



2015 Catalogue
Belt-driven rotary screw compressors 2.2-75 kW

**Shamal screw compressors:
designed for industry and for energy saving**

Our compressors are the answer to the needs of largescale industry and small and mid-sized companies, where compressed air is one of the main sources of energy.

They are designed for continuous duty in very hard operating conditions, with special attention to energy consumption, low operating and maintenance costs, simple installation and easy use.

The entire production process, from design to packaging, is carried out at our facilities in Italy.

Our highly skilled staff is dedicated to support the manufacturing and assembling activities.

The continuous control and monitoring of each process grants the utmost precision at every step, in order to achieve the highest quality, supreme product reliability and flexibility of use.



1 INNOVATIVE COOLING SYSTEM

The cooling system is among the most innovative in the field. A thermostatic controlled centrifugal fan keeps the temperature of the entire compressor to specific tolerance and at a constant level, avoiding temperature peaks that can be harmful for the correct operation of the compressor. The action of the fan, combined with the efficiency of the oversized oil cooler, guarantees the operation of the compressor in different climatic conditions. The "no-noise" fans, the specially studied labyrinth ventilation and the use of high quality sound-proof materials provide the sound level to be among the lowest in the range.



2 EFFICIENT TRANSMISSION

The POLY-V belt drive ensures significantly lower power losses and three times longer the service life compared to standard range "V" type belts fitted to other compressors on the market. Belt tensioning is carried out through a sliding belt tensioner.



3 SPIN-ON FILTERS

The oil filter and separator filter, both spin-on type, ensure maximum efficiency and simple maintenance.

Construction features and strength points

High energy saving



The choice of high quality components, combined with our high performance AIR-ENDS and Premium Efficiency IE3 motors, ensure reduced power consumption, substantial energy savings and exceptional efficiency performance. Furthermore, the IE3 motors reduce CO₂ emissions: an important contribution to protecting the environment.

2 Years warranty

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

High productivity

High air output performances is one of the key features of the SHAMAL project engineering.

High reliability

Quality control and components from primary global manufacturers guarantee long operating life and long maintenance intervals.

High performance air-ends

Our high performance AIR-ENDS are entirely designed, produced and tested in our Italian facilities: the special design of the screw profile assures high performances.

Low noise

GHIBLI and STORM compressors are very quiet: the use of very efficient soundproof materials makes them suitable for installation in any working place.



Advanced electronic controllers

ETMII

Installed on models from 4 to 15 kW.



Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed:

- Working pressure (offload/load);
- Oil temperature;
- Total working hours;
- On-load working hours;
- Compressor status led (stand-by, offload, load);
- Hours remaining before maintenance.

- Four maintenance timers (air cartridge, oil, oil filter, oil separator).
- Automatic re-start after power failure.
- Cooling fan temperature settable.
- Compressor remote start settable.
- Integrated sequence phase relay.

ETIV

Installed on models from 18.5 to 75 kW, and STORM 11 VS.



Controller with multi-function backlight LCD graphic display, the menu is drop down type. In the main screen are displayed:

- Working pressure (offload/load);
- Oil temperature;
- Compressor status (stand-by, offload, load);
- Fan status (off/on);
- Date and time;
- Hours remaining before maintenance;
- Inverter use percentage.

Remote monitoring (on demand)

GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote assistance, connection with PC, Smartphone and Tablet, connection between neighbour compressors).

Master/slave function

It is possible to connect up to 4 compressors for managing distribution of the workload in such a way to equalize the hours dynamically changing set pressures of the various compressors.



shamal

GHIBLI 2.2 - 3.0 - 4.0 - 5.5

- NEW anti-rotation system
- Extremely silent
- Minimum energy consumption
- Very compact design
- Low maintenance costs
- Ease of installation and use
- Plug and play



- Poly-V belt transmission that guarantees long life and minimum maintenance.
- Operating pressure: 8, 10, 13 bar.
- Independent ventilation from the main electric motor.
- Easy discharge of condensation.
- The internal mechanical parts are easy to access, to perform routine maintenance quickly and simply.
- Available with dryer module to provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.

The GHIBLI range is available in 2 versions:

- GHIBLI SE 2.2-4 kW: electromechanical ON/OFF switch, with motor protection. The pressure gauge and hour counter are included in the control panel. Easy to use, no idle running means considerable energy saving.
- GHIBLI 4-5.5 kW: star-delta starter, including the ETMII electronic controller, that controls the complete operation of the machine.



