electric motor from 40% up to 100% of the full speed;
- the compressed air generated is therefore constantly proportional to the requirements of the system;
- pressure control inside the system, in a range between 6 and 10 bar, depending on the chosen compressor model.



The graph shows the remarkable energy savings achieved with a variable speed compressor in a typical installation.

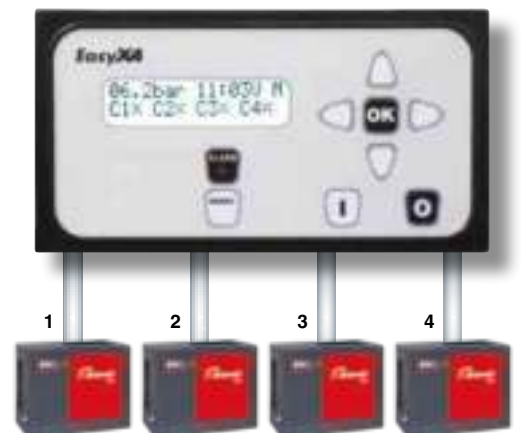


**EasyX4
Optimised control in the
compressor room**

Many compressed air stations include several compressors: EasyX4 is the easiest solution to manage complex compressor systems, with fixed speed, programmable on a weekly basis, capable of configuring up to 4 units, based on the amount of air actually required.

Three programming levels:

- MANUAL: compressors set on a given operating pressure range;
- AUTOMATIC: with pressure range exchange after a programmable time period;
- GROUP PROGRAMMING: the compressors can be switched within groups.



#405531604 EASY X4 CONTROLLER

ADVANCED ELECTRONIC CONTROLLERS FOR OPTIMAL MONITORING OF ALL MACHINE FUNCTIONS

Electronic controllers installed on our rotary screw compressors are specifically designed to ensure optimal monitoring and adjustment as well as flexibility and complete programming to guarantee the maximum efficiency and safety.



ETIV

Backlit multi-function and multi-language LCD display with drop-down menu. Main data displayed are:

- operating pressure (load, idle pressure);
- oil temperature;
- compressor status (stand-by, idle, load);
- fan status (on);
- date and time;
- remaining hours to maintenance;
- total operation hours;
- load operation hours;
- inverter percentage of use (VS models only).



ETMII

Controller with multi-function display and alphanumeric menu.

The main screen displays:

- operating pressure;
- oil temperature;
- total operation hours;
- load operation hours;
- compressor status led (stand-by, idle, load);

The ETMII has also the following functions:

- four maintenance timers (air cartridge, oil, oil filter, separator filter);
- auto-restart after power failure;
- programmable cooling fan temperature;
- programmable remote control start of the compressor;
- integrated phases sequence relay.

Weekly programming

With the ETIV controller it is possible to set up to 9 separate compressor operating programs.

For each program it is possible to set the start and stop times, the days of the week it needs to operate and the relative pressure range.

With a multiple-compressor system, whether fixed or variable speed, it is possible to set various programs so as to create a "virtual network" (therefore without having to physically connect them).



SMS DEVICE Service Management System

SMS is the innovative tool to remotely control and perform predictive maintenance on screw compressors equipped with a DNAir2 controller. If the device is configured on internet networks via Wi-Fi or Ethernet, it allows e-mails to be sent automatically in case of faults and/or automatic regular e-mails (hourly, daily or weekly) to monitor the proper operation of the compressor and the remaining hours for the main programmed maintenance.

Preventive and targeted maintenance:

- automatic sending of e-mails in case of alarms,
- option of sending e-mails reporting the status of the compressor at a set frequency (hourly, daily or weekly).

Compressor remote control:

- access to the various menu levels (user, service),
- on/off control,
- no software to be installed,
- compressor online status check.

9062744 ANTENNA KIT+SMS DEVICE

GHIBLI SE 2.2-3.0-4.0

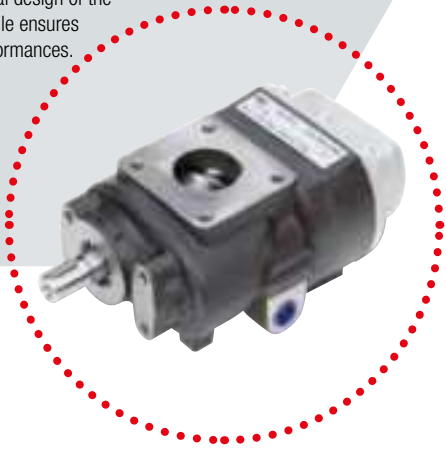
2.2-3-4 kW

Compressor control
Pressure switch with pressure gauge and counter

Dryer module
Dryer module in tank-mounted "ES" versions

Ball tap
easier condensation drainage

FS14 air-end 
Entirely designed, manufactured and tested in our Italian plant: the special design of the rotor profile ensures high performances.



★ Ease of use

User-friendly ON / OFF electromechanical control.

★ Easy maintenance

Fast and simple ordinary maintenance thanks to the easy accessibility of internal components.

★ Extremely silent

The centrifugal fan, activated through thermostatic control, ensures proper cooling, maintaining the noise level of the machine low.

★ Phases sequence relay

Checks the correct direction of rotation of the screw unit at the first start-up.



