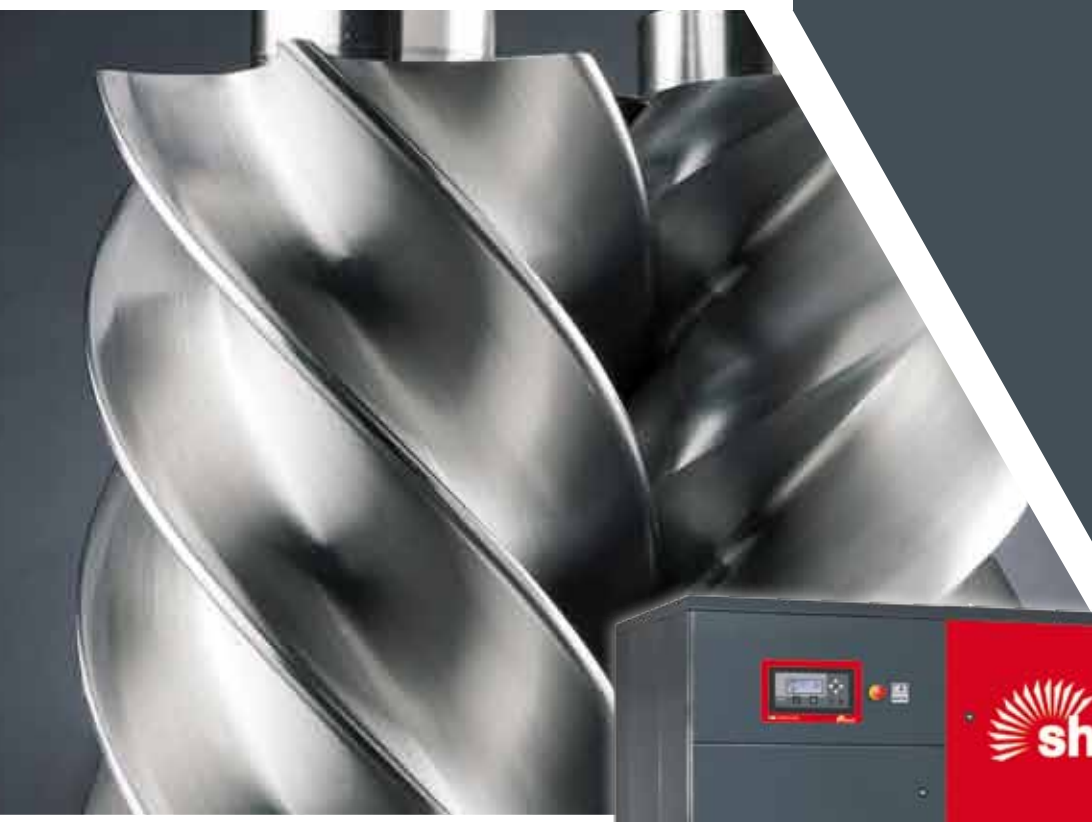
shamal



MADE IN ITALY

Belt-driven oil injected
rotary screw compressors

2.2-75 kW

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 "Premium Efficiency" motors and our high-performance air-ends, ensures low consumptions, remarkable energy savings and exceptional efficiency performances. IE3 motors also reduce CO_2 emissions: an important contribution to protecting the environment.

2.2 - 5.5 kW

7.5-15 kW

18.5-22 kW

KW	Model	Floor mounted	Floor mounted + dryer (ES)	Tank-mounted	Tank-mounted + dryer (ES)	Fixed speed	Variable speed (VS)	*pp. catalogue*
2.2 - 3 - 4	**Ghibli SE 2.2-3.0-4.0** (2.2 also single-phase)	•	–	200 ℓ	200 ℓ	•	–	*6 - 7*
4	**Ghibli 4.0**	•	–	200 ℓ	200 ℓ	•	–	*8 - 9*
5.5	**Ghibli 5.5**	•	–	270 - 500 ℓ	270 - 500 ℓ	•	–	*8 - 9*
7.5 - 11 - 15	**Storm 8-11-15**	•	–	270 - 500 ℓ	270 - 500 ℓ	•	–	*10 - 11*
11	**Storm 11 VS**	•	•	–	–	–	•	*12 - 13*
15	**Storm 16**	•	–	500 ℓ	500 ℓ	•	–	*12 - 13*
18.5 - 22	**Storm 18.5-22**	•	•	–	–	•	only 22	*14 - 15*
30 - 37	**Storm 31-38**	•	•	–	–	•	only 38	*16 - 18*
45 - 55	**Storm 45-55**	•	–	–	–	•	–	*16 - 18*
55	**Storm 56**	•	–	–	–	•	•	*16 - 18*
75	**Storm 75**	•	–	–	–	•	•	*16 - 18*

★ 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.

★ 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.

IE3 Premium Efficiency MOTOR

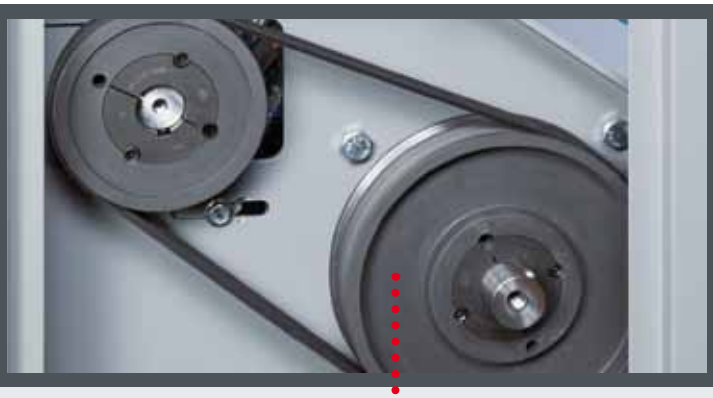
30-37 kW

45-55 kW

75 kW

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 soundproo materials ensure one of the lowest acoustic level of the market.