ETMII electronic controller



FS14TF air-end



Dryer module



Ball valve

2.2 - 3 - 4 - 5.5 kW

Model	Code	Tank	Power		Free air delivered			Max. Pressure		Noise level dB(A)	Connection G	Weight		Dimensions LxWxH (cm)
			It	kW	HP	l/min.	m ³ /h	c.f.m.	bar			p.s.i.	kg	
GHIBLI SE 2.2-10 M *	V51JT60SHA572	-	2.2	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
GHIBLI 4.0-08	V51JR92SHA572	-	4	5.5	580	34.8	20.5	8	116	60	1/2"	94	208	58 x 48 x 76
GHIBLI 4.0-10	V51JP92SHA572	-	4	5.5	485	29.1	17.1	10	145	60	1/2"	94	208	58 x 48 x 76
GHIBLI 4.0-13	V51JV92SHA572	-	4	5.5	330	19.8	11.6	13	188	60	1/2"	94	208	58 x 48 x 76
GHIBLI 5.5-08	V51JW92SHA572	-	5.5	7.5	720	43.2	25.4	8	116	64	1/2"	125	276	60 x 52 x 78
GHIBLI 5.5-10	V51JO92SHA572	-	5.5	7.5	650	39.0	22.9	10	145	64	1/2"	125	276	60 x 52 x 78
GHIBLI 5.5-13	V51JM92SHA572	-	5.5	7.5	485	29.1	17.1	13	188	64	1/2"	125	276	60 x 52 x 78

With tank

GHIBLI SE 2.2-10 M-200 *	V77JT60SHA572	200	2.2	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
GHIBLI 4.0-08-200	V77JR92SHA572	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	151	333	144 x 51 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 51 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	39.0	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	198 x 60 x 148
GHIBLI 5.5-10-500	V83JO92SHA572	500	5.5	7.5	650	39.0	22.9	10	145	64	1/2"	247	545	198 x 60 x 148

With tank and 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
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 51 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 51 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	39.0	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	198 x 60 x 148
GHIBLI 5.5-10-500 ES	V83JO92SHA672	500	5.5	7.5	650	39.0	22.9	10	145	64	1/2"	277	611	198 x 60 x 148

M = Single-phase

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.



shamal | STORM 8 - 11 - 15 - 16

- Extremely silent
- Very compact design
- High efficiency.
- Minimum energy consumption
- Low R.P.M.
- Ease of installation and use
- Plug and play



- Poly-V belt transmission that guarantees long life and minimum maintenance.
- Operating pressure: 8, 10 and 13 bar.
- Independent ventilation from the main electric motor.
- Easy discharge of condensation.
- The internal mechanical parts are easy to access, to perform routine maintenance quickly and simply.
- Easy transportability: the machine is particularly easy to lift with a fork truck or hand truck thanks to a steel bar secured between the feet at the base of the air receiver (both at the front and to the side).

- Available with dryer to provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.

Available in 3 versions:

- floor mounted,
- with tank (270 or 500 liters),
- with tank and dryer.



ETMII electronic controller



FS26TF and FS50TF air-ends



Dryer module



Ball valve

7.5 - 11 - 15 kW

Model	Code	Tank lt	Power		Free air delivered			Max. Pressure		Noise level dB(A)	Connection G	Weight		Dimensions LxWxH (cm)
			kW	HP	L/min.	m³/h	c.f.m.	bar	p.s.i.			kg	Lbs	
STORM 8-08	V60NG92SHA772	–	7.5	10	1250	75	44.1	8	116	68	3/4"	185	407	80 x 70 x 98
STORM 8-10	V60NH92SHA772	–	7.5	10	1000	60	35.3	10	145	68	3/4"	185	407	80 x 70 x 98
STORM 8-13	V60NI92SHA772	–	7.5	10	750	45	26.5	13	188	68	3/4"	185	407	80 x 70 x 98
STORM 11-08	V60NL92SHA772	–	11	15	1650	99	58.2	8	116	69	3/4"	200	440	80 x 70 x 98
STORM 11-10	V60NM92SHA772	–	11	15	1500	90	53	10	145	69	3/4"	200	440	80 x 70 x 98
STORM 11-13	V60NN92SHA772	–	11	15	1100	66	38.8	13	188	69	3/4"	200	440	80 x 70 x 98
STORM 15-08	V60NP92SHA772	–	15	20	2150	129	75.9	8	116	70	3/4"	235	517	80 x 70 x 98
STORM 15-10	V60NQ92SHA772	–	15	20	1850	111	65.3	10	145	70	3/4"	235	517	80 x 70 x 98
STORM 15-13	V60NR92SHA772	–	15	20	1500	90	53	13	188	70	3/4"	235	517	80 x 70 x 98
STORM 16-08	V60NB92SHA772	–	15	20	2350	141	83	8	116	68	3/4"	240	528	80 x 70 x 98
STORM 16-10	V60NY92SHA772	–	15	20	2050	123	72.4	10	145	68	3/4"	240	528	80 x 70 x 98
STORM 16-13	V60NW92SHA772	–	15	20	1750	105	61.8	13	188	68	3/4"	240	528	80 x 70 x 98