ELECTROMECHANICAL

Model	Code	Air receiver ℓ	Power		Air outflow			Max. pressure		Air-end	Sound level dB(A)	Air outlet G	Net weight kg	Net dimensions LxWxH (mm)	Gross weight kg	Gross dimensions LxWxH (mm)
			kW	HP	L/min.	m ³ /min.	c.f.m.	bar	p.s.i.							
2.2 kW																
GHIBLI SE 2.2-08	V51JU72SHA572	-	2.2	3	325	0.33	11	8	116	FS14	58	1/2"	93	580x480x760	104	720x670x970
GHIBLI SE 2.2-10	V51JT72SHA572	-	2.2	3	290	0.29	10	10	145	FS14	58	1/2"	93	580x480x760	109	720x670x970
GHIBLI SE 2.2-08 M	V51JU60SHA572	-	2.2	3	300	0.30	11	8	116	FS14	58	1/2"	98	580x480x760	109	720x670x970
GHIBLI SE 2.2-10 M	V51JT60SHA572	-	2.2	3	240	0.24	8	10	145	FS14	58	1/2"	98	580x480x760	109	720x670x970
GHIBLI SE 2.2-08-200	V77JU72SHA572	200	2.2	3	325	0.33	11	8	116	FS14	58	1/2"	142	1480x520x1280	175	1560x660x1430
GHIBLI SE 2.2-10-200	V77JT72SHA572	200	2.2	3	290	0.29	10	10	145	FS14	58	1/2"	142	1480x520x1280	175	1560x660x1430
GHIBLI SE 2.2-10-200 M	V77JT60SHA572	200	2.2	3	240	0.24	8	10	145	FS14	58	1/2"	148	1480x520x1280	181	1560x660x1430
GHIBLI SE 2.2-08-200 ES	V77JU72SHA672	200	2.2	3	325	0.33	11	8	116	FS14	58	1/2"	164	1480x520x1280	197	1560x660x1430
GHIBLI SE 2.2-10-200 ES	V77JT72SHA672	200	2.2	3	290	0.29	10	10	145	FS14	58	1/2"	164	1480x520x1280	197	1560x660x1430
GHIBLI SE 2.2-10-200 ES M	V77JT60SHA672	200	2.2	3	240	0.24	8	10	145	FS14	58	1/2"	144	1480x520x1280	190	1560x660x1430
3 kW																
GHIBLI SE 3.0-08	V51JS72SHA572	-	3	4	430	0.43	15	8	116	FS14	59	1/2"	99	580x480x760	110	720x670x970
GHIBLI SE 3.0-10	V51JQ72SHA572	-	3	4	385	0.39	14	10	145	FS14	59	1/2"	99	580x480x760	110	720x670x970
GHIBLI SE 3.0-08-200	V77JS72SHA572	200	3	4	430	0.43	15	8	116	FS14	59	1/2"	155	1480x520x1280	188	1560x660x1430
GHIBLI SE 3.0-10-200	V77JQ72SHA572	200	3	4	385	0.39	14	10	145	FS14	59	1/2"	155	1480x520x1280	188	1560x660x1430
GHIBLI SE 3.0-08-200 ES	V77JS72SHA672	200	3	4	430	0.43	15	8	116	FS14	59	1/2"	177	1480x520x1280	210	1560x660x1430
GHIBLI SE 3.0-10-200 ES	V77JQ72SHA672	200	3	4	385	0.39	14	10	145	FS14	59	1/2"	177	1480x520x1280	210	1560x660x1430
4 kW																
GHIBLI SE 4.0-08	V51JR72SHA572	-	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	108	580x480x760	119	720x670x970
GHIBLI SE 4.0-10	V51JP72SHA572	-	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	108	580x480x760	109	720x670x970
GHIBLI SE 4.0-08 -200	V77JR72SHA572	200	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	157	1480x520x1280	190	1560x660x1430
GHIBLI SE 4.0-10-200	V77JP72SHA572	200	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	157	1480x520x1280	190	1560x660x1430
GHIBLI SE 4.0-08-200 ES	V77JR72SHA672	200	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	179	1480x520x1280	212	1560x660x1430
GHIBLI SE 4.0-10-200 ES	V77JP72SHA672	200	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	179	1480x520x1280	212	1560x660x1430

Air flow was measured in the following operative pressures: 8 bar for "08" models - 10 bar for "10" models.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 3744.

Star-delta starter

with ETMI electronic controller which manages the entire operation of the machine and system diagnosis.

Spin-on oil and separator filters

The oversized filters ensure long operation intervals and costs reduction.

Pressure transducer

It ensures an optimal and stable operation over the time. It allows to modify the work pressure directly from the electronic controller with no mechanical intervention.

Dryer module

Tank-mounted versions available also with refrigerated dryer (ES).

Ball tap

easier condensation drainage

High performances FS14 air-end

Exclusive design of the air-end, intake regulator and separator block with minimum pressure valve.



★ Highest energy savings

Star-delta starter reduces energy consumption.

★ Easy maintenance

Fast and simple ordinary maintenance thanks to the easy accessibility of internal components.

★ Extremely silent and compact

The centrifugal fan, activated through thermostatic control, ensures proper cooling, maintaining the noise level of the machine low.

