MADE IN ITALY

POWER SYSTEM
AIR COMPRESSORS
NOT JUST AIR.

Full feature
compressed air workstation
including integrated dryer,
filters and air receiver.

G-TEC
7.5-22 kW

KELVIN
7.5-22 kW

NEW
2025 RANGE

FNA Group

Over 75 years of compressed air.

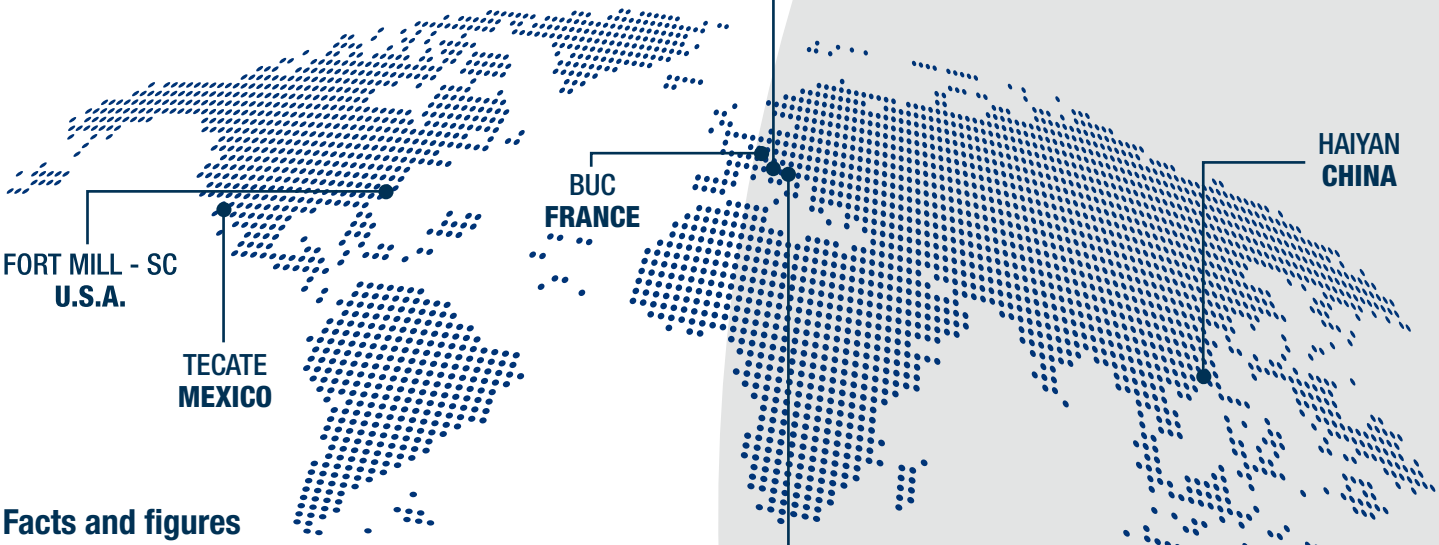
FNA is a Multinational Group with over 75 years of experience in the compressed air sector, founded from the merger of three great Italian compressor traditions, which has developed an industrial synergy capable of competing on the world market without fear of comparison. Thanks to the consolidated experience and leadership of a family that has been operating exclusively in the compressed air sector for two generations, since 1948, FNA is one of the leading manufacturers of air compressors for industrial, professional and consumer use.

Today, Power System is part of the FNA family and is the Groups brand that represents the pinnacle of our technology, aimed specifically at the Industrial market. Power System is an undisputed leader in the design, development, production and distribution of high-tech solutions for compressing air with the greatest possible energy savings, serving every sector, from large industry to small business.

Power System's screw compressors, in the 2.2 to 315 kW power range, are manufactured entirely in Italy in the province of Bologna, an area renowned for its excellence in precision engineering, where the most modern design, construction, assembly and testing technologies are applied to ensure customers reliable compressors with first-class performance.

TORINO
ITALY

Production sites around the world



Facts and figures

1.500.000	Piston compressors manufactured annually
11.000	Screw compressors manufactured annually
1.500	Global service centres
1.300	Employees
250	Million € turnover
120	The countries we export to
6	Production plants worldwide

POWER SYSTEM
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The Power System brand

Manufacturers of air-ends for over 30 years.

Power System is the leading Italian company, that has been able to combine craftsmanship with the most modern industrial technologies and highly specialised labour. The Made in Italy trademark is the expression of typical Italian quality and creativity, recognised and appreciated around the world, and which is now one of the distinguishing elements of our industrial production.

What makes Power System screw compressors unique is the guarantee of a product that is made entirely in Italy: from design to packaging, each stage of production is carefully overseen by our engineers and aimed at developing a machine that exceeds the most demanding requirements in terms of efficiency, quality, energy saving, performance, quiet and safe operation.
Each component is thoroughly selected to integrate perfectly with our air-ends and intake regulators.

Power System air-ends feature rotors with an optimised profile and outstanding performance.
The production process is completely integrated thanks to avant-garde machine tools with robotic component positioning and sophisticated control instrumentation that guarantees the highest level of quality.
Each single rotor is cut in four very specific manufacturing stages to achieve high precision, execution and repeatability.

Before reaching the customer, every individual compressor is fully tested before completing final checks that ensure total compliance with over fifty stringent technical requirements.

Since 1996, the company's Quality System has been certified according to UNI EN ISO 9001:2015.

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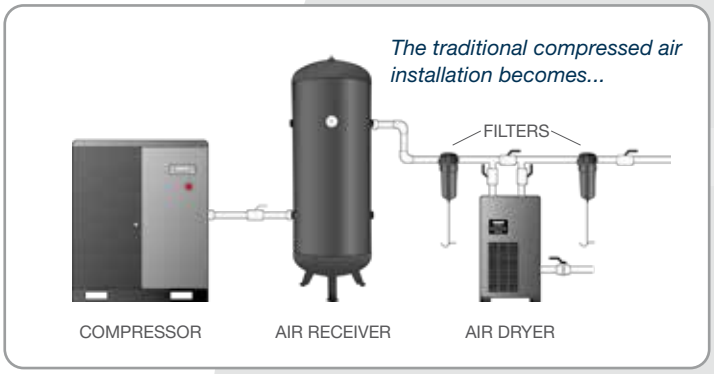
G-TEC & KELVIN Series 7.5-22

This range of belt driven, heavy duty, lubricated, air cooled industrial screw compressors, is available in various versions:
- G-TEC: "full feature air station", screw compressor + integrated dryer + air receiver.
- KELVIN: floor mounted, with integrated dryer;

All versions with dryer include two compressed air filters: a pre-filter at 5 micron and a final coalescing filter at 1 micron. Both filters are equipped with automatic drain.
Both G-TEC and KELVIN are available with variable speed versions.
The DNAir 2 controller monitors and operates everything: the compressor, the dryer, the condensate drain (intervals of which can be setted by the end user).
One single power cable (both for compressor and dryer) makes the installation simple, more economical and faster.