With tank

STORM 8-08-270	V91NG92SHA772	270	7.5	10	1250	75	44.1	8	116	68	3/4"	245	541	155 x 70 x 151
STORM 8-10-270	V91NH92SHA772	270	7.5	10	1000	60	35.3	10	145	68	3/4"	245	541	155 x 70 x 151
STORM 11-08-270	V91NL92SHA772	270	11	15	1650	99	58.2	8	116	69	3/4"	260	574	155 x 70 x 151
STORM 11-10-270	V91NM92SHA772	270	11	15	1500	90	53	10	145	69	3/4"	260	574	155 x 70 x 151
STORM 8-08-500	V83NG92SHA772	500	7.5	10	1250	75	44.1	8	116	68	3/4"	307	678	198 x 70 x 163
STORM 8-10-500	V83NH92SHA772	500	7.5	10	1000	60	35.3	10	145	68	3/4"	307	678	198 x 70 x 163
STORM 11-08-500	V83NL92SHA772	500	11	15	1650	99	58.2	8	116	69	3/4"	322	711	198 x 70 x 163
STORM 11-10-500	V83NM92SHA772	500	11	15	1500	90	53	10	145	69	3/4"	322	711	198 x 70 x 163
STORM 15-08-500	V83NP92SHA772	500	15	20	2150	129	75.9	8	116	70	3/4"	357	788	198 x 70 x 163
STORM 15-10-500	V83NQ92SHA772	500	15	20	1850	111	65.3	10	145	70	3/4"	357	788	198 x 70 x 163
STORM 16-08-500	V83NB92SHA772	500	15	20	2350	141	83	8	116	68	3/4"	362	799	198 x 70 x 163
STORM 16-10-500	V83NY92SHA772	500	15	20	2050	123	72.4	10	145	68	3/4"	362	799	198 x 70 x 163

With tank and dryer

STORM 8-08-270 ES	V91NG92SHA872	270	7.5	10	1250	75	44.1	8	116	68	3/4"	343	755	155 x 70 x 151
STORM 8-10-270 ES	V91NH92SHA872	270	7.5	10	1000	60	35.3	10	145	68	3/4"	343	755	155 x 70 x 151
STORM 11-08-270 ES	V91NL92SHA872	270	11	15	1650	99	58.2	8	116	69	3/4"	363	799	155 x 70 x 151
STORM 11-10-270 ES	V91NM92SHA872	270	11	15	1500	90	53	10	145	69	3/4"	363	799	155 x 70 x 151
STORM 8-08-500 ES	V83NG92SHA872	500	7.5	10	1250	75	44.1	8	116	68	3/4"	375	825	198 x 70 x 163
STORM 8-10-500 ES	V83NH92SHA872	500	7.5	10	1000	60	35.3	10	145	68	3/4"	375	825	198 x 70 x 163
STORM 11-08-500 ES	V83NL92SHA872	500	11	15	1650	99	58.2	8	116	69	3/4"	395	869	198 x 70 x 163
STORM 11-10-500 ES	V83NM92SHA872	500	11	15	1500	90	53	10	145	69	3/4"	395	869	198 x 70 x 163
STORM 15-08-500 ES	V83NP92SHA872	500	15	20	2150	129	75.9	8	116	70	3/4"	436	959	198 x 70 x 163
STORM 15-10-500 ES	V83NQ92SHA872	500	15	20	1850	111	65.3	10	145	70	3/4"	436	959	198 x 70 x 163
STORM 16-08-500 ES	V83NB92SHA872	500	15	20	2350	141	83	8	116	68	3/4"	436	959	198 x 70 x 163
STORM 16-10-500 ES	V83NY92SHA872	500	15	20	2050	123	72.4	10	145	68	3/4"	436	959	198 x 70 x 163