★ Plug&Play

The machine is supplied ready to use: plug it to the power supply and to the distribution system to start working with no plant installation difficulties.



ELECTRONIC

Model	Code	Air receiver		Power		Air outflow			Max. pressure		Air-end	Sound level dB(A)	Air outlet G	Net weight kg	Net dimensions LxWxH (mm)	Gross weight kg	Gross dimensions LxWxH (mm)
		ℓ	HP	kW	HP	L/min.	m ³ /min.	c.f.m.	bar	p.s.i.							
4 kW																	
GHIBLI 4.0-08	V51JR92SHA572	-	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	103	580x480x760	114	720x670x970	
GHIBLI 4.0-10	V51JP92SHA572	-	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	103	580x480x760	114	720x670x970	
GHIBLI 4.0-13	V51JV92SHA572	-	4	5.5	330	0.33	12	13	189	FS14	60	1/2"	103	580x480x760	114	720x670x970	
GHIBLI 4.0-08-200	V77JR92SHA572	200	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	153	1480x520x1280	186	1560x660x1430	
GHIBLI 4.0-10-200	V77JP92SHA572	200	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	153	1480x520x1280	186	1560x660x1430	
GHIBLI 4.0-08-200 ES	V77JR92SHA672	200	4	5.5	580	0.58	20	8	116	FS14	60	1/2"	175	1480x520x1280	209	1560x660x1430	
GHIBLI 4.0-10-200 ES	V77JP92SHA672	200	4	5.5	485	0.49	17	10	145	FS14	60	1/2"	175	1480x520x1280	208	1560x660x1430	
5.5 kW																	
GHIBLI 5.5-08	V51JW92SHA572	-	5.5	7.5	720	0.72	25	8	116	FS14	64	1/2"	126	600x520x780	137	720x670x970	
GHIBLI 5.5-10	V51JO92SHA572	-	5.5	7.5	650	0.65	23	10	145	FS14	64	1/2"	126	600x520x780	137	720x670x970	
GHIBLI 5.5-13	V51JM92SHA572	-	5.5	7.5	485	0.49	17	13	189	FS14	64	1/2"	126	600x520x780	137	720x670x970	
GHIBLI 5.5-08-270	V91JW92SHA572	270	5.5	7.5	720	0.72	25	8	116	FS14	64	1/2"	202	1560x570x1390	245	1760x780x1680	
GHIBLI 5.5-10-270	V91JO92SHA572	270	5.5	7.5	650	0.65	23	10	145	FS14	64	1/2"	202	1560x570x1390	245	1760x780x1680	
GHIBLI 5.5-08-500	V83JW92SHA572	500	5.5	7.5	720	0.72	25	8	116	FS14	64	1/2"	268	2000x600x1480	308	2070x800x1680	
GHIBLI 5.5-10-500	V83JO92SHA572	500	5.5	7.5	650	0.65	23	10	145	FS14	64	1/2"	268	2000x600x1480	308	2070x800x1680	
GHIBLI 5.5-08-270 ES	V91JW92SHA672	270	5.5	7.5	720	0.72	25	8	116	FS14	64	1/2"	229	1560x570x1390	272	1760x780x1680	
GHIBLI 5.5-10-270 ES	V91JO92SHA672	270	5.5	7.5	650	0.65	23	10	145	FS14	64	1/2"	229	1560x570x1390	272	1760x780x1680	
GHIBLI 5.5-13-270 ES	V91JM92SHA672	270	5.5	7.5	485	0.49	17	13	189	FS14	64	1/2"	229	1560x570x1390	272	1760x780x1680	
GHIBLI 5.5-08-500 ES	V83JW92SHA672	500	5.5	7.5	720	0.72	25	8	116	FS14	64	1/2"	304	2000x600x1480	344	2070x800x1680	
GHIBLI 5.5-10-500 ES	V83JO92SHA672	500	5.5	7.5	650	0.65	23	10	145	FS14	64	1/2"	304	2000x600x1480	344	2070x800x1680	

Air flow was measured in the following operative pressures: 8 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 3744.



A complete solution

For all 2.2 to 15 kW versions with air receiver and dryer is also possible to retrofit the optional filter kits (1 prefilter and 1 microfilter) to obtain a complete machine, without any additional bulk.

Compressor model	Motor power	Air receiver ℓ	Dryer type	Air outflow m ³ /min.	Filters kit code
	kW				
GHIBLI	2.2-5.5	200-270-500	RD17	1.6	#260KFL010
STORM	7.5-11	270	RD17	2.5	#260KFL020
STORM	7.5-11-15	500	RD17-RD24	2.5	#260KFL030

ETMI electronic controller

The display shows: operating pressure, load/total working hours, idle/load status, oil temperature.

The **Poly-V belt** drive ensures a long useful life and minimal maintenance interventions.

Ventilation is independent of the electric motor.

Fast and convenient ordinary maintenance thanks to the easy accessibility of internal components.

Dryer module

Dryer module available on the tank-mounted models (ES).

Ball tap

easier condensation drainage

Easy to transport

The lifting bars placed at the base of the tank (both front and rear), facilitate its lifting and transport.