RELIABLE TRANSMISSION

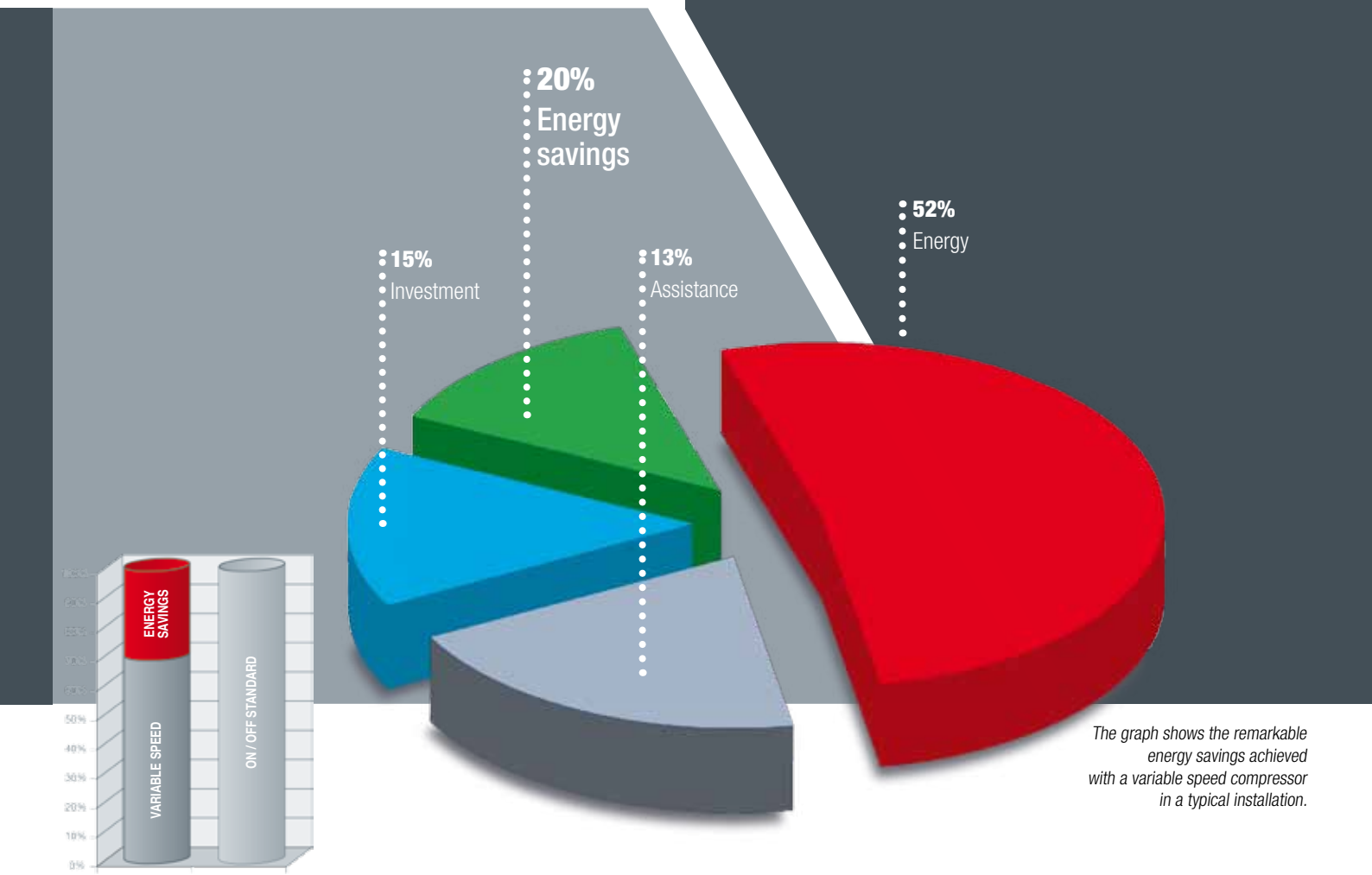
The Poly-V belt drive ensures significantly lower power losses and a three times longer life than standard “V” belts mounted on other compressors in the market. The belt is tensioned by means of a slide tensioner.

SPIN-ON FILTERS

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

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.



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

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.

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 (loaded, idle pressure);
- oil temperature;
- compressor status (stand-by, idle, loaded);
- 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, loaded);

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.

SMS DEVICE Service Management System

SMS is the innovative device to remote control and perform predictive maintenance on screw compressors equipped with an ETIV controller.
The device automatically sends an e-mail (up to 3 addresses to be defined during set-up) in case of an alarm and according to pre-set thresholds (every hour, every day, every week): this feature allows you to schedule routine maintenance and the timely intervention in case of special maintenance on the compressor it is connected to.
Furthermore, you can have full remote control from any device (tablet, smartphone, PC, notebook, etc.), via a web page, as long as it is connected to the same Internet network as the SMS device.

Predictive and targeted maintenance:

- automated e-mails in case of alarms,
- automated e-mails every hour / day / week.

Compressor remote control:

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

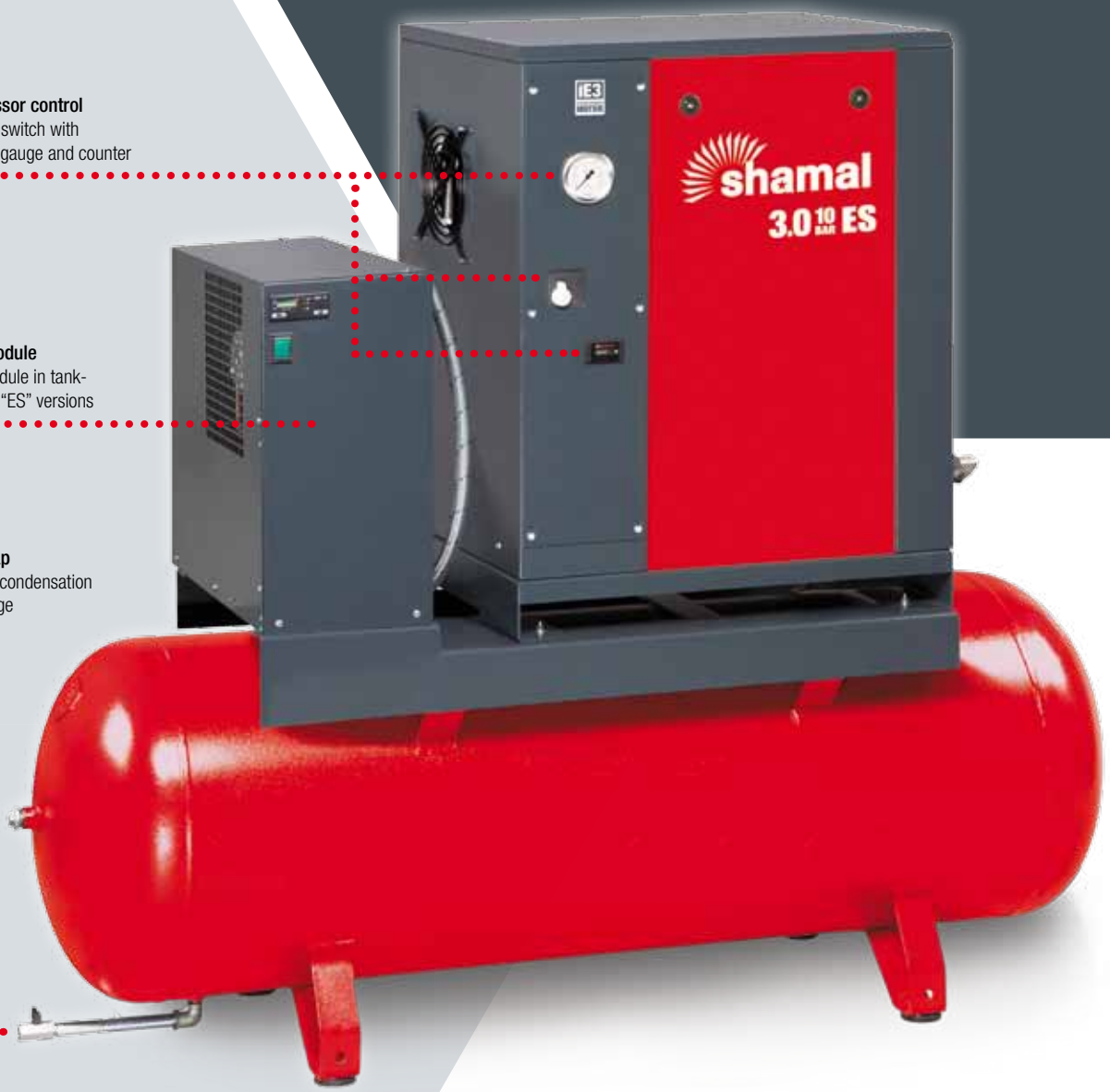
GHIBLI SE 2.2-3.0-4.0

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.

Model	Code	Air receiver	Power		Air delivered			Max. pressure		Sound level	Connection	Weight		Dimensions
		ℓ	kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
GHIBLI SE 2.2-3.0-4.0 - Electromechanical														
1 Floor mounted														
GHIBLI SE 2.2-10 M*	**V51JT60SHA572**	–	2.2 M	3	240	14.4	8.5	10	145	58	1/2"	87	192	58 x 48 x 76
GHIBLI SE 2.2-08	**V51JU72SHA572**	–	2.2	3	325	19.5	11.5	8	116	58	1/2"	87	192	58 x 48 x 76
GHIBLI SE 2.2-10	**V51JT72SHA572**	–	2.2	3	290	17.4	10.2	10	145	58	1/2"	87	192	58 x 48 x 76
GHIBLI SE 3.0-08	**V51JS72SHA572**	–	3	4	430	25.8	15.2	8	116	59	1/2"	92	203	58 x 48 x 76
GHIBLI SE 3.0-10	**V51JQ72SHA572**	–	3	4	385	23.1	13.6	10	145	59	1/2"	92	203	58 x 48 x 76
GHIBLI SE 4.0-08	**V51JR72SHA572**	–	4	5.5	580	34.8	20.5	8	116	60	1/2"	93	205	58 x 48 x 76
GHIBLI SE 4.0-10	**V51JP72SHA572**	–	4	5.5	485	29.1	17.1	10	145	60	1/2"	93	205	58 x 48 x 76
2 Tank-mounted														
GHIBLI SE 2.2-10-200 M*	**V77JT60SHA572**	200	2.2 M	3	240	14.4	8.5	10	145	58	1/2"	144	318	144 x 51 x 128
GHIBLI SE 2.2-08-200	**V77JU72SHA572**	200	2.2	3	325	19.5	11.5	8	116	58	1/2"	144	318	144 x 51 x 128
GHIBLI SE 2.2-10-200	**V77JT72SHA572**	200	2.2	3	290	17.4	10.2	10	145	58	1/2"	144	318	144 x 51 x 128
GHIBLI SE 3.0-08-200	**V77JS72SHA572**	200	3	4	430	25.8	15.2	8	116	59	1/2"	149	329	144 x 51 x 128
GHIBLI SE 3.0-10-200	**V77JQ72SHA572**	200	3	4	385	23.1	13.6	10	145	59	1/2"	149	329	144 x 51 x 128
GHIBLI SE 4.0-08 -200	**V77JR72SHA572**	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	150	331	144 x 51 x 128
GHIBLI SE 4.0-10-200	**V77JP72SHA572**	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	150	331	144 x 51 x 128
3 Tank-mounted with dryer														
GHIBLI SE 2.2-08-200 ES	**V77JU72SHA672**	200	2.2	3	325	19.5	11.5	8	116	58	1/2"	174	384	144 x 51 x 128
GHIBLI SE 2.2-10-200 ES	**V77JT72SHA672**	200	2.2	3	290	17.4	10.2	10	145	58	1/2"	174	384	144 x 51 x 128
GHIBLI SE 3.0-08-200 ES	**V77JS72SHA672**	200	3	4	430	25.8	15.2	8	116	59	1/2"	179	395	144 x 51 x 128
GHIBLI SE 3.0-10-200 ES	**V77JQ72SHA672**	200	3	4	385	23.1	13.6	10	145	59	1/2"	179	395	144 x 51 x 128
GHIBLI SE 4.0-08-200 ES	**V77JR72SHA672**	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	180	397	144 x 51 x 128
GHIBLI SE 4.0-10-200 ES	**V77JP72SHA672**	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	180	397	144 x 51 x 128