ALL MODELS WITH TANK ARE ALSO AVAILABLE ON REQUEST WITH A WORKING PRESSURE OF 13 BAR, PROVIDING THE SAME PERFORMANCE OF MODELS ON GROUND. Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.



shamal | STORM 18.5 - 22

- Extremely silent
- High performance screw air-ends
- Low maintenance costs
- Minimum energy consumption
- Ease of installation and use
- Prefiltering panel
- Ease of access for routine maintenance operations.



- Designed and manufactured so that they function as an integral whole with the maximum efficiency.
- All most important components of the compressor are machined in house with highly innovative process controlled machines: this allows full control on the production cycle and over the total quality of the complete compressor.
- The cooling air flow, channeled by the thermostatic controlled centrifugal fan, cools down an oversized combined oil/air heat exchanger: this permits the compressor to run in severe temperature conditions.
- Poly-V belt transmission that guarantees long life and minimum maintenance.
- Operating pressure: 8, 10 and 13 bar.
- Independent ventilation from the main electric motor.
- STORM 18.5 and 22 with dryer module (ES) provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.
- STORM 22 available with variable speed (VS models).



ETIV electronic controller



FS50TF air-end



Dryer module



Prefiltering panel

Model	Code	Power		Free air delivered			Pressure		Noise level dB(A)	Connection G	Weight		Dimensions LxWxH (cm)
		kW	HP	l./min.	m³/h	c.f.m.	bar	p.s.i.			kg	Lbs	
STORM 18.5-08	V60QA92SHA772	18.5	25	2800	168	99	8	116	66	3/4"	350	774	135 x 80 x 113
STORM 18.5-10	V60QB92SHA772	18.5	25	2500	150	88	10	145	66	3/4"	350	774	135 x 80 x 113
STORM 18.5-13	V60QC92SHA772	18.5	25	2150	129	76	13	188	66	3/4"	350	774	135 x 80 x 113
STORM 22-08	V60QD92SHA772	22	30	3350	201	118	8	116	68	3/4"	380	840	135 x 80 x 113
STORM 22-10	V60QE92SHA772	22	30	3000	180	106	10	145	68	3/4"	380	840	135 x 80 x 113
STORM 22-13	V60QF92SHA772	22	30	2400	144	85	13	188	68	3/4"	380	840	135 x 80 x 113

With dryer

STORM 18.5-08 ES	V60QA92SHA872	18.5	25	2800	168	99	8	116	66	3/4"	400	883	169 x 80 x 113
STORM 18.5-10 ES	V60QB92SHA872	18.5	25	2500	150	88	10	145	66	3/4"	400	883	169 x 80 x 113
STORM 18.5-13 ES	V60QC92SHA872	18.5	25	2150	129	76	13	188	66	3/4"	400	883	169 x 80 x 113
STORM 22-08 ES	V60QD92SHA872	22	30	3350	201	118	8	116	68	3/4"	430	949	169 x 80 x 113
STORM 22-10 ES	V60QE92SHA872	22	30	3000	180	106	10	145	68	3/4"w	430	949	169 x 80 x 113
STORM 22-13 ES	V60QF92SHA872	22	30	2400	144	85	13	188	68	3/4"	430	949	169 x 80 x 113

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.



Intake regulator



Minimum pressure valve

- The normally closed electropneumatic system adjusts the compressor operation, guaranteeing the minimum pressure necessary during idle running and maximum energy saving at start-up, streamlining the energy cost/air generated ratio.
- The minimum pressure valve, built with oxide free material, is fully machined. An ideal technical solution to provide maximum reliability in any operating conditions.



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STORM 31 - 38 - 45 - 55 - 56 - 75

- Extremely silent
- High performance screw air-ends
- Low maintenance costs
- Ease of installation and use
- Prefiltering panel
- Minimum energy consumption



- Poly-V belt transmission that guarantees long life and minimum maintenance.
- Operating pressure: 7.5, 8, 10 and 13 bar.
- Independent ventilation from the main electric motor.
- The wide front and rear panels grants ease of access, reducing inspection and maintenance time.
- 55 and 75 kW versions are equipped with double separator filter: long service intervals and high quality compressed air.