High performances FS26TF air-end

Air-end, intake regulator, separator block and minimum pressure valve of our design and manufacturing, Made in Italy.



STORM 16

15 kW

ETMI electronic controller

High performances FS50TF air-end 

Air-end, intake regulator, separator block and minimum pressure valve of our design and manufacturing, entirely Made in Italy.



Multi-function and multi-language

ETIV electronic controller

It manages and controls all functions of the compressor. It allows the installation of the SMS Device (optional).



Integrated filters and dryer

The STORM 11 ES VS model has a complete and fully integrated module that includes a refrigerated dryer and an inlet / outlet filtering system.

High-efficiency inverter

Easy to transport

The lifting holes placed at the base (both front and rear), facilitate its lifting and transport.



STORM 11 VS

VARIABLE SPEED

STORM 16

- ★ High performances FS50TF air-end
- ★ 3 available set-ups: floor mounted, tank-mounted or tank-mounted with dryer

The STORM 16 has the same features of the STORM 15 but with a larger air-end (FS50TF), to ensure the maximum performances in the same power range.



STORM 11 VS Variable speed

- ★ Extremely silent and compact
- ★ Energy savings
- ★ Plug&Play
- ★ All-in-one

Particularly suitable for companies that use compressed air with frequently varying flow rate: variable speed operation allows the machine to adjust the flow rate on the actual request.

The electronic controller monitors and adjusts the air-end speed, modulating the air generation to maintain a constant pressure inside the network and resulting in immediate benefits such as: constant pressure, optimised electricity consumption, appropriate generation of compressed air on the actual demand and minimal wear of mechanical parts.

STORM 16 WITH FS50 AIR-END

Model	Code	Air receiver		Power		Air outflow			Max. pressure		Air-end	Sound level dB(A)	Air outlet G	Net weight kg	Net dimensions LxWxH (mm)	Gross weight kg	Gross dimensions LxWxH (mm)
		ℓ		kW	HP	l./min.	m ³ /min.	c.f.m.	bar	p.s.i.							
15 kW																	
STORM 16-08	V60NB92SHA772	-		15	20	2350	2.35	83	8	116	FS50	68	3/4"	234	820x680x980	248	940x770x1150
STORM 16-10	V60NY92SHA772	-		15	20	2050	2.05	72	10	145	FS50	68	3/4"	234	820x680x980	248	940x770x1150
STORM 16-13	V60NW92SHA772	-		15	20	1750	1.75	62	13	189	FS50	68	3/4"	234	820x680x980	248	940x770x1150
STORM 16-08-500	V83NB92SHA772	500		15	20	2350	2.35	83	8	116	FS50	68	3/4"	410	2000x680x1630	450	2070x800x1850
STORM 16-10-500	V83NY92SHA772	500		15	20	2050	2.05	72	10	145	FS50	68	3/4"	410	2000x680x1630	450	2070x800x1850
STORM 16-13-500	V83NW92SHA772	500		15	20	1750	1.75	62	13	189	FS50	68	3/4"	410	2000x680x1630	511	2070x800x1850
STORM 16-08-500 ES	V83NB92SHA872	500		15	20	2350	2.35	83	8	116	FS50	68	1"	439	2000x680x1630	479	2070x800x1850
STORM 16-10-500 ES	V83NY92SHA872	500		15	20	2050	2.05	72	10	145	FS50	68	1"	439	2000x680x1630	479	2070x800x1850
STORM 16-13-500 ES	V83NW92SHA872	500		15	20	1750	1.75	62	13	189	FS50	68	1"	439	2000x680x1630	511	2070x800x1850

Air flow was measured in the following operative pressures: 8 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 3744.

Model	Code	Power		Air outflow (min. - max.)			Max. pressure		Air-end	Sound level dB(A)	Air outlet G	Net weight kg	Net dimensions LxWxH (mm)	Gross weight kg	Gross dimensions LxWxH (mm)
		kW	HP	l./min.	m ³ /min.	c.f.m.	bar	p.s.i.							
11 kW															
STORM 11-08 VS	V60SN97SHA772	11	15	650 - 1650	0.65 - 1.65	23 - 58	8	116	FS26	63	3/4"	271	1200x700x1000	292	1330x800x1280
STORM 11-10 VS	V60SP97SHA772	11	15	750 - 1500	0.75 - 1.50	26 - 53	10	145	FS26	63	3/4"	271	1200x700x1000	292	1330x800x1280
STORM 11-08 ES VS	V60SN97SHA872	11	15	650 - 1650	0.65 - 1.65	23 - 58	8	116	FS26	63	3/4"	306	1200x700x1000	332	1330x800x1280
STORM 11-10 ES VS	V60SP97SHA872	11	15	750 - 1500	0.75 - 1.50	26 - 53	10	145	FS26	63	3/4"	306	1200x700x1000	332	1330x800x1280

Air flow was measured in the following operative pressures: 7.5 bar for "08" models - 9.5 bar for "10" models.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 3744.

Multi-function and multi-language ETIV electronic controller

It manages and controls all functions of the compressor and system diagnosis. It allows the installation of the SMS device (optional).



Pre-filtering panel

The ventilation circuit is fitted with a pre-filter panel that filters the incoming dust and keeps the inside of the machine clean.