The G-TEC compressor is a full feature compressed air station: all the fundamental components that form a complex system are assembled conveniently into workstation, saving space and improving efficiency.



- Air compressor
- Air receiver (270 or 500 lt)
- Integrated refrigeration dryer including 2 compressed air treating filters, a dust pre-filter (5 micron) and a post-dryer coalescence filter (1 micron)
- Automatic condensate drain system
- DNAir2 electronic controller
- Inverter (DV models only)

G-TEC is a very user friendly compressor, perfect for industrial and automotive situations or any application that requires dry and clean compressed air, with minimal space requirement.
The G-TEC offers a true "industrial total compressed air solution".

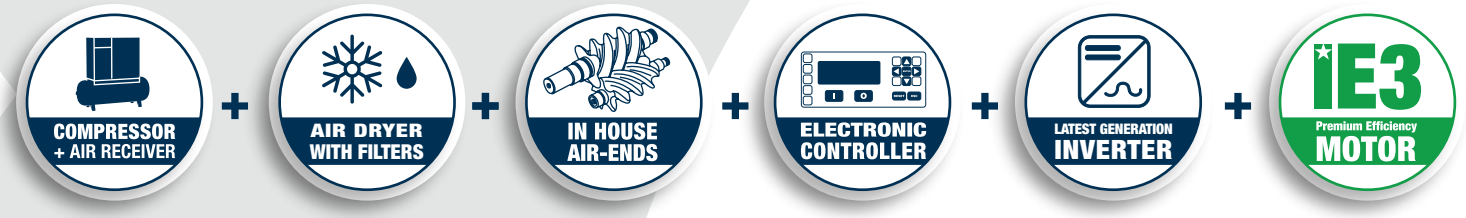
KELVIN 18.5 - 22

KELVIN 7.5 - 11 - 15 - 16

POWER SYSTEM AIR COMPRESSORS NOT JUST AIR.

A wide range of compressed air solutions: G-TEC in full feature workstation, KELVIN in the floor mounted configuration.

VERSION	Size	Power (kW)	Model	Floor mounted	Floor mounted + dryer	With air receiver + dryer	Air-end	Electronic controller	Fixed speed	Variable speed (DV)	Electric motor efficiency
G-TEC	1	7.5	G-TEC 7.5	–	–	270-500 ℓ	FS26	DNAir2	●	–	IE3
		11	G-TEC 11	–	–	270-500 ℓ	FS26	DNAir2	●	●	IE3
		15	G-TEC 15	–	–	270-500 ℓ	FS26	DNAir2	●	–	IE3
		16	G-TEC 16	–	–	270-500 ℓ	FS50	DNAir2	●	●	IE3
	2	18.5	G-TEC 18.5	–	–	500 ℓ	FS50	DNAir2	●	–	IE3
		22	G-TEC 22	–	–	500 ℓ	FS50	DNAir2	●	●	IE3
KELVIN	1	7.5	KELVIN 7.5	●	● DF	–	FS26	DNAir2	●	–	IE3
		11	KELVIN 11	●	● DF	–	FS26	DNAir2	●	●	IE3
		15	KELVIN 15	●	● DF	–	FS26	DNAir2	●	–	IE3
		16	KELVIN 16	●	● DF	–	FS50	DNAir2	●	●	IE3
	2	18.5	KELVIN 18.5	●	● DF	–	FS50	DNAir2	●	–	IE3
		22	KELVIN 22	●	● DF	–	FS50	DNAir2	●	●	IE3



G-TEC: A FULL FEATURE COMPRESSED AIR WORKSTATION!

G-TEC 7.5 - 11 - 15 - 16

G-TEC 18.5 - 22

POWER SYSTEM AIR COMPRESSORS
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G-TEC e KELVIN 7.5-22

Quiet operation

The centrifugal fan design along with the careful arrangement of all other components, added to the extensive sound insulation provides a sound level among the lowest available, allowing a more comfortable work place.

Simplified maintenance

All of the routine service components are located in the most convenient and easily accessible position. The panels can be taken away or opened for complete access.
Maintenance costs are reduced and efficiency improved thanks to the use of the highest quality components.

Compact and modular design

G-TEC and KELVIN have been designed to offer maximum performance and the highest reliability, in a compact space saving format, with a wide choice of setups.

High quality compressed air

G-TEC and KELVIN DF are supplied with a fully integrated air treatment package that includes a refrigerated dryer (3°C dew point) and with two in line filters providing high quality dry compressed air, improving the final product quality, efficiency and productivity.

Plug & Play

The G-TEC range includes: air compressor, refrigerated dryer, pre and fine filtration with condensate drain, sophisticated electronic controller and air receiver, all pre-installed for ease of installation, reduced costs and improved reliability.
The energy saving G-TEC DV models include our latest variable speed drive technology.

High efficiency and energy saving

The design of the G-TEC and KELVIN compressors, including the IE3 Premium Efficiency motors and the DNAir2 controller fitted as standard, have been fully focused on combining maximum convenience with optimum energy efficiency.

HIGH EFFICIENCY
AIR-END AND INVERTER

+

ADVANCED
INTUITIVE CONTROL

+

COMPRESSOR
+ AIR RECEIVER
(G-TEC version)

+

ON BOARD DUAL
COMPRESSED AIR FILTRATION

+

INTEGRATED DRYER

ENERGY EFFICIENCY CLASSIFICATION
according to standard IEC 60034-30-1

IE3	**Premium Efficiency**
IE2	**High Efficiency**
IE1	**Standard Efficiency**
	Non-standard

The integration of all the fundamental components in a single G-TEC workstation provides numerous significant advantages:

- Drastically reduced installation time and cost;
- High quality, clean and dry compressed air;
- Fully automatic, self monitoring and integrated system;
- The maintenance friendly design allows complete and simple access to all service components, reducing costs and downtime;
- Dry air receiver ensures a constant flow of dry compressed air, whilst reducing corrosion;
- Lower operating costs;
- Automatic condensate discharge operated and adjusted from the main controller and arranged in a single outlet;
- The thermostatic valve regulates the oil temperature, preventing the formation of condensation inside the oil-separator vessel;
- Clear visualization of all operating values of the compressor, as well as the dryer operation, is displayed on the large clear display from the proven DNAir2 controller.