- STORM 31 and 38 with dryer module (ES) provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.
- STORM 38, 56 and 75 available with variable speed (VS models).



ETIV electronic controller



FS100 - FS130 - FS250 air-ends



Dryer module



Prefiltering panel

30 - 37 - 45 - 55 - 75 kW

Model	Code	Power		Free air delivered			Pressure		Noise level dB(A)	Connection G	Weight		Dimensions LxWxH (cm)
		kW	HP	l./min. (max. - min.)	m ³ /h (max. - min.)	c.f.m. (max. - min.)	bar	p.s.i.			kg	Lbs	
STORM 31-08	V60BU92SHA772	30	40	4700	282	165.9	8	116	70	1 -1/4"	630	1392	153 x 83 x 144
STORM 31-10	V60BV92SHA772	30	40	4200	252	148.3	10	145	70	1 -1/4"	630	1392	153 x 83 x 144
STORM 31-13	V60BW92SHA772	30	40	3400	204	120	13	188	70	1 -1/4"	630	1392	153 x 83 x 144
STORM 38-08	V60BK92SHA772	37	50	6000	360	212	8	116	68	1 -1/4"	700	1547	153 x 83 x 144
STORM 38-10	V60BJ92SHA772	37	50	5300	318	187	10	145	68	1 -1/4"	700	1547	153 x 83 x 144
STORM 38-13	V60BI92SHA772	37	50	4000	240	141	13	188	68	1 -1/4"	700	1547	153 x 83 x 144
STORM 45-08	V60BM92SHA872	45	60	7200	432	254	7.5	109	72	1 -1/2"	910	2002	160 x 97 x 186
STORM 45-10	V60BN92SHA872	45	60	6500	390	229	10	145	72	1 -1/2"	910	2002	160 x 97 x 186
STORM 45-13	V60BQ92SHA872	45	60	5100	306	180	13	188	72	1 -1/2"	910	2002	160 x 97 x 186
STORM 55-08	V60BR92SHA772	55	75	8600	516	304	7.5	109	74	1 -1/2"	952	2094	160 x 97 x 186
STORM 55-10	V60BS92SHA772	55	75	7800	468	275	10	145	74	1 -1/2"	952	2094	160 x 97 x 186
STORM 55-13	V60BT92SHA772	55	75	6400	384	226	13	188	74	1 -1/2"	952	2094	160 x 97 x 186
STORM 56-08	V60BA92SHA772	55	75	9300	558	328	7.5	109	70	2"	1650	3630	180 x 110 x 215
STORM 56-10	V60BB92SHA772	55	75	8300	498	293	10	145	70	2"	1650	3630	180 x 110 x 215
STORM 56-13	V60BC92SHA772	55	75	7000	420	247	13	188	70	2"	1650	3630	180 x 110 x 215
STORM 75-08	V60BD92SHA772	75	100	12200	732	431	7.5	109	72	2"	1720	3784	180 x 110 x 215
STORM 75-10	V60BE92SHA772	75	100	10500	630	371	10	145	72	2"	1720	3784	180 x 110 x 215
STORM 75-13	V60BF92SHA772	75	100	8300	498	293	13	188	72	2"	1720	3784	180 x 110 x 215

With dryer

STORM 31-08 ES	V60BU92SHA872	30	40	4700	282	165.9	8	116	70	1 -1/4"	710	1567	153 x 83 x 144
STORM 31-10 ES	V60BV92SHA872	30	40	4200	252	148.3	10	145	70	1 -1/4"	710	1567	153 x 83 x 144
STORM 31-13 ES	V60BW92SHA872	30	40	3400	204	120	13	188	70	1 -1/4"	710	1567	153 x 83 x 144
STORM 38-08 ES	V60BK92SHA872	37	50	6000	360	212	8	116	68	1 -1/4"	780	1721	186 x 83 x 144
STORM 38-10 ES	V60BJ92SHA872	37	50	5300	318	187	10	145	68	1 -1/4"	780	1721	186 x 83 x 144
STORM 38-13 ES	V60BI92SHA872	37	50	4000	240	141	13	188	68	1 -1/4"	780	1721	186 x 83 x 144

Free air delivery as per ISO 1217 Annex C, at 7 - 7.5 - 9.5 - 12.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.