M = single-phase*

Air supplied measured at 7.5 - 9.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

GHIBLI 4.0-5.5

4-5.5 kW

Star-delta starter
with ETMII electronic controller which manages the entire operation of the machine and system diagnosis.

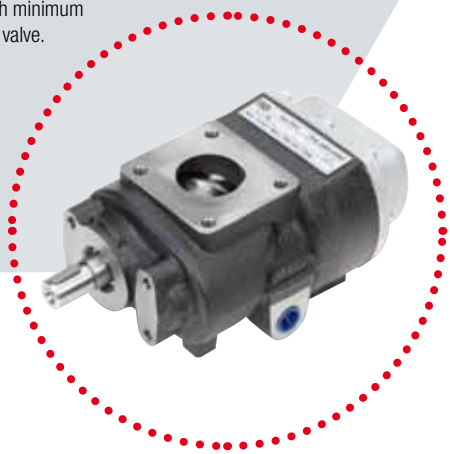
Spin-on oil and separator filters
The oversized filters ensure long operation intervals and costs reduction.

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
On-tank 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.

Model	Code	Air receiver	Power		Air delivered			Max. pressure		Sound level	Connection	Weight		Dimensions
		ℓ	kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
GHIBLI 4.0-5.5 with electronic control unit														
1 Floor mounted														
GHIBLI 4.0-08	**V51JR92SHA572**	–	4	5.5	580	34.8	20.5	8	116	60	1/2"	94	208	60 x 49 x 76
GHIBLI 4.0-10	**V51JP92SHA572**	–	4	5.5	485	29.1	17.1	10	145	60	1/2"	94	208	60 x 49 x 76
GHIBLI 4.0-13	**V51JV92SHA572**	–	4	5.5	330	19.8	11.6	13	188	60	1/2"	94	208	60 x 49 x 76
GHIBLI 5.5-08	**V51JW92SHA572**	–	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	125	276	62 x 54 x 78
GHIBLI 5.5-10	**V51JO92SHA572**	–	5.5	7.5	650	39	22.9	10	145	64	1/2"	125	276	62 x 54 x 78
GHIBLI 5.5-13	**V51JM92SHA572**	–	5.5	7.5	485	29.1	17.1	13	188	64	1/2"	125	276	62 x 54 x 78
2 Tank-mounted														
GHIBLI 4.0-08-200	**V77JR92SHA572**	200	4	5.5	580	348	20.5	8	116	60	1/2"	151	333	144 x 52 x 128
GHIBLI 4.0-10-200	**V77JP92SHA572**	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	151	333	144 x 52 x 128
GHIBLI 5.5-08-270	**V91JW92SHA572**	270	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	185	408	156 x 57 x 139
GHIBLI 5.5-10-270	**V91JO92SHA572**	270	5.5	7.5	650	39	22.9	10	145	64	1/2"	185	408	156 x 57 x 139
GHIBLI 5.5-08-500	**V83JW92SHA572**	500	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	247	545	200 x 60 x 148
GHIBLI 5.5-10-500	**V83JO92SHA572**	500	5.5	7.5	650	39	22.9	10	145	64	1/2"	247	545	200 x 60 x 148
3 Tank-mounted with dryer														
GHIBLI 4.0-08-200 ES	**V77JR92SHA672**	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	181	399	144 x 55 x 128
GHIBLI 4.0-10-200 ES	**V77JP92SHA672**	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	181	399	144 x 55 x 128
GHIBLI 5.5-08-270 ES	**V91JW92SHA672**	270	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	215	474	156 x 57 x 139
GHIBLI 5.5-10-270 ES	**V91JO92SHA672**	270	5.5	7.5	650	39	22.9	10	145	64	1/2"	215	474	156 x 57 x 139
GHIBLI 5.5-08-500 ES	**V83JW92SHA672**	500	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	277	611	200 x 60 x 148
GHIBLI 5.5-10-500 ES	**V83JO92SHA672**	500	5.5	7.5	650	39	22.9	10	145	64	1/2"	277	611	200 x 60 x 148

Air supplied measured at 7.5 - 9.5 - 12.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

STORM 8-11-15

7.5-11-15 kW

ETMII 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 on-tank 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.

- ★ Low R.P.M.
- ★ Extremely silent and compact
- ★ Plug&Play
- ★ User-friendly
- ★ Low energy consumption
- ★ High efficiency