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DNAir2 smart controller

The DNAir2 advanced controller fitted to the G-TEC and KELVIN range has been specifically developed to guarantee optimum monitoring and regulation of the compressor, allowing flexibility and full programming of the complete compressed air station for maximum efficiency and safety.

The DNAir2 electronic controller provides a multi-function and multi-language backlit LCD graphic display, the menu is drop down type for simple intuitive operation.
The display shows familiar and convenient icons for ease of use.

The DNAir2 displays the following important information:

- Working pressure (offload and load pressure);
- Oil temperature;
- Compressor status (stand-by, offload, load);
- Cooling fan status (off/on);
- Date and time;
- Hours remaining to maintenance;
- Percentage load (inverter/variable speed models);
- Dryer dew point indicator (versions with dryer);
- Total and load operation hours.

Weekly programming

With the DNAir2 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 connecting them).

Master/slave function

DNAir2 controller provides a control capability for up to 4 compressors in one system.
The system pressure can be dynamically programmed to various pressure settings.

Total control, even remotely.

SMS Device

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 forwarding 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 additional software requirements;
- compressor online status check.

9062744	ANTENNA KIT + SMS DEVICE

EasyX4

Optimised plant room management

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 managed within groups.

#405531604SGL	EASY X4 CONTROL UNIT

Advanced controller

The DNAir2 provides a control capability for up to 4 compressors in one system. The controller also provides advanced features such as diagnostics and full connectivity with external devices.

Minimum pressure valve

Produced and designed in house using high quality materials and precision machining centers.
The advanced design and high quality of engineering results in maximum reliability and increased air delivery in all operating conditions.

Spin-on filters

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

Inverter

The highest quality inverter ensures the best efficiency and energy savings, through the entire speed and load range.

High-performance air-ends

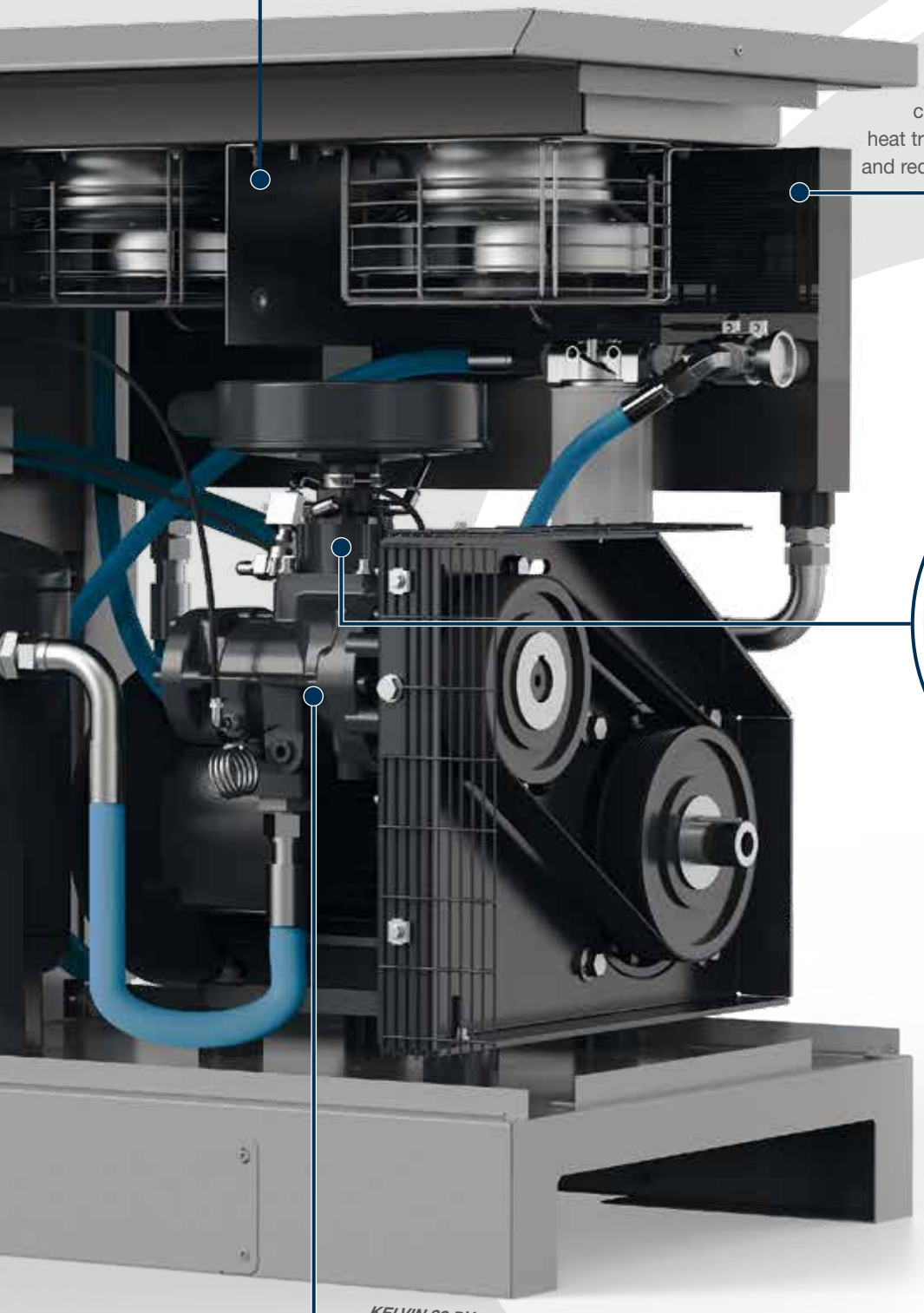
Our own high performance and extremely reliable air-ends are entirely produced at our Italian facilities.

Cooling system

The thermosatically controlled centrifugal fan is automatically activated by means of the DNAir2 controller. This allows the machine to quickly reach and maintain the ideal operating temperature. The fan is protected by a safety guard ensuring maximum operator security. The 18.5 and 22 kW models are fitted with 2 fans.