Double separator filter



Minimum pressure valve



Intake regulator



shamal

Variable Speed

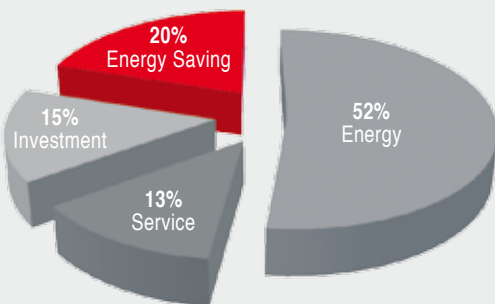


- Energy saving
- Silent operation
- Compact design
- Low maintenance
- Versions with dryer
- High efficiency inverter

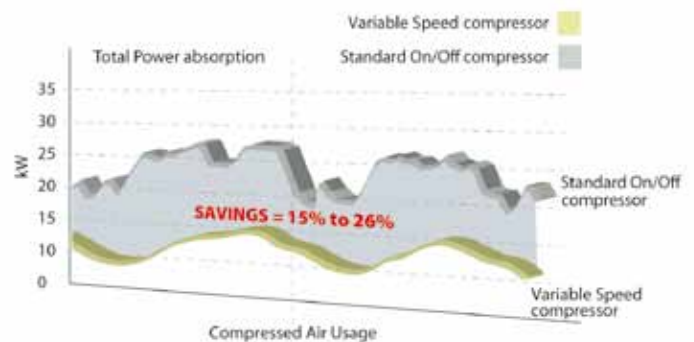
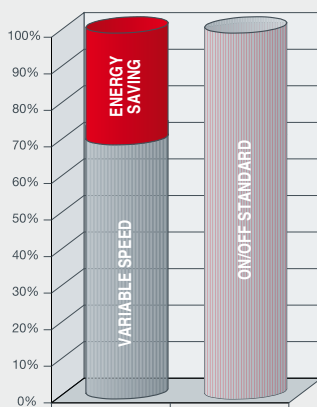
Nowadays, the reduction of the energy consumption has become a global challenge in terms of environmental impact. Reducing power consumption and protecting our valuable energy resources represents one of the greatest global environmental challenges of our times.

The STORM compressors, with power at 11, 22, 37, 55 and 75 kW, are also available in variable speed drive version, providing high performance combined with energy saving solutions.

MANAGEMENT COSTS



ENERGY COSTS



The application of a frequency inverter, able to dynamically adjust the voltage/frequency/current values of the motor, allows the elimination of unnecessary power losses by constantly adjusting the generation of compressed air to match the real air demand, offering many proven advantages to the user:

- Continuous regulation of the motor speed and compressed air generation to precisely match the air demand.
- The air output is constantly adjusted between 40% and 100% of the compressor full capacity.
- Constant and accurate air pressure control selectable at any value between 6 and 10 bar.
- Energy consumption is proportional to the delivered compressed air.

Model	Code	Power		Free air delivered			Pressure		Noise level dB(A)	Connection G	Weight		Dimensions LxWxH (cm)
		kW	HP	L/min. (max. - min.)	m³/h (max. - min.)	c.f.m. (max. - min.)	bar	p.s.i.			kg	Lbs	

Variable speed

STORM 11-08 VS	V60SN97SHA772	11	15	1650 / 680	99 / 41	58 / 24	8	116	63	3/4"	271	598	120 x 70 x 100
STORM 11-10 VS	V60SP97SHA772	11	15	1500 / 620	90 / 37	53 / 22	10	145	63	3/4"	271	598	120 x 70 x 100
STORM 22-08 VS	V60QD97SHA772	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	3/4"	390	861	135 x 80 x 113
STORM 22-10 VS	V60QE97SHA772	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	3/4"	390	861	135 x 80 x 113
STORM 38-08 VS	V60BK97SHA772	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/4"	725	1600	153 x 83 x 144
STORM 38-10 VS	V60BJ97SHA772	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/4"	725	1600	153 x 83 x 144
STORM 56-08 VS	V60BA97SHA772	55	75	9300 / 3700	558 / 222	328 / 131	8	116	70	2"	1686	3721	180 x 110 x 215
STORM 56-10 VS	V60BB97SHA772	55	75	8300 / 3300	498 / 198	293 / 116	10	145	70	2"	1686	3721	180 x 110 x 215
STORM 75-08 VS	V60BD97SHA772	75	100	12200 / 4800	732 / 288	431 / 169	8	116	72	2"	1756	3875	180 x 110 x 215
STORM 75-10 VS	V60BE97SHA772	75	100	10500 / 4200	630 / 252	371 / 148	10	145	72	2"	1756	3875	180 x 110 x 215