Model	Code	Air receiver	Power		Air deliveerd			Max. pressure		Sound level	Connection	Weight		Dimensions
		ℓ	kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
STORM 8-11-15 with FS26TF screw unit														
1 Floor mounted														
STORM 8-08	**V60NG92SHA772**	–	7.5	10	1250	75	44.1	8	116	68	3/4"	185	407	82 x 68 x 98
STORM 8-10	**V60NH92SHA772**	–	7.5	10	1000	60	35.3	10	145	68	3/4"	185	407	82 x 68 x 98
STORM 8-13	**V60NI92SHA772**	–	7.5	10	750	45	26.5	13	188	68	3/4"	185	407	82 x 68 x 98
STORM 11-08	**V60NL92SHA772**	–	11	15	1650	99	58.2	8	116	69	3/4"	200	440	82 x 68 x 98
STORM 11-10	**V60NM92SHA772**	–	11	15	1500	90	53	10	145	69	3/4"	200	440	82 x 68 x 98
STORM 11-13	**V60NN92SHA772**	–	11	15	1100	66	38.8	13	188	69	3/4"	200	440	82 x 68 x 98
STORM 15-08	**V60NP92SHA772**	–	15	20	2150	129	75.9	8	116	70	3/4"	235	517	82 x 68 x 98
STORM 15-10	**V60NQ92SHA772**	–	15	20	1850	111	65.3	10	145	70	3/4"	235	517	82 x 68 x 98
STORM 15-13	**V60NR92SHA772**	–	15	20	1500	90	53	13	188	70	3/4"	235	517	82 x 68 x 98
2 Tank-mounted														
STORM 8-08-270	**V91NG92SHA772**	270	7.5	10	1250	75	44.1	8	116	68	3/4"	245	541	156 x 68 x 151
STORM 8-10-270	**V91NH92SHA772**	270	7.5	10	1000	60	35.3	10	145	68	3/4"	245	541	156 x 68 x 151
STORM 8-13-270	**V91NI92SHA772**	270	7.5	10	750	45	26.5	13	188	68	3/4"	280	617	156 x 68 x 151
STORM 8-08-500	**V83NG92SHA772**	500	7.5	10	1250	75	44.1	8	116	68	3/4"	307	678	200 x 68 x 163
STORM 8-10-500	**V83NH92SHA772**	500	7.5	10	1000	60	35.3	10	145	68	3/4"	307	678	200 x 68 x 163
STORM 8-13-500	**V83NI92SHA772**	500	7.5	10	750	45	26.5	13	188	68	3/4"	339	747	200 x 68 x 163
STORM 11-08-270	**V91NL92SHA772**	270	11	15	1650	99	58.2	8	116	69	3/4"	260	574	156 x 68 x 151
STORM 11-10-270	**V91NM92SHA772**	270	11	15	1500	90	53	10	145	69	3/4"	260	574	156 x 68 x 151
STORM 11-13-270	**V91NN92SHA772**	270	11	15	1100	66	38.8	13	188	69	3/4"	295	650	156 x 68 x 151
STORM 11-08-500	**V83NL92SHA772**	500	11	15	1650	99	58.2	8	116	69	3/4"	322	711	200 x 68 x 163
STORM 11-10-500	**V83NM92SHA772**	500	11	15	1500	90	53	10	145	69	3/4"	322	711	200 x 68 x 163
STORM 11-13-500	**V83NN92SHA772**	500	11	15	1100	66	38.8	13	188	69	3/4"	354	780	200 x 68 x 163
STORM 15-08-500	**V83NP92SHA772**	500	15	20	2150	129	75.9	8	116	70	3/4"	357	788	200 x 68 x 163
STORM 15-10-500	**V83NQ92SHA772**	500	15	20	1850	111	65.3	10	145	70	3/4"	357	788	200 x 68 x 163
STORM 15-13-500	**V83NR92SHA772**	500	15	20	1500	90	53	13	188	70	3/4"	389	858	200 x 68 x 163
3 Tank-mounted with dryer														
STORM 8-08-270 ES	**V91NG92SHA872**	270	7.5	10	1250	75	44.1	8	116	68	3/4"	343	755	156 x 68 x 151
STORM 8-10-270 ES	**V91NH92SHA872**	270	7.5	10	1000	60	35.3	10	145	68	3/4"	343	755	156 x 68 x 151
STORM 8-13-270 ES	**V91NI92SHA872**	270	7.5	10	750	45	26.5	13	188	68	3/4"	378	833	156 x 68 x 151
STORM 8-08-500 ES	**V83NG92SHA872**	500	7.5	10	1250	75	44.1	8	116	68	3/4"	375	825	200 x 68 x 163
STORM 8-10-500 ES	**V83NH92SHA872**	500	7.5	10	1000	60	35.3	10	145	68	3/4"	375	825	200 x 68 x 163
STORM 8-13-500 ES	**V83NI92SHA872**	500	7.5	10	750	45	26.5	13	188	68	3/4"	407	897	200 x 68 x 163
STORM 11-08-270 ES	**V91NL92SHA872**	270	11	15	1650	99	58.2	8	116	69	3/4"	363	799	156 x 68 x 151
STORM 11-10-270 ES	**V91NM92SHA872**	270	11	15	1500	90	53	10	145	69	3/4"	363	799	156 x 68 x 151
STORM 11-13-270 ES	**V91NN92SHA872**	270	11	15	1100	66	38.8	13	188	69	3/4"	398	877	156 x 68 x 151
STORM 11-08-500 ES	**V83NL92SHA872**	500	11	15	1650	99	58.2	8	116	69	3/4"	395	869	200 x 68 x 163
STORM 11-10-500 ES	**V83NM92SHA872**	500	11	15	1500	90	53	10	145	69	3/4"	395	869	200 x 68 x 163
STORM 11-13-500 ES	**V83NN92SHA872**	500	11	15	1100	66	38.8	13	188	69	3/4"	427	941	200 x 68 x 163
STORM 15-08-500 ES	**V83NP92SHA872**	500	15	20	2150	129	75.9	8	116	70	3/4"	436	959	200 x 68 x 163
STORM 15-10-500 ES	**V83NQ92SHA872**	500	15	20	1850	111	65.3	10	145	70	3/4"	436	959	200 x 68 x 163
STORM 15-13-500 ES	**V83NR92SHA872**	500	15	20	1500	90	53	13	188	70	3/4"	468	1032	200 x 68 x 163

Air supplied measured at 7.5 - 9.5 - 12.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

STORM 16

15 kW

ETMII 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.

3

1

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

5

Easy to transport

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

STORM 11 VS

11 kW

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.

Model	Code	Air receiver	Power		Air delivered (max. / min.)			Max. pressure		Sound level	Connection	Weight		Dimensions
		ℓ	kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
STORM 16 with FS50TF air-end														
1 Floor mounted														
STORM 16-08	**V60NB92SHA772**	–	15	20	2350	141	83	8	116	68	3/4"	240	528	82 x 68 x 98
STORM 16-10	**V60NY92SHA772**	–	15	20	2050	123	72.4	10	145	68	3/4"	240	528	82 x 68 x 98
STORM 16-13	**V60NW92SHA772**	–	15	20	1750	105	61.8	13	188	68	3/4"	240	528	82 x 68 x 98
2 Tank-mounted														
STORM 16-08-500	**V83NB92SHA772**	500	15	20	2350	141	83	8	116	68	3/4"	362	799	200 x 68 x 163
STORM 16-10-500	**V83NY92SHA772**	500	15	20	2050	123	72.4	10	145	68	3/4"	362	799	200 x 68 x 163
STORM 16-13-500	**V83NW92SHA772**	500	15	20	1750	105	61.8	13	188	68	3/4"	394	869	200 x 68 x 163
3 Tank-mounted with dryer														
STORM 16-08-500 ES	**V83NB92SHA872**	500	15	20	2350	141	83	8	116	68	3/4"	436	959	200 x 68 x 163
STORM 16-10-500 ES	**V83NY92SHA872**	500	15	20	2050	123	72.4	10	145	68	3/4"	436	959	200 x 68 x 163
STORM 16-13-500 ES	**V83NW92SHA872**	500	15	20	1750	105	61.8	13	188	68	3/4"	468	1032	200 x 68 x 163

Air supplied measured at 7.5 - 9.5 - 12.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

Model	Code	Air receiver	Power		Air delivered			Max. pressure		Sound level	Connection	Weight		Dimensions
		ℓ	kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
STORM 11 VS Variable speed, with FS26TF air-end														
4 Floor mounted, variable speed														
STORM 11-08 VS	**V60SN97SHA772**	–	11	15	1650 / 680	99 / 41	58 / 24	8	116	63	3/4"	271	598	120 x 74 x 100
STORM 11-10 VS	**V60SP97SHA772**	–	11	15	1500 / 620	90 / 37	53 / 22	10	145	63	3/4"	271	598	120 x 74 x 100
5 Variable speed with dryer														
STORM 11-08 ES VS	**V60SN97SHA872**	–	11	15	1650 / 680	99 / 41	58 / 24	8	116	63	3/4"	306	675	120 x 74 x 100
STORM 11-10 ES VS	**V60SP97SHA872**	–	11	15	1500 / 620	90 / 37	53 / 22	10	145	63	3/4"	306	675	120 x 74 x 100

STORM 18.5-22

18.5-22 kW

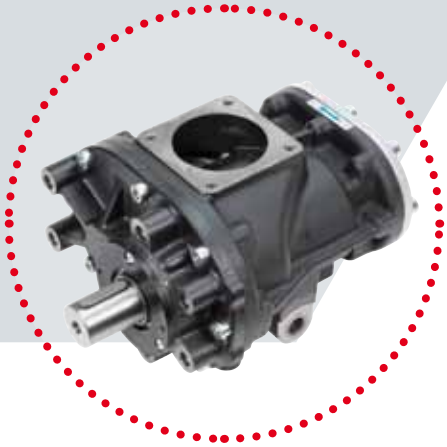
Multi-function and multi-language ETIV electronic controller
It manages and controls all functions of the compressor and system diagnosis. It allows the installation of the SMS Device (optional).

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.

1

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.

2

3

★ 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 delivered (max. / min.)			Max. pressure		Sound level	Connection	Weight		Dimensions
		kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
STORM 18.5-22													
1 Floor mounted													
STORM 18.5-08	**V60QA92SHA772**	18.5	25	2800	168	99	8	116	66	1"	350	774	136 x 83 x 113
STORM 18.5-10	**V60QB92SHA772**	18.5	25	2500	150	88	10	145	66	1"	350	774	136 x 83 x 113
STORM 18.5-13	**V60QC92SHA772**	18.5	25	2150	129	76	13	188	66	1"	350	774	136 x 83 x 113
STORM 22-08	**V60QD92SHA772**	22	30	3350	201	118	8	116	68	1"	380	840	136 x 83 x 113
STORM 22-10	**V60QE92SHA772**	22	30	3000	180	106	10	145	68	1"	380	840	136 x 83 x 113
STORM 22-13	**V60QF92SHA772**	22	30	2400	144	85	13	188	68	1"	380	840	136 x 83 x 113
2 Floor mounted with dryer													
STORM 18.5-08 ES	**V60QA92SHA872**	18.5	25	2800	168	99	8	116	66	1 -1/4"	400	883	172 x 83 x 113
STORM 18.5-10 ES	**V60QB92SHA872**	18.5	25	2500	150	88	10	145	66	1 -1/4"	400	883	172 x 83 x 113
STORM 18.5-13 ES	**V60QC92SHA872**	18.5	25	2150	129	76	13	188	66	1 -1/4"	400	883	172 x 83 x 113
STORM 22-08 ES	**V60QD92SHA872**	22	30	3350	201	118	8	116	68	1 -1/4"	430	949	172 x 83 x 113
STORM 22-10 ES	**V60QE92SHA872**	22	30	3000	180	106	10	145	68	1 -1/4"	430	949	172 x 83 x 113
STORM 22-13 ES	**V60QF92SHA872**	22	30	2400	144	85	13	188	68	1 -1/4"	430	949	172 x 83 x 113
3 Floor mounted, variable speed													
STORM 22-08 VS	**V60QD97SHA772**	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	1"	390	861	139 x 83 x 113
STORM 22-10 VS	**V60QE97SHA772**	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	1"	390	861	139 x 83 x 113
4 Floor mounted, variable speed with dryer													
STORM 22-08 ES VS	**V60QD97SHA872**	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	1 -1/4"	440	971	175 x 83 x 113
STORM 22-10 ES VS	**V60QE97SHA872**	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	1 -1/4"	440	971	175 x 83 x 113

Air supplied measured at 7.5 - 9.5 - 12.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

STORM 31-38 45-55 56-75

30-37 45-55 55-75 kW

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.

High performance air-ends
The STORM range from 30 to 75 kW is fitted with high performances FS100, FS130, FS250 air-ends, 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 delivered (max. / min.)			Max. pressure		Sound level	Connection	Weight		Dimensions
		kW	HP	l./min.	m^3/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	Lbs	L x W x H (cm)
STORM 31-38													
1 Floor mounted													
STORM 31-08	**V60BU92SHA772**	30	40	4700	282	165.9	8	116	70	1 -1/4"	630	1392	153 x 88 x 144
STORM 31-10	**V60BV92SHA772**	30	40	4200	252	148.3	10	145	70	1 -1/4"	630	1392	153 x 88 x 144
STORM 31-13	**V60BW92SHA772**	30	40	3400	204	120	13	188	70	1 -1/4"	630	1392	153 x 88 x 144
STORM 38-08	**V60BK92SHA772**	37	50	6000	360	212	8	116	68	1 -1/4"	700	1547	153 x 88 x 144
STORM 38-10	**V60BJ92SHA772**	37	50	5300	318	187	10	145	68	1 -1/4"	700	1547	153 x 88 x 144
STORM 38-13	**V60BI92SHA772**	37	50	4000	240	141	13	188	68	1 -1/4"	700	1547	153 x 88 x 144
2 Floor mounted with dryer													
STORM 31-08 ES	**V60BU92SHA872**	30	40	4700	282	165.9	8	116	70	1 -1/2"	710	1567	186 x 91 x 144
STORM 31-10 ES	**V60BV92SHA872**	30	40	4200	252	148.3	10	145	70	1 -1/2"	710	1567	186 x 91 x 144
STORM 31-13 ES	**V60BW92SHA872**	30	40	3400	204	120	13	188	70	1 -1/2"	710	1567	186 x 91 x 144
STORM 38-08 ES	**V60BK92SHA872**	37	50	6000	360	212	8	116	68	1 -1/2"	780	1721	186 x 91 x 144
STORM 38-10 ES	**V60BJ92SHA872**	37	50	5300	318	187	10	145	68	1 -1/2"	780	1721	186 x 91 x 144
STORM 38-13 ES	**V60BI92SHA872**	37	50	4000	240	141	13	188	68	1 -1/2"	780	1721	186 x 91 x 144
3 Floor mounted, variable speed													
STORM 38-08 VS	**V60BK97SHA772**	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/4"	725	1600	156 x 88 x 144
STORM 38-10 VS	**V60BJ97SHA772**	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/4"	725	1600	156 x 88 x 144
4 Floor mounted, variable speed with dryer													
STORM 38-08 ES VS	**V60BK97SHA872**	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/2"	805	1777	186 x 91 x 144
STORM 38-10 ES VS	**V60BJ97SHA872**	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/2"	805	1777	186 x 91 x 144
STORM 45-55-56-75													
5 Floor mounted													
STORM 45-08	**V60BM92SHA872**	45	60	7200	432	254	7.5	109	72	1 -1/2"	910	2002	161 x 99 x 156
STORM 45-10	**V60BN92SHA872**	45	60	6500	390	229	10	145	72	1 -1/2"	910	2002	161 x 99 x 156
STORM 45-13	**V60BQ92SHA872**	45	60	5100	306	180	13	188	72	1 -1/2"	910	2002	161 x 99 x 156
STORM 55-08	**V60BR92SHA772**	55	75	8600	516	304	7.5	109	74	1 -1/2"	952	2094	161 x 99 x 156
STORM 55-10	**V60BS92SHA772**	55	75	7800	468	275	10	145	74	1 -1/2"	952	2094	161 x 99 x 156
STORM 55-13	**V60BT92SHA772**	55	75	6400	384	226	13	188	74	1 -1/2"	952	2094	161 x 99 x 156
STORM 56-08	**V60BA92SHA772**	55	75	9300	558	328	7.5	109	70	2"	1650	3630	182 x 112 x 186
STORM 56-10	**V60BB92SHA772**	55	75	8300	498	293	10	145	70	2"	1650	3630	182 x 112 x 186
STORM 56-13	**V60BC92SHA772**	55	75	7000	420	247	13	188	70	2"	1650	3630	182 x 112 x 186
STORM 75-08	**V60BD92SHA772**	75	100	12200	732	431	7.5	109	72	2"	1720	3784	182 x 112 x 186
STORM 75-10	**V60BE92SHA772**	75	100	10500	630	371	10	145	72	2"	1720	3784	182 x 112 x 186
STORM 75-13	**V60BF92SHA772**	75	100	8300	498	293	13	188	72	2"	1720	3784	182 x 112 x 186
6 Floor mounted, variable speed													
STORM 56-08 VS	**V60BA97SHA772**	55	75	9300 / 3700	558 / 222	328 / 131	8	116	70	2"	1686	3721	182 x 112 x 186
STORM 56-10 VS	**V60BB97SHA772**	55	75	8300 / 3300	498 / 198	293 / 116	10	145	70	2"	1686	3721	182 x 112 x 186
STORM 75-08 VS	**V60BD97SHA772**	75	100	12200 / 4800	732 / 288	431 / 169	8	116	72	2"	1756	3875	182 x 112 x 186
STORM 75-10 VS	**V60BE97SHA772**	75	100	10500 / 4200	630 / 252	371 / 148	10	145	72	2"	1756	3875	182 x 112 x 186

Air supplied measured at 7 - 7.5 - 9.5 - 12.5 bar at the compressor outlet, as required by ISO 1217 annex C. ± 3 dB(A) and as required by PNEUROP/CAGI PN-NTC 2.3.

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.

ROTAR ECOFLUID LUBRICANTS

Formulated with high quality selected **mineral base** oils enhanced with advanced anti-oxidants, anti-wear (zinc free), rust preventers and antifoams, the FSN **RotarECOFLUID** oil 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.

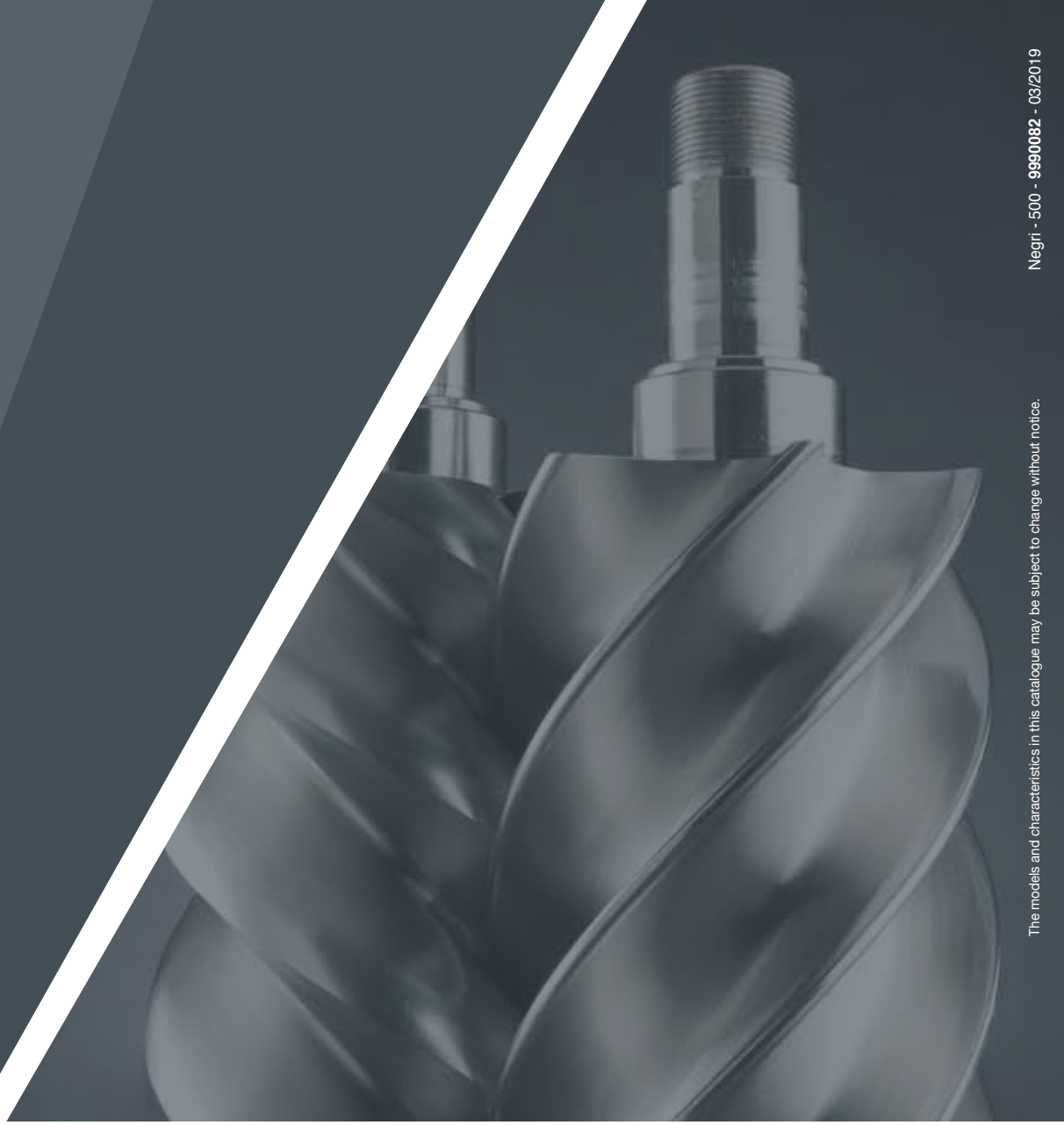
#600000020	**RotarECOFLUID 46 cSt** - 1 x 3.8 L (3.3 kg) tank
#600000021	**RotarECOFLUID 46 cSt** - 1 x 20 L (17.36 kg) tank
#600000022	**RotarECOFLUID 46 cSt** - 1 x 200 L (174 kg) drum

We recommend to change the oil according to the interval reported in the use and maintenance manual of the compressor or once a year.
We suggest the use of our RotEnergy and RotarECOFLUID oil (NOT INCLUDED IN THE LONG LIFE KITS).

ROTENERGY LUBRICANTS

Our **synthetic based** lubricants - FSN RotEnergy - have been specifically designed for use on our screw compressors, supplied by the world leading manufacturers. They are available in cans, drums or multiple packages:
RotEnergyPlus: ensures quick water separation and lower frictions and energy consumptions, extends maintenance intervals and ensures excellent lubrication of the bearings while offering an excellent protection.
RotEnergyFood: a high quality lubricant for rotary compressors, suitable for use in the food industry, where specific quality standards are required.

#600000018A	**RotEnergyPlus 46 cSt** - 1 x 3.8 L (3.25 kg) tank
#600000009A	**RotEnergyPlus 46 cSt** - 4 tanks x 3.8 L (3.25 kg) each
#600000007A	**RotEnergyPlus 46 cSt** - 1 x 19 L (16 kg) tank
#600000012A	**RotEnergyPlus 46 cSt** - 1 x 208 L (181 kg) drum
#600000014A	**RotEnergyFood 46 cSt** - 4 tanks x 3.9 L (3.25 kg) each
#600000016A	**RotEnergyFood 46 cSt** - 1 x 19 L (18.5 kg) tank
#600000017A	**RotEnergyFood 46 cSt** - 1 x 208 L (175 kg) drum



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shamal

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