Heat exchanger

Carefully designed to combine highly efficient heat transfer in all conditions and reduced pressure losses.



KELVIN 22 DV

Intake regulator

The highly reliable and robust electropneumatic system adjusts the compressors operation to guarantee minimum pressure when idle running and provide maximum saving upon start-up. All this translates into an optimal energy cost/performance ratio.

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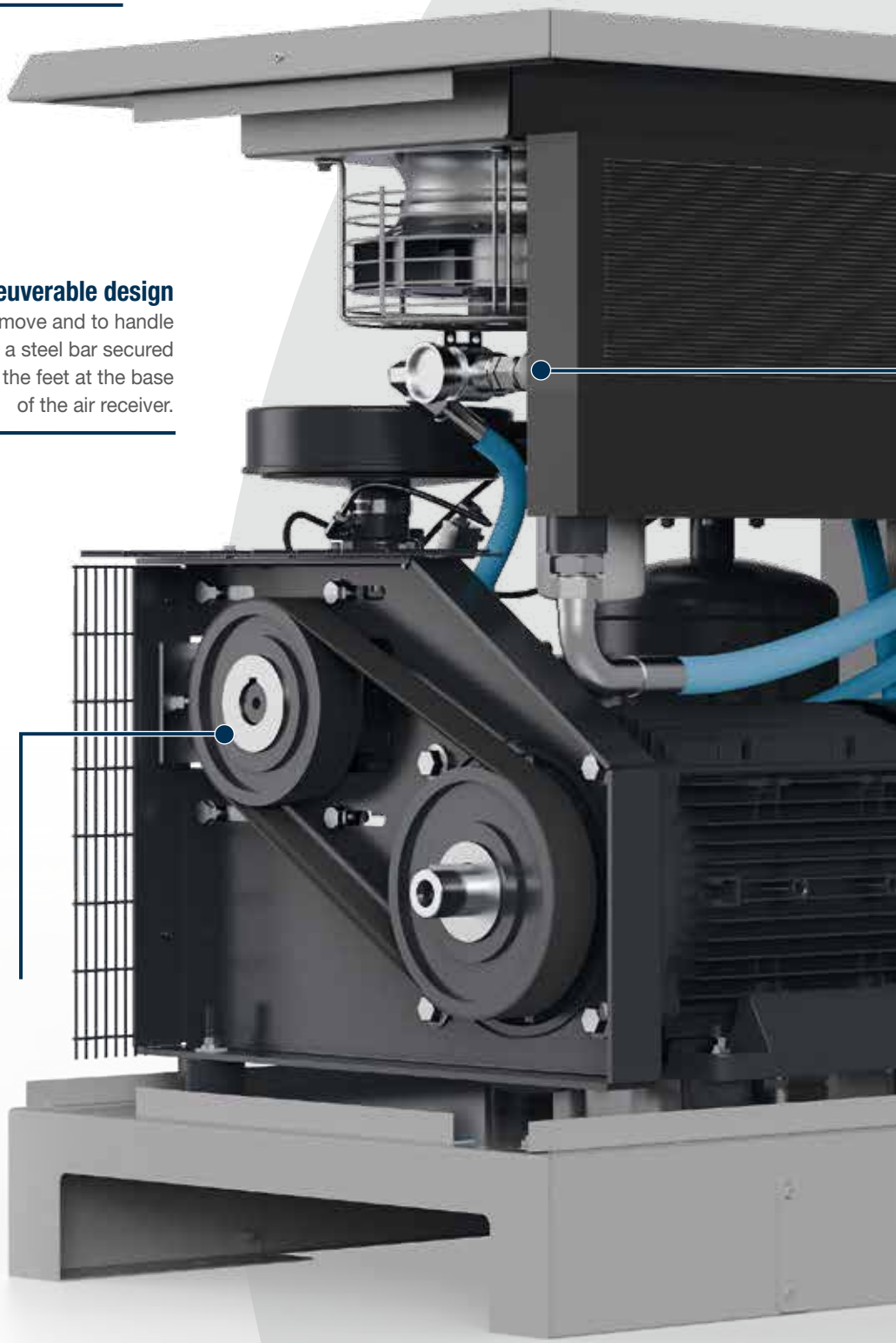
Cooling air prefiltration panel

The standard pre-filtering and washable panel filter assists in keeping the inside of the machine clean and ensures ease of maintenance and cooler operation.

An additional pre-filtering panel motor side is fitted on 15 kW models.

Highly maneuverable design

Easy to move and to handle thanks to a steel bar secured between the feet at the base of the air receiver.



Belt-driven transmission and belt protection system

The POLY-V belt-drive ensures significantly lower power losses and three times the service life compared to standard range "V" type belts.
Belt tensioning is carried out through a slider system.

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Thermostatic valve

The thermostatic valve regulates the oil temperature, preventing the formation of condensation inside the oil-separator vessel.

Easy maintenance

The smart design allows easy access to internal components, for easy maintenance.

Integrated dryer and dual compressed air filtration

The G-TEC and KELVIN DF range features a fully integrated and complete air treatment module including a generously sized refrigerated air dryer and both inlet and outlet high efficiency filtration. This configuration delivers dry and clean compressed air as per quality classes 2-4-2, in accordance with ISO 8573-1. The automatic drain of the condensate is collected from the refrigerated dryer and filters and driven to convenient, single outlet.

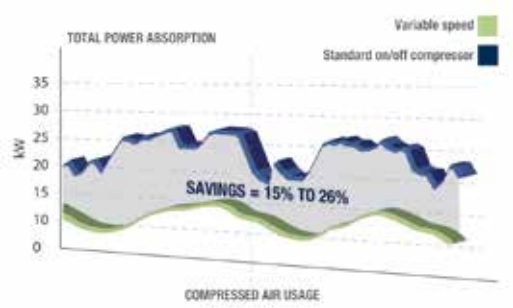
KELVIN 22 DF

High efficiency motors

IE3 “Premium Efficiency” motors with IP55 protection are fitted as standard.

Frequency control: significant energy savings.

Reducing power consumption and protecting our valuable energy resources represents one of the greatest global environmental challenges of our times. With decades of experience in the manufacture and design of Variable Speed rotary screw compressors, Power System is recognised as a technological leader in the field of inverter technology, your ideal partner and uniquely qualified to offer the most suitable energy saving solutions.



A conventional fixed speed air compressor is typically controlled by the inlet valve, opening and closing continuously to meet the air demand. This type of operation may result in a large amount of wasted energy due to the compressor's operation within an on and off load position, typically resulting in expensive non productive "idle running".
The constant pressure control obtained with the inverter in the variable speed versions, together with the absence of the idle running cycles and their subsequent discharge of valuable compressed air, reduces energy consumption drastically.

The application of a frequency inverter, able to dynamically adjust the voltage/frequency/current values provided to 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;
- Compressed air generation that will precisely match the air demand;
- The air output is constantly adjusted through a wide range of capacity, to suit the demands of the system;
- Constant and accurate operating air pressure control, selectable at any value between 6 and 10 bar (13 bar option also available);
- The energy consumption is proportional to the compressed air delivered.

Analyze your company's consumption to minimize energy waste.

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?

Compressed air is most critical to production and manufacturing operations everywhere. The energy audit provides a valuable analysis of the system, identifying all operating data including power consumption.
The very precise data collected is then used to provide a simulation report, identifying opportunities for reducing energy consumption and improving efficiencies.

Our experience at your service

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

	ideal for compressors' rooms up to 3 units
EA 400 **code 9062747**	4 analogue inputs: - 3 amperometric 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 **code 9062748**	5 analogue inputs: - 4 amperometric clamps - 1 pressure sensor 2 extensions for cables (10m long) 7" colour touch screen display

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G-TEC
7.5-22 kW

Code		Air receiver	Power		Air outflow rate (min. - max.)			Max. pressure		Air-end	Noise level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
		ℓ	kW	HP	l/min.	m³/min.	c.f.m.	bar	p.s.i.		dB(A)	G	kg	L x W x H (mm)	kg	L x W x H (mm)
FIXED SPEED																
7.5 kW																
G-TEC 7.5-08-270	V91SG92PWSB80	270	7.5	10	1250	1.25	44	8	116	FS26	62	3/4"	355	1500x700x1540	395	1720x750x1760
G-TEC 7.5-10-270	V91SH92PWSB80	270	7.5	10	1000	1.00	35	10	145	FS26	62	3/4"	355	1500x700x1540	395	1720x750x1760
G-TEC 7.5-13-270	V91SM92PWSB80	270	7.5	10	750	0.75	26	13	189	FS26	62	3/4"	405	1500x700x1540	445	1720x750x1760
G-TEC 7.5-08-500	V83SG92PWSB80	500	7.5	10	1250	1.25	44	8	116	FS26	62	3/4"	422	1500x700x1540	462	2070x800x1850
G-TEC 7.5-10-500	V83SH92PWSB80	500	7.5	10	1000	1.00	35	10	145	FS26	62	3/4"	422	1500x700x1540	462	2070x800x1850
G-TEC 7.5-13-500	V83SM92PWSB80	500	7.5	10	750	0.75	26	13	189	FS26	62	3/4"	455	1500x700x1540	495	2070x800x1850
11 kW																
G-TEC 11-08-270	V91SN92PWSB80	270	11	15	1650	1.65	58	8	116	FS26	63	3/4"	365	1980x700x1666	400	1720x750x1760
G-TEC 11-10-270	V91SP92PWSB80	270	11	15	1500	1.50	53	10	145	FS26	63	3/4"	365	1980x700x1666	400	1720x750x1760
G-TEC 11-13-270	V91SQ92PWSB80	270	11	15	1150	1.15	41	13	189	FS26	63	3/4"	415	1980x700x1666	450	1720x750x1760
G-TEC 11-08-500	V83SN92PWSB80	500	11	15	1650	1.65	58	8	116	FS26	63	3/4"	432	1980x700x1666	472	2070x800x1850
G-TEC 11-10-500	V83SP92PWSB80	500	11	15	1500	1.50	53	10	145	FS26	63	3/4"	432	1980x700x1666	472	2070x800x1850
G-TEC 11-13-500	V83SQ92PWSB80	500	11	15	1150	1.15	41	13	189	FS26	63	3/4"	460	1980x700x1666	500	2070x800x1850
15 kW																
G-TEC 15-08-270	V91SR92PWSB80	270	15	20	2150	2.15	76	8	116	FS26	64	3/4"	380	1980x700x1666	420	1720x750x1760
G-TEC 15-10-270	V91SS92PWSB80	270	15	20	1850	1.85	65	10	145	FS26	64	3/4"	380	1980x700x1666	420	1720x750x1760
G-TEC 15-13-270	V91ST92PWSB80	270	15	20	1550	1.55	55	13	189	FS26	64	3/4"	430	1980x700x1666	470	1720x750x1760
G-TEC 15-08-500	V83SR92PWSB80	500	15	20	2150	2.15	76	8	116	FS26	64	3/4"	447	1980x700x1666	487	2070x800x1850
G-TEC 15-10-500	V83SS92PWSB80	500	15	20	1850	1.85	65	10	145	FS26	64	3/4"	447	1980x700x1666	487	2070x800x1850
G-TEC 15-13-500	V83ST92PWSB80	500	15	20	1550	1.55	55	13	189	FS26	64	3/4"	480	1980x700x1666	520	2070x800x1850
G-TEC 16-08-270	V91TB92PWSB80	270	15	20	2350	2.35	83	8	116	FS50	67	3/4"	400	1980x700x1666	434	1720x750x1760
G-TEC 16-10-270	V91TC92PWSB80	270	15	20	2050	2.05	72	10	145	FS50	67	3/4"	400	1980x700x1666	434	1720x750x1760
G-TEC 16-13-270	V91TD92PWSB80	270	15	20	1750	1.75	62	13	189	FS50	67	3/4"	400	1980x700x1666	434	1720x750x1760
G-TEC 16-08-500	V83TB92PWSB80	500	15	20	2350	2.35	83	8	116	FS50	67	3/4"	468	1980x700x1666	510	2070x800x1850
G-TEC 16-10-500	V83TC92PWSB80	500	15	20	2050	2.05	72	10	145	FS50	67	3/4"	468	1980x700x1666	510	2070x800x1850
G-TEC 16-13-500	V83TD92PWSB80	500	15	20	1750	1.75	62	13	189	FS50	67	3/4"	500	1980x700x1666	540	2070x800x1850
18.5 kW																
G-TEC 18.5-08-500	V83SU92PWSB80	500	18.5	25	2700	2.70	95	8	116	FS50	70	3/4"	567	1980x730x1750	600	2070x800x1930
G-TEC 18.5-10-500	V83SV92PWSB80	500	18.5	25	2500	2.50	88	10	145	FS50	70	3/4"	563	1980x730x1750	603	2070x800x1930
G-TEC 18.5-13-500	V83SZ92PWSB80	500	18.5	25	2050	2.05	72	13	189	FS50	70	3/4"	563	1980x730x1750	603	2070x800x1930
22 kW																
G-TEC 22-08-500	V83SJ92PWSB80	500	22	30	3350	3.35	118	8	116	FS50	71	3/4"	583	1980x730x1750	623	2070x800x1930
G-TEC 22-10-500	V83SY92PWSB80	500	22	30	3000	3.00	106	10	145	FS50	71	3/4"	583	1980x730x1750	623	2070x800x1930
G-TEC 22-13-500	V83SW92PWSB80	500	22	30	2400	2.40	85	13	189	FS50	71	3/4"	583	1980x730x1750	623	2070x800x1930
VARIABLE SPEED																
11 kW																
G-TEC 11-08-270 DV	V91SN97PWSB80	270	11	15	650-1650	0.65-1.65	23-58	8	116	FS26	63	3/4"	369	1500x700x1540	404	1720x750x1760
G-TEC 11-10-270 DV	V91SP97PWSB80	270	11	15	750-1500	0.75-1.50	26-53	10	145	FS26	63	3/4"	369	1500x700x1540	404	1720x750x1760
G-TEC 11-13-270 DV	V91SQ97PWSB80	270	11	15	475-1150	0.48-1.15	17-41	13	189	FS26	63	3/4"	419	1500x700x1540	434	1720x750x1760
G-TEC 11-08-500 DV	V83SN97PWSB80	500	11	15	650-1650	0.65-1.65	23-58	8	116	FS26	63	3/4"	436	1980x700x1666	475	2070x800x1850
G-TEC 11-10-500 DV	V83SP97PWSB80	500	11	15	750-1500	0.75-1.50	26-53	10	145	FS26	63	3/4"	436	1980x700x1666	475	2070x800x1850
G-TEC 11-13-500 DV	V83SQ97PWSB80	500	11	15	475-1150	0.48-1.15	17-41	13	189	FS26	63	3/4"	469	1980x700x1666	510	2070x800x1850
15 kW																
G-TEC 16-08-270 DV	V91TB97PWSB80	270	15	20	1050-2350	1.05-2.35	37-83	8	116	FS50	67	3/4"	390	1500x700x1540	424	1720x750x1760
G-TEC 16-10-270 DV	V91TC97PWSB80	270	15	20	920-2050	0.95-2.05	32-72	10	145	FS50	67	3/4"	390	1500x700x1540	424	1720x750x1760
G-TEC 16-13-270 DV	V91TD97PWSB80	270	15	20	700-1750	0.70-1.75	25-62	13	189	FS50	67	3/4"	390	1500x700x1540	424	1720x750x1760
G-TEC 16-08-500 DV	V83TB97PWSB80	500	15	20	1050-2350	1.05-2.35	37-83	8	116	FS50	67	3/4"	458	1980x700x1666	500	2070x800x1850
G-TEC 16-10-500 DV	V83TC97PWSB80	500	15	20	920-2050	0.95-2.05	32-72	10	145	FS50	67	3/4"	458	1980x700x1666	500	2070x800x1850
G-TEC 16-13-500 DV	V83TD97PWSB80	500	15	20	700-1750	0.70-1.75	25-62	13	189	FS50	67	3/4"	490	1980x700x1666	530	2070x800x1850
22 kW																
G-TEC 22-08-500 DV	V83SJ97PWSB80	500	22	30	1340-3350	1.34-3.35	47-118	8	116	FS50	71	3/4"	610	1980x730x1750	650	2070x800x1930
G-TEC 22-10-500 DV	V83SY97PWSB80	500	22	30	1200-3000	1.20-3.00	42-106	10	145	FS50	71	3/4"	610	1980x730x1750	650	2070x800x1930
G-TEC 22-13-500 DV	V83SW97PWSB80	500	22	30	960-2400	0.96-2.40	34-85	13	189	FS50	71	3/4"	610	1980x730x1750	650	2070x800x1930

All G-TEC models are complete with refrigerated dryer with 5 micron inlet filter, 1 micron outlet filter and automatic condensate drain.
***DV** = variable speed.*
Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).
Air flow was measured in the following operating pressure values:
FIXED SPEED: 8 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models.
VARIABLE SPEED: 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 2151, with a tolerance of ±3 dB(A).

POWER SYSTEM
AIR COMPRESSORS
NOT JUST AIR.

KELVIN
7.5-22 kW

Code	Power		Air outflow rate (min. - max.)			Max. pressure		Air-end	Noise level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
	kW	HP	l/min.	m³/min.	c.f.m.	bar	p.s.i.		dB(A)	G	kg	L x W x H (mm)	kg	L x W x H (mm)
FIXED SPEED														
7.5 kW														
KELVIN 7.5-08	V60SG92PWSA87	7.5	10	1250	1.25	44	8	116	FS26	62	3/4"	255	1200x700x1000	280	1330x800x1280
KELVIN 7.5-10	V60SH92PWSA87	7.5	10	1000	1.00	35	10	145	FS26	62	3/4"	255	1200x700x1000	280	1330x800x1280
KELVIN 7.5-13	V60SM92PWSA87	7.5	10	750	0.75	26	13	189	FS26	62	3/4"	255	1200x700x1000	280	1330x800x1280
KELVIN 7.5-08 DF	V60SG92PWSB87	7.5	10	1250	1.25	44	8	116	FS26	62	3/4"	290	1200x700x1000	315	1330x800x1280
KELVIN 7.5-10 DF	V60SH92PWSB87	7.5	10	1000	1.00	35	10	145	FS26	62	3/4"	290	1200x700x1000	315	1330x800x1280
KELVIN 7.5-13 DF	V60SM92PWSB87	7.5	10	750	0.75	26	13	189	FS26	62	3/4"	290	1200x700x1000	315	1330x800x1280
11 kW														
KELVIN 11-08	V60SN92PWSA87	11	15	1650	1.65	58	8	116	FS26	63	3/4"	260	1200x700x1000	285	1330x800x1280
KELVIN 11-10	V60SP92PWSA87	11	15	1500	1.50	53	10	145	FS26	63	3/4"	260	1200x700x1000	285	1330x800x1280
KELVIN 11-13	V60SQ92PWSA87	11	15	1150	1.15	41	13	189	FS26	63	3/4"	260	1200x700x1000	285	1330x800x1280
KELVIN 11-08 DF	V60SN92PWSB87	11	15	1650	1.65	58	8	116	FS26	63	3/4"	300	1200x700x1000	325	1330x800x1280
KELVIN 11-10 DF	V60SP92PWSB87	11	15	1500	1.50	53	10	145	FS26	63	3/4"	300	1200x700x1000	325	1330x800x1280
KELVIN 11-13 DF	V60SQ92PWSB87	11	15	1150	1.15	41	13	189	FS26	63	3/4"	300	1200x700x1000	325	1330x800x1280
15 kW														
KELVIN 15-08	V60SR92PWSA87	15	20	2150	2.15	76	8	116	FS26	64	3/4"	275	1200x700x1000	300	1330x800x1280
KELVIN 15-10	V60SS92PWSA87	15	20	1850	1.85	65	10	145	FS26	64	3/4"	275	1200x700x1000	300	1330x800x1280
KELVIN 15-13	V60ST92PWSA87	15	20	1550	1.55	55	13	189	FS26	64	3/4"	275	1200x700x1000	300	1330x800x1280
KELVIN 15-08 DF	V60SR92PWSB87	15	20	2150	2.15	76	8	116	FS26	64	3/4"	315	1200x700x1000	340	1330x800x1280
KELVIN 15-10 DF	V60SS92PWSB87	15	20	1850	1.85	65	10	145	FS26	64	3/4"	315	1200x700x1000	340	1330x800x1280
KELVIN 15-13 DF	V60ST92PWSB87	15	20	1550	1.55	55	13	189	FS26	64	3/4"	315	1200x700x1000	340	1330x800x1280
KELVIN 16-08	V60TB92PWSA87	15	20	2350	2.35	83	8	116	FS50	67	3/4"	335	1200x700x1000	360	1330x800x1280
KELVIN 16-10	V60TC92PWSA87	15	20	2050	2.05	72	10	145	FS50	67	3/4"	335	1200x700x1000	360	1330x800x1280
KELVIN 16-13	V60TD92PWSA87	15	20	1750	1.75	62	13	189	FS50	67	3/4"	335	1200x700x1000	360	1330x800x1280
KELVIN 16-08 DF	V60TB92PWSB87	15	20	2350	2.35	83	8	116	FS50	67	3/4"	375	1200x700x1000	400	1330x800x1280
KELVIN 16-10 DF	V60TC92PWSB87	15	20	2050	2.05	72	10	145	FS50	67	3/4"	375	1200x700x1000	400	1330x800x1280
KELVIN 16-13 DF	V60TD92PWSB87	15	20	1750	1.75	62	13	189	FS50	67	3/4"	375	1200x700x1000	400	1330x800x1280
18.5 kW														
KELVIN 18.5-08	V60SU92PWSA87	18.5	25	2700	2.70	95	8	116	FS50	70	3/4"	398	1510x730x1085	423	1650x960 x1350
KELVIN 18.5-10	V60SV92PWSA87	18.5	25	2500	2.50	88	10	145	FS50	70	3/4"	398	1510x730x1085	423	1650x960 x1350
KELVIN 18.5-13	V60SZ92PWSA87	18.5	25	2050	2.05	72	13	189	FS50	70	3/4"	398	1510x730x1085	423	1650x960 x1350
KELVIN 18.5-08 DF	V60SU92PWSB87	18.5	25	2700	2.70	95	8	116	FS50	70	3/4"	443	1510x730x1085	468	1650x960 x1350
KELVIN 18.5-10 DF	V60SV92PWSB87	18.5	25	2500	2.50	88	10	145	FS50	70	3/4"	443	1510x730x1085	468	1650x960 x1350
KELVIN 18.5-13 DF	V60SZ92PWSB87	18.5	25	2050	2.05	72	13	189	FS50	70	3/4"	443	1510x730x1085	468	1650x960 x1350
22 kW														
KELVIN 22-08	V60SJ92PWSA87	22	30	3350	3.35	118	8	116	FS50	71	3/4"	418	1510x730x1085	447	1650x960 x1350
KELVIN 22-10	V60SY92PWSA87	22	30	3000	3.00	106	10	145	FS50	71	3/4"	418	1510x730x1085	447	1650x960 x1350
KELVIN 22-13	V60SW92PWSA87	22	30	2400	2.40	85	13	189	FS50	71	3/4"	418	1510x730x1085	447	1650x960 x1350
KELVIN 22-08 DF	V60SJ92PWSB87	22	30	3350	3.35	118	8	116	FS50	71	3/4"	463	1510x730x1085	492	1650x960 x1350
KELVIN 22-10 DF	V60SY92PWSB87	22	30	3000	3.00	106	10	145	FS50	71	3/4"	463	1510x730x1085	492	1650x960 x1350
KELVIN 22-13 DF	V60SW92PWSB87	22	30	2400	2.40	85	13	189	FS50	71	3/4"	463	1510x730x1085	492	1650x960 x1350
VARIABLE SPEED														
11 kW														
KELVIN 11-08 DV	V60SN97PWSA87	11	15	650-1650	0.65-1.65	23-58	8	116	FS26	63	3/4"	270	1200x700x1000	295	1330x800x1280
KELVIN 11-10 DV	V60SP97PWSA87	11	15	750-1500	0.75-1.50	26-53	10	145	FS26	63	3/4"	270	1200x700x1000	295	1330x800x1280
KELVIN 11-13 DV	V60SQ97PWSA87	11	15	475-1150	0.48-1.15	17-41	13	189	FS26	63	3/4"	270	1200x700x1000	295	1330x800x1280
KELVIN 11-08 DV-DF	V60SN97PWSB87	11	15	650-1650	0.65-1.65	23-58	8	116	FS26	63	3/4"	305	1200x700x1000	330	1330x800x1280
KELVIN 11-10 DV-DF	V60SP97PWSB87	11	15	750-1500	0.75-1.50	26-53	10	145	FS26	63	3/4"	305	1200x700x1000	330	1330x800x1280
KELVIN 11-13 DV-DF	V60SQ97PWSB87	11	15	475-1150	0.48-1.15	17-41	13	189	FS26	63	3/4"	305	1200x700x1000	330	1330x800x1280
15 kW														
KELVIN 16-08 DV	V60TB97PWSA87	15	20	1050-2350	1.05-2.35	37-83	8	116	FS50	67	3/4"	325	1200x700x1000	350	1330x800x1280
KELVIN 16-10 DV	V60TC97PWSA87	15	20	920-2050	0.95-2.05	32-72	10	145	FS50	67	3/4"	325	1200x700x1000	350	1330x800x1280
KELVIN 16-13 DV	V60TD97PWSA87	15	20	700-1750	0.70-1.75	25-62	13	189	FS50	67	3/4"	325	1200x700x1000	350	1330x800x1280
KELVIN 16-08 DV-DF	V60TB97PWSB87	15	20	1050-2350	1.05-2.35	37-83	8	116	FS50	67	3/4"	365	1200x700x1000	390	1330x800x1280
KELVIN 16-10 DV-DF	V60TC97PWSB87	15	20	920-2050	0.95-2.05	32-72	10	145	FS50	67	3/4"	365	1200x700x1000	390	1330x800x1280
KELVIN 16-13 DV-DF	V60TD97PWSB87	15	20	700-1750	0.70-1.75	25-62	13	189	FS50	67	3/4"	365	1200x700x1000	390	1330x800x1280
22 kW														
KELVIN 22-08 DV	V60SJ97PWSA87	22	30	1340-3350	1.34-3.35	47-118	8	116	FS50	71	3/4"	438	1510x730x1085	484	1650x955x1350
KELVIN 22-10 DV	V60SY97PWSA87	22	30	1200-3000	1.20-3.00	42-106	10	145	FS50	71	3/4"	438	1510x730x1085	484	1650x960x1350
KELVIN 22-13 DV	V60SW97PWSA87	22	30	960-2400	0.96-2.40	34-85	13	189	FS50	71	3/4"	438	1510x730x1085	484	1650x960x1350
KELVIN 22-08 DV-DF	V60SJ97PWSB87	22	30	1340-3350	1.34-3.35	47-118	8	116	FS50	71	3/4"	483	1510x730x1085	529	1650x955x1350
KELVIN 22-10 DV-DF	V60SY97PWSB87	22	30	1200-3000	1.20-3.00	42-106	10	145	FS50	71	3/4"	483	1510x730x1085	529	1650x960x1350
KELVIN 22-13 DV-DF	V60SW97PWSB87	22	30	960-2400	0.96-2.40	34-85	13	189	FS50	71	3/4"	483	1510x730x1085	529	1650x960x1350

***DF** = refrigerated dryer with 5 micron inlet filter, 1 micron outlet filter and automatic condensate drain.*
***DV** = variable speed.*
***DV-DF** = variable speed with refrigerated dryer with 5 micron inlet filter, 1 micron outlet filter and automatic condensate drain.*
Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).
Air flow was measured in the following operating pressure values:
FIXED SPEED: 8 bar for "08" models - 10 bar for "10" models - 13 bar for "13" models.
VARIABLE SPEED: 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 2151, with a tolerance of ±3 dB(A).

POWER SYSTEM AIR COMPRESSORS
NOT JUST AIR.

Extend the life and efficiency of your screw compressor.

In addition to offering the highest quality and technologically advanced products, Power System focuses its attention on customer care and full technical and product support, identifying our customers' needs and the most suitable solutions.
Our skilled and professional team grants assistance over the phone/email, technical on-site consultancy, personalised quotations, maintenance programs, training programmes, etc.

The importance of original spare parts...

FSN is the brand of the original spare parts and after sales activities for all Power System compressors. FSN 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. Our “Hot-Line” service guarantees the shipment of urgent spare parts within twenty-four hours from the order.

Long Life Kit: for the scheduled maintenance of screw compressors

To make maintenance planning simple and in accordance with the recommendations, Power System has developed its “LONG LIFE SERVICE KITS”, specifically created for all Power System screw compressor models.
Using Long Life Kits ensures an extended service life, increased safety whilst ensuring maximum compressor performance.

Investment guaranteed up to 5 years! with the TRUST warranty extension

Power System believes so strongly in the quality and reliability of its compressors that we guarantee them for up to FIVE years! By choosing Trust it is possible to extend the standard warranty period by 3 or 5 years, through a complete preventive maintenance program.
There are many benefits: the customer can thereby avail of the qualified assistance of authorised technicians in complete safety, reducing the uncertainty of maintenance costs and foreseeing any downtime. Also, the use of original spare parts guaranteed by the FSN trademark will ensure that the compressor operates with maximum efficiency and for a longer service life.
The “Trust” warranty can be easily extended online through EasyConnect, the Power System service portal specially created to simplify the customers' experience by providing them with quick, clear responses about product availability, order tracking and shipping times.

POWER SYSTEM
AIR COMPRESSORS
NOT JUST AIR.

...and specific lubricants

Our FSN mineral or synthetic based lubricants, are specifically designed for use on our screw compressors. They are available in cans or drums in various sizes.

RotarECOFLUID 46 cSt mineral oil

#600000020	1 x 3.8-litre can (3.3 kg)
#600000021	1 x 20-litre can (17.36 kg)
#600000022	1 x 200-litre drum (174 kg)

Formulated with high quality selected mineral oil, this lubricant offers 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 continued high performance.

RotEnergyPlus 46 cSt synthetic oil

#600000018A	1 x 3.8-litre can (3.25 kg)
#600000007A	1 x 19-litre can (16 kg)
#600000012A	1 x 208-litre drum (181 kg)

Ensures quick water separation with reduced friction and energy consumption, provides long maintenance intervals and ensures excellent lubrication of the bearings while offering an excellent protection throughout.

RotEnergyFood 46 cSt synthetic oil

#600000019A	1 x 3.9-litre can (3.25 kg)
#600000016A	1 x 19-litre can (18.5 kg)
#600000017A	1 x 208-litre drum (175 kg)

A high quality lubricant for rotary compressors, suitable for use in the food industry, where specific quality standards are required.

We recommend replacing the oil according to the interval reported in the handbook / maintenance manual of the compressor or once a year if sooner.
We recommend using our original RotarECOFLUID mineral oils, or RotEnergyPlus and RotEnergyFood synthetic oils (OILS NOT INCLUDED IN LONG LIFE KITS).

FSN
ORIGINAL SPARE PARTS

You can download the Long Life Kit catalogues from www.powersystem.it and see the exploded diagrams and spare parts list online. These are continuously updated for each compressor model.

07/24 - 9990370

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