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 70 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 70 x 100
STORM 22-08 ES VS	V60QD97SHA872	22	30	3350 / 1350	201 / 81	118 / 48	8	116	68	3/4"	440	971	169 x 80 x 113
STORM 22-10 ES VS	V60QE97SHA872	22	30	3050 / 1220	183 / 73.2	108 / 43	10	145	68	3/4"	440	971	169 x 80 x 113
STORM 38-08 ES VS	V60BK97SHA872	37	50	5900 / 2350	354 / 141	208 / 83	8	116	72	1 -1/4"	805	1777	186 x 83 x 144
STORM 38-10 ES VS	V60BJ97SHA872	37	50	5200 / 2050	312 / 123	184 / 72	10	145	72	1 -1/4"	805	1777	186 x 83 x 144



INTEGRATED DRYER AND FILTERS

The STORM 11 ES VS features a fully integrated and complete air treatment module including a generously sized refrigerated air dryer and both inlet and outlet high efficiency filtration.

- **FSN original spare parts** have been rigorously selected, checked and tested by specialized technicians to ensure the utmost efficiency and endurance of the compressor. The parts are stocked in our “LOGIMAT” centralized and automated warehouse in Zola Predosa (BO) - Italy, where 12,000 part codes on 10,000 sqm are managed every day.
- Specialized staff is continuously in contact with our distribution centres worldwide, to deliver spare parts to our customers in the shortest possible time.
- Our “Hot-Line” service is able to prepare and ship within the same day urgent orders.
- The use of **FSN Long Life Kit**, specifically studied for screw compressors, extends maintenance intervals, cutting down service costs and ensuring consistent product performance, with consequential energy saving.



Ask for the catalog with reference codes!

Maintenance interval,
using non original parts

Maintenance interval,
using original parts **+20%**

2.2-5.5 kW	1.000 h	2.000 h ** (or every year)	6.000 h	8.000 h	16.000 h
GHIBLI SE 2.2-08	1 Air filter cartridge.	2 Air filter cartridges.	1 x 2,000 hrs kit.	1 x 2,000 hrs kit.	1 x 8,000 hrs kit.
GHIBLI SE 2.2-10		1 Oil filter cartridge.	1 Belt.	1 Minimum pressure valve kit.	1 Air-end.
GHIBLI SE 2.2-10 M		1 Separator cartridge.	1 Intake regulator kit.	3 Pipes.	
GHIBLI SE 3.0-08		1 Oil check valve.	1 Solenoid valve.		
GHIBLI SE 3.0-10					
GHIBLI SE 4.0-08					
GHIBLI SE 4.0-10					
GHIBLI 4.0-08					
GHIBLI 4.0-10					
GHIBLI 4.0-13					
GHIBLI 5.5-08					
GHIBLI 5.5-10					
GHIBLI 5.5-13					
7.5-15 kW	1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
STORM 8-08	1 Air filter cartridge.	2 Air filter cartridges.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit.
STORM 8-10		1 Oil filter cartridge.	1 Minimum pressure valve.	1 Belt.	1 Air-end.
STORM 8-13		1 Separator cartridge.	4 Pipes.	1 Solenoid valve.	
STORM 11-08		1 Oil check valve.			
STORM 11-10		1 Intake regulator kit.			
STORM 11-13					
STORM 15-08					
STORM 15-10					
STORM 15-13					
STORM 16-08					
STORM 16-10					
STORM 16-13					

** We recommend to change oil at the indicated interval or every year. We suggest to use our RotEnergyPLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