Easy maintenance

Wide front and rear access panels allow immediate access to the internal components, thus reducing inspection and maintenance times. The two removable panels placed at the base of the machine, preserve the cleaning and ensure greater silent operation, when installed.

High performances FS50TF air-end

Air-end, intake regulator, separator block and minimum pressure valve of our design and manufacturing, Made in Italy.



Version with inverter

The frequency converter dynamically regulates frequency, voltage and current values supplied to the motor, constantly eliminating useless power drops and consequently adjusting the compressed air generation actually required.

Dryer module

The models STORM 18.5 and STORM 22 are also available with refrigerated dryer module.



★ Efficient ventilation

The thermostatically controlled centrifugal fan cools down the oversized air-oil heat exchanger allowing the compressor to run even in the most severe temperature conditions.

★ Energy savings

The electropneumatic system regulating the compressor functioning ensures the minimum required pressure during un-loaded operation and maximum energy savings at start-up, thus optimising the energy cost / air generated ratio.

★ High reliability

The oxidation resistant minimum pressure valve is machined from solid. A great manufacturing attention to ensure operations even in extreme conditions.



Model	Code	Power		Air outflow (min. - max.)			Max. pressure		Air-end	Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
		kW	HP	L/min.	m ³ /min.	c.f.m.	bar	p.s.i.							
18.5 kW															
STORM 18.5-08	V60QA92SHA772	18.5	25	2800	2.80	99	8	116	FS50	66	1"	397	1360x830x1130	470	1530x1000x1380
STORM 18.5-10	V60QB92SHA772	18.5	25	2500	2.50	88	10	145	FS50	66	1"	397	1360x830x1130	470	1530x1000x1380
STORM 18.5-13	V60QC92SHA772	18.5	25	2150	2.15	76	13	189	FS50	66	1"	397	1360x830x1130	470	1530x1000x1380
STORM 18.5-15	V60QC92SHA972	18.5	25	1650	1.65	58	15	218	FS50	66	1"	397	1360x830x1130	470	1530x1000x1380
STORM 18.5-08 ES	V60QA92SHA872	18.5	25	2800	2.80	99	8	116	FS50	66	1" 1/4	447	1740x830x1130	537	2050x1140x1670
STORM 18.5-10 ES	V60QB92SHA872	18.5	25	2500	2.50	88	10	145	FS50	66	1" 1/4	447	1740x830x1130	537	2050x1140x1670
STORM 18.5-13 ES	V60QC92SHA872	18.5	25	2150	2.15	76	13	189	FS50	66	1" 1/4	447	1740x830x1130	537	2050x1140x1670
22 kW															
STORM 22-08	V60QD92SHA772	22	30	3350	3.35	118	8	116	FS50	68	1"	419	1360x830x1130	492	1530x1000x1380
STORM 22-10	V60QE92SHA772	22	30	3000	3.00	106	10	145	FS50	68	1"	419	1360x830x1130	492	1530x1000x1380
STORM 22-13	V60QF92SHA772	22	30	2400	2.40	85	13	189	FS50	68	1"	419	1360x830x1130	492	1530x1000x1380
STORM 22-15	V60QF92SHA972	22	30	1970	1.97	70	15	218	FS50	68	1"	419	1360x830x1130	492	1530x1000x1380
STORM 22-08 ES	V60QD92SHA872	22	30	3350	3.35	118	8	116	FS50	68	1" 1/4	469	1740x830x1130	559	2050x1140x1670
STORM 22-10 ES	V60QE92SHA872	22	30	3000	3.00	106	10	145	FS50	68	1" 1/4	469	1740x830x1130	559	2050x1140x1670
STORM 22-13 ES	V60QF92SHA872	22	30	2400	2.40	85	13	189	FS50	68	1" 1/4	469	1740x830x1130	559	2050x1140x1670
STORM 22-08 VS	V60QD97SHA772	22	30	1350-3350	1.35-3.35	48-118	8	116	FS50	68	1"	437	1360x830x1130	519	1530x1000x1380
STORM 22-10 VS	V60QE97SHA772	22	30	1220-3050	1.22-3.05	43-108	10	145	FS50	68	1"	437	1360x830x1130	519	1530x1000x1380
STORM 22-08 ES VS	V60QD97SHA872	22	30	1350-3350	1.35-3.35	48-118	8	116	FS50	68	1" 1/4	487	1740x830x1130	586	2050x1140x1670
STORM 22-10 ES VS	V60QE97SHA872	22	30	1220-3050	1.22-3.05	43-108	10	145	FS50	68	1" 1/4	487	1740x830x1130	586	2050x1140x1670

Air flow was measured in the following operative pressures:

- Fixed speed versions: 8 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models - 15 bar for "15" models;

- Variable speed versions: 7.5 bar for "08" models - 9.5 bar for "10" models.

The data and results were measured in accordance with standard ISO 1217.

The sound level was measured in accordance with standard ISO 3744

Multi-function and multi-language ETIV electronic controller

It manages and controls all functions of the compressor. It allows to connect up to 4 compressors at the same time as well the installation of the SMS device.




Pre-filtering panel

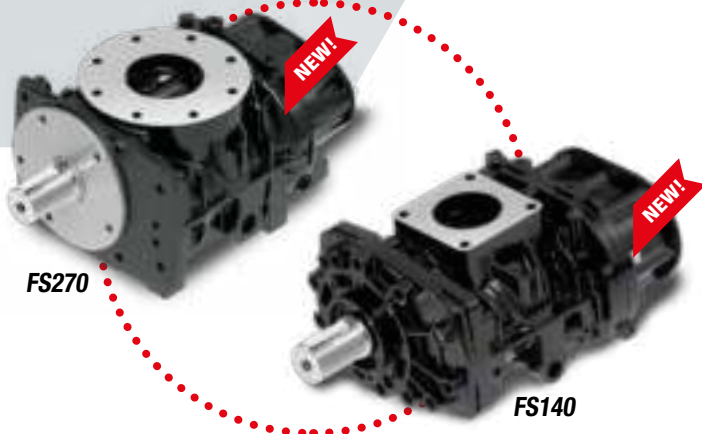
The ventilation circuit is fitted with a pre-filter panel that filters the incoming dust and keeps the inside of the machine clean.



Storm 55 and 75 kW versions are equipped with double separator filter.

NEW high performance air-ends 

The STORM range from 38 to 55 is fitted with FS140 air-ends, the STORM range from 56 to 75 is fitted with new FS270 air-ends, both of our exclusive design.



Easy access and maintenance

Wide front and rear access panels allow immediate access to the internal components, thus reducing inspection and maintenance times.

The two removable panels placed at the base of the machine, preserve the cleaning and ensure greater silent operation, when installed.

★ **Efficient ventilation**

The thermostatically controlled centrifugal fan cools down the oversized air-oil heat exchanger allowing the compressor to run even in the most severe temperature conditions.

★ **Energy savings**

The electropneumatic system regulating the compressor functioning ensures the minimum required pressure during un-loaded operation and maximum energy savings at start-up, thus optimising the energy cost / air generated ratio.

★ **High reliability**

★ **Extremely silent operation**

★ **Low maintenance costs**



Dryer module
Storm 31 and 38 models are also available
in ES version with refrigerated dryer.

Model	Code	Power		Air outflow (min. - max.)			Max. pressure		Air-end	Sound level dB(A)	Air outlet G	Net weight kg	Net dimensions LxWxH (mm)	Gross weight kg	Gross dimensions LxWxH (mm)
		kW	HP	L/min.	m ³ /min.	c.f.m.	bar	p.s.i.							
30 kW															
STORM 31-08	V60BU92SHA772	30	40	4700	4.70	166	8	116	FS100	70	1" 1/4	663	1530x880x1440	737	1690x1030x1730
STORM 31-10	V60BV92SHA772	30	40	4200	4.20	148	10	145	FS100	70	1" 1/4	663	1530x880x1440	737	1690x1030x1730
STORM 31-13	V60BW92SHA772	30	40	3400	3.40	120	13	189	FS100	70	1" 1/4	663	1530x880x1440	737	1690x1030x1730
STORM 31-08 ES	V60BU92SHA872	30	40	4700	4.70	166	8	116	FS100	70	1" 1/2	728	1860x910x1440	818	2050x1140x1670
STORM 31-10 ES	V60BV92SHA872	30	40	4200	4.20	148	10	145	FS100	70	1" 1/2	728	1860x910x1440	818	2050x1140x1670
STORM 31-13 ES	V60BW92SHA872	30	40	3400	3.40	120	13	189	FS100	70	1" 1/2	728	1860x910x1440	818	2050x1140x1670
STORM 31-08 VS	V60BU97SHA772	30	40	1700-4700	1.70-4.70	60-166	8	116	FS100	67	1" 1/4	695	1530x880x1440	756	1690x1030x1730
STORM 31-10 VS	V60BV97SHA772	30	40	1500-4200	1.50-4.20	53-148	10	145	FS100	68	1" 1/4	695	1530x880x1440	756	1690x1030x1730
STORM 31-13 VS	V60BW97SHA772	30	40	1300-3400	1.30-3.40	46-120	13	189	FS100	64	1" 1/4	695	1530x880x1440	756	1690x1030x1730
37 kW															
STORM 38-08	V60BK92SHAA72	37	50	6000	6.00	212	7.5	109	FS140	68	1" 1/4	724	1530x880x1440	798	1690x1030x1730
STORM 38-10	V60BJ92SHAA72	37	50	5300	5.30	187	10	145	FS140	68	1" 1/4	724	1530x880x1440	798	1690x1030x1730
STORM 38-13	V60BI92SHAA72	37	50	4000	4.00	141	13	189	FS140	68	1" 1/4	724	1530x880x1440	798	1690x1030x1730
STORM 38-08 ES	V60BK92SHAB72	37	50	6000	6.00	212	7.5	109	FS140	68	1" 1/2	789	1860x910x1440	879	2050x1140x1670
STORM 38-10 ES	V60BJ92SHAB72	37	50	5300	5.30	187	10	145	FS140	68	1" 1/2	789	1860x910x1440	879	2050x1140x1670
STORM 38-13 ES	V60BI92SHAB72	37	50	4000	4.00	141	13	189	FS140	68	1" 1/2	789	1860x910x1440	879	2050x1140x1670
STORM 38-08 VS	V60BK97SHAA72	37	50	2400-6000	2.40-6.00	85-212	8	116	FS140	68	1" 1/4	748	1530x880x1440	817	1690x1030x1730
STORM 38-10 VS	V60BJ97SHAA72	37	50	2100-5300	2.10-5.30	74-187	10	145	FS140	68	1" 1/4	748	1530x880x1440	817	1690x1030x1730
STORM 38-08 ES VS	V60BK97SHAB72	37	50	2400-6000	2.40-6.00	85-212	8	116	FS140	68	1" 1/2	813	1860x910x1440	898	2050x1140x1670
STORM 38-10 ES VS	V60BJ97SHAB72	37	50	2100-5300	2.10-5.30	74-187	10	145	FS140	68	1" 1/2	813	1860x910x1440	898	2050x1140x1670
45 kW															
STORM 45-08	V60BM92SHAA72	45	60	7200	7.20	254	7.5	109	FS140	72	1" 1/2	946	1590x1000x1570	1032	1800x1200x2110
STORM 45-10	V60BN92SHAA72	45	60	6500	6.50	230	10	145	FS140	72	1" 1/2	946	1590x1000x1570	1032	1800x1200x2110
STORM 45-13	V60BQ92SHAA72	45	60	5100	5.10	180	13	189	FS140	72	1" 1/2	946	1590x1000x1570	1032	1800x1200x2110
55 kW															
STORM 55-08	V60BR92SHAA72	55	75	8600	8.60	304	7.5	109	FS140	74	1" 1/2	1009	1590x1000x1570	1095	1800x1200x2110
STORM 55-10	V60BS92SHAA72	55	75	7800	7.80	275	10	145	FS140	74	1" 1/2	1009	1590x1000x1570	1095	1800x1200x2110
STORM 55-13	V60BT92SHAA72	55	75	6400	6.40	226	13	189	FS140	74	1" 1/2	1009	1590x1000x1570	1095	1800x1200x2110
STORM 56-08	V60BA92SHAA72	55	75	9300	9.30	328	7.5	109	FS270	70	2"	1360	1800x1140x1860	1470	2000x1290x2270
STORM 56-10	V60BB92SHAA72	55	75	8300	8.30	293	10	145	FS270	70	2"	1360	1800x1140x1860	1470	2000x1290x2270
STORM 56-13	V60BC92SHAA72	55	75	7000	7.00	247	13	189	FS270	70	2"	1360	1800x1140x1860	1470	2000x1290x2270
STORM 56-08 VS	V60BA97SHAA72	55	75	3700-9300	3.70-9.30	131-328	8	116	FS270	70	2"	1396	1800x1140x1860	1515	2000x1290x2270
STORM 56-10 VS	V60BB97SHAA72	55	75	3300-8300	3.30-8.30	117-293	10	145	FS270	70	2"	1396	1800x1140x1860	1515	2000x1290x2270
75 kW															
STORM 75-08	V60BD92SHAA72	75	100	12200	12.20	431	7.5	109	FS270	72	2"	1470	1800x1140x1860	1580	2000x1290x2270
STORM 75-10	V60BE92SHAA72	75	100	10500	10.50	371	10	145	FS270	72	2"	1470	1800x1140x1860	1580	2000x1290x2270
STORM 75-13	V60BF92SHAA72	75	100	8300	8.30	293	13	189	FS270	72	2"	1470	1800x1140x1860	1580	2000x1270x2270
STORM 75-08 VS	V60BD97SHAA72	75	100	4800-12200	4.80-12.20	170-431	8	116	FS270	72	2"	1506	1800x1140x1860	1645	2000x1290x2270
STORM 75-10 VS	V60BE97SHAA72	75	100	4200-10500	4.20-10.50	148-371	10	145	FS270	72	2"	1506	1800x1140x1860	1645	2000x1290x2270

Air flow was measured in the following operative pressures:
 - Fixed speed STORM 31: 8 bar for "08" model - 10 bar for "10" models - 13 bar for "13" models;
 - Variable speed STORM 31: 7.5 bar for "08" models - 9.5 bar for "10" models - 12.5 bar for "13" models;
 - Fixed speed STORM 31 up to 75: 7.5 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models;
 - Variable speed STORM 31 up to 75: 7.5 bar for "08" models - 9.5 bar for "10" models - 12.5 bar for "13" models.
 The data and results were measured in accordance with standard ISO 1217.
 The sound level was measured in accordance with standard ISO 3744



ORIGINAL SPARE PARTS

Extend the life and efficiency of your screw compressor

FSN is the brand of the original spare parts for Shamal compressors and identifies after-sales services. It guarantees that the components are original and that they were carefully selected, checked and tested by skilled technicians. Using FSN certified original spare parts reduces management costs and guarantees the efficiency, reliability and longevity of the compressor.

LONG LIFE KIT

To make it easier to replace components throughout the various maintenance intervals specified in the use and maintenance manuals, Shamal developed its **LONG LIFE KITS**, specifically created for all screw compressor models. Using LONG LIFE KIT ensures the maximum performances of the compressor. You can download the LLK catalogues from the website www.shamalcompressors.com and see the exploded drawings and spare parts, constantly updated for each compressor model.



► Our “Hot-Line” service is able to prepare and ship within the same day urgent orders.

OIL WITH MINERAL OR SYNTHETIC BASE

Our FSN lubricants, selected from the best suppliers in all over the world, are specifically designed for use on our screw compressors. They are available in cans, in drums, or in multiple packs.

For the correct maintenance of the compressor, the oil must be completely replaced according to the interval indicated in the use and maintenance manual, or at least once a year, without mixing different types of oils.

RotarECOFLUID oil mineral base



#600000020	RotarECOFLUID 46 cSt - 1 x 3.8 L (3.3 kg) tank
#600000021	RotarECOFLUID 46 cSt - 1 x 20 L (17.36 kg) tank
#600000022	RotarECOFLUID 46 cSt - 1 x 200 L (174 kg) drum

- ▶ Formulated with high quality selected mineral base oils enhanced with advanced anti-oxidants, anti-wear (zinc free), rust preventers and antifoams, offers an optimal control of oxidation and residue deposits as well as an excellent level of thermal stability and oxidation to ensure the longevity of equipment and long life performances.

RotEnergyPlus oil synthetic base



#600000018A	RotEnergyPlus 46 cSt - 1 x 3.8 L (3.25 kg) tank
#60000007A	RotEnergyPlus 46 cSt - 1 x 19 L (16 kg) tank
#600000012A	RotEnergyPlus 46 cSt - 1 x 208 L (181 kg) drum

- ▶ Formulated with high quality selected synthetic base oils, ensures low operating temperatures, efficient water separation, reduces friction and energy consumption, extends maintenance intervals, ensures excellent lubrication of the bearings, guaranteeing maximum all round protection.

RotEnergyFood oil synthetic base, for specific use in the food industry



#600000019A	RotEnergyFood 46 cSt - 1 x 3.9 L (3.25 kg) tank
#600000016A	RotEnergyFood 46 cSt - 1 x 19 L (18.5 kg) tank
#600000017A	RotEnergyFood 46 cSt - 1 x 208 L (175 kg) drum

- ▶ High-quality lubricant for rotary screw compressors, suitable for use in the food industry, where specific quality standards are required.

Analyze your company's consumption to minimize energy waste.

EATOOL

Compressed air is an essential resource in industrial applications, as well as one of the main sources of energy consumption. Energy costs are constantly increasing, therefore it is a fundamental need to monitor, analyse and reduce the energy consumption of the compressed air system. This not only applies for large companies, but equally for medium and small-sized facilities.

Why run an energy audit?

The energy efficiency of a compressed air system within a production facility, is a large influence on the company's entire production process, in terms of the potential for increased efficiency and reducing costs.

The energy audit is a process, that identifies potential efficiency improvements. The report that we provide allows our customer to accurately identify the amount of energy being used and wasted, the energy that may be saved, along with suitable alternative equipment and controls to maximise energy efficiency, specific to the exact requirements and operational characteristics of the application.



Our experience at your service

Thanks to the consolidated experience in the industrial sector, Shamal can provide companies with a detection and analysis service for professional auditing (EATool).

	Ideale per sale compressori fino a 3 unità
EA 400 cod. 9062747	4 analogue inputs: - 3 measuring clamps - 1 pressure sensor 1 extension for cables (10m long) 4.3" colour touch screen display
	Ideal for compressors' rooms up to 4 units
EA 500 cod. 9062748	5 analogue inputs: - 4 measuring clamps - 1 pressure sensor 2 extensions for cables (10m long) 7" colour touch screen display

**Protect your investment,
extend the Warranty
up to 5 years!**





When installing your new Shamal screw compressor, join the “Trust” Warranty 3- to 5-year extension program to benefit from countless advantages by maximising the effectiveness, safety and duration over time of your investment.

Thanks to scheduled maintenance programs exclusively performed by Shamal Authorised Assistance Centres, you can rely on timely, highly professional service, as well as on the use of only original spare parts guaranteed by the FSN brand.

The “Trust” warranty can be easily extended online through EasyConnect, the new Shamal service portal specially created to simplify customers’ lives by providing them with quick, clear responses about product availability, order management and goods shipping times.

- ★ *Easy and fast online activation.*
- ★ *You can choose to extend warranty to 3 or 5 years.*
- ★ *Lower maintenance costs as a result of using original spare parts.*
- ★ *Qualified assistance by authorised technicians.*



Our figures

1300 Employees across 3 continents

1500 Global service centres

120 Countries we export to

11000 Screw compressors produced per year

5 Manufacturing plants



The group

The Shamal brand is part of the FNA international group, which has 75 years of experience in the compressed air industry. FNA, the world's leading manufacturer of piston compressors, undisputed leader in the production of professional compressors and among the first in Europe in the industrial screw compressor segment, has established itself on the market thanks to its strengths: dynamism, technological innovation, know-how, creativity, integrated marketing, flexible production processes and 'tailor-made' customer service. The group counts on an experienced and highly qualified team, capable of interpreting the market needs in defining, developing and distributing its products.

Shamal's industrial range is wide and comprehensive and includes rotary screw compressors from 2.2 to 75 kW with belt or direct drive.

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