11 kW VS		1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
STORM 11-08 VS	1 Air filter cartridge.		1 Air filter cartridge.	1 x 4,000 hrs kit. Pipes.	1 x 4,000 hrs kit. 1 Belt.	1 x 4,000 hrs kit. Air-end.
STORM 11-10 VS						
STORM 11-08 ES VS						
STORM 11-10 ES VS						
			1 Separator cartridge 1 Oil check valve. 1 Intake regulator kit.	Minimum pressure valve.	1 Solenoid valve.	
18.5-22 kW		1.000 h	4.000 h ** (or every year)	8.000 h **	12.000 h	24.000 h
STORM 18.5-08	1 Air filter cartridge.		2 Air filter cartridges. 1 Oil filter cartridge. 1 Separator cartridge 1 Oil check valve.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit. 1 Belt. 1 Intake regulator kit. 1 Minimum pressure valve kit. 1 Solenoid valve. 6 Pipes.	1 x 12,000 hrs kit. Air-end.
STORM 18.5-10						
STORM 18.5-13						
STORM 22-08						
STORM 22-10						
STORM 22-13						
STORM 22 VS						
30-37 kW		1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
STORM 31-08	1 Air filter cartridge.		2 Air filter cartridges. 1 Oil filter cartridge. 1 Separator cartridge 1 Oil check valve.	1 x 4,000 hrs kit.	1 x 4,000 hrs kit. 1 Belt. 1 Intake regulator kit. 1 Minimum pressure valve kit. 1 Solenoid valve. 5 Pipes.	1 x 4,000 hrs kit. Air-end.
STORM 31-10						
STORM 31-13						
STORM 38-08						
STORM 38-10						
STORM 38-13						
STORM 38 VS						
45-55 kW		1.000 h	4.000 h ** (or every year)	8.000 h	12.000 h	20.000 h
STORM 45-08	1 Primary air filter cartridge		2 Primary air filter cartridges. 1 Safety air filter cartridge. 1 Oil filter cartridge. 1 Separator cartridge (2 for 55 model). 1 Oil check valve (2 for 55 model). 1 Prefilter.	1 x 4,000 hrs kit. 1 Intake regulator kit. 1 Minimum pressure valve kit.	4,000 hrs kit. 1 Belt. 1 Solenoid valve. 5 Pipes.	4,000 hrs kit. Air-end.
STORM 45-10						
STORM 45-13						
STORM 55-08						
STORM 55-10						
STORM 55-13						
55-75 kW		1.000 h	4.000 h ** (or every year)	12.000 h	24.000 h	
STORM 56-10	1 Air filter cartridge.		1 Air filter cartridge. 1 Oil filter cartridge. 2 Separator cartridges. 2 Oil check valves. 1 Prefilter.	1 x 4,000 hrs kit. 1 Belt. 1 Intake regulator kit. 1 Minimum pressure valve kit. 1 Solenoid valve. 5 Pipes.		1 x 12,000 hrs kit. Air-end.
STORM 56-13						
STORM 56 VS						
STORM 75-10						
STORM 75-08						
STORM 75-13						
STORM 75 VS						

** We recommend to change oil at the indicated interval or every year. We suggest to use our RotEnergyPLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

ROTEENERGY SYNTHETIC LUBRICANTS

FSN lubricants are specially designed for rotary screw compressors to achieve rapid water separation, lower friction, enhanced energy savings, longer maintenance intervals and excellent bearing lubrication while offering superior rust and corrosion protection. RotEnergyFood is a high quality food-grade rotary compressor lubricant specifically designed for use in the food and beverage industries to meet their production quality standards.



#60000018	RotEnergyPlus 46 cSt - 1 x 3.25 kg (3.75 lt) package
#60000009	RotEnergyPlus 46 cSt - 4 x 3.25 kg (3.75 lt) packages
#60000007	RotEnergyPlus 46 cSt - 1 x 16 kg (18.5 lt) package
#60000012	RotEnergyPlus 46 cSt - 1 x 175 kg (210 lt) can
#60000014	RotEnergyFood 46 cSt - 4 x 3.25 kg (3.75 lt) packages
#60000016	RotEnergyFood 46 cSt - 1 x 16 kg (18.5 lt) package
#60000017	RotEnergyFood 46 cSt - 1 x 180 kg (207 lt) can



FLEXIBLE HOSES FOR TANK-COMPRESSOR CONNECTION

#199140618	3/4" x 1600 mm.
#199418000	1" x 1200 mm.
#199110810	1"-1/4 x 1200 mm.
#199MB0010	DN 80x1000 mm.
#199MB0001	2" x 1500 mm.



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Company Quality System Certification:

ISO 9001:2008

Authorized distributor: