

MADE IN ITALY



Rotary screw compressors
with direct-drive transmission,
fixed speed, variable speed
and variable speed with
permanent magnet motor.

NOBEL - NOBEL PM

5.5-90 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.

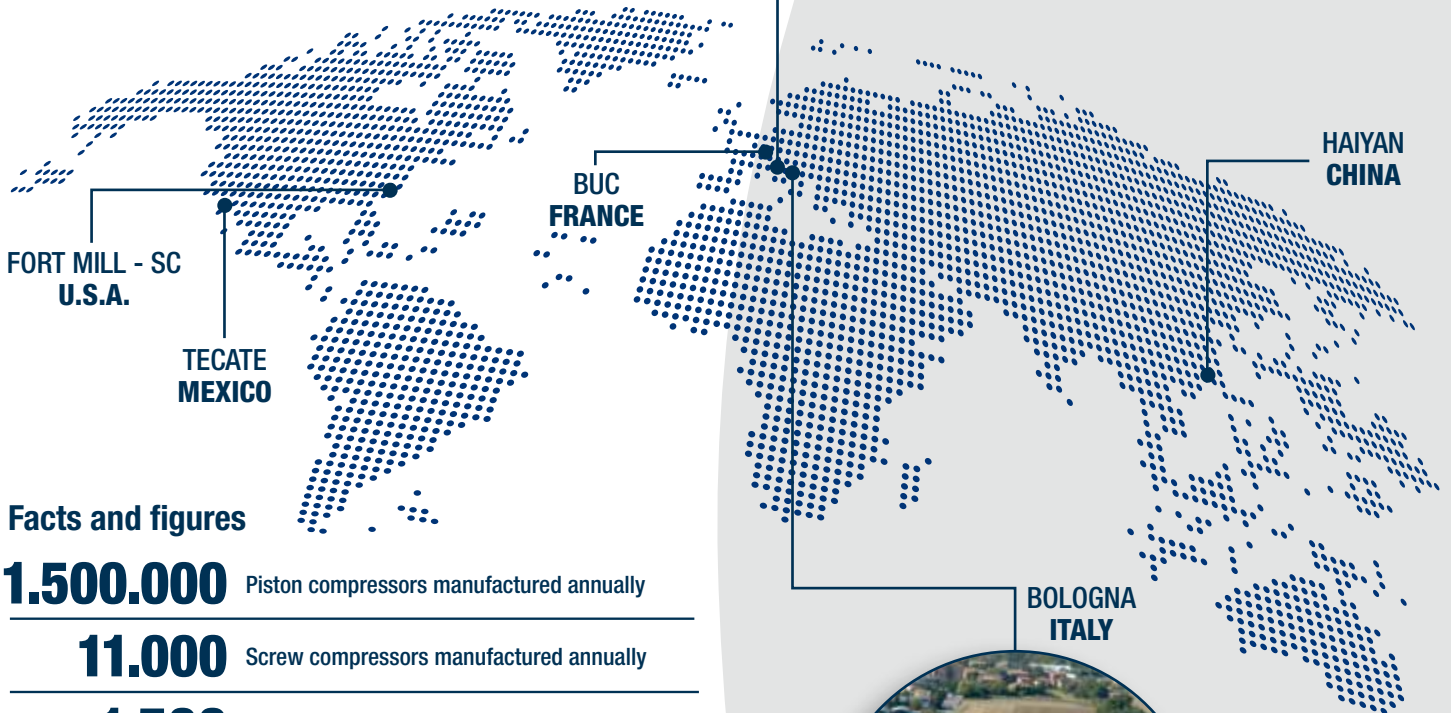
Today, Power System is part of the FNA family and is the Groups brand that represents the pinnacle of our technology, aimed specifically at the Industrial market. Power System is an undisputed leader in the design, development, production and distribution of high-tech solutions for compressing air with 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



BOLOGNA
ITALY

HAIYAN
CHINA

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.



NOBEL 5.5-90 NOBEL PM 18.5-90

With the introduction of the latest PM models to the renowned NOBEL series, Power System is once more redefining the standards in respect to efficiency, reliability and energy savings.

The continuous investment in Research & Development has allowed the further improvement to the acclaimed NOBEL series, already a leading-edge product in the industrial market, by introducing Permanent Magnet Motors (with IE5 "Ultra Premium Efficiency" class). This is integrated with our direct transmission system and optimised controls in the form of the highly advanced Login electronic controller.

These innovative technologies, combined with the application of our latest generation air-ends, has allowed us to build the most advanced, quiet, reliable and efficient compressor available.



NOBEL COMPRESSORS ARE MORE EFFICIENT THAN EVER!



NOBEL 5.5 - 7.5
NOBEL 7.5 DV

NOBEL 11 - 15
NOBEL 11 - 15 DV



NOBEL 18.5 - 22
NOBEL 18.5 - 22 - 24 PM

NOBEL 37
NOBEL 30-37-39-45E PM

A complete range from 5.5 to 90 kW: 6 sizes, more than 100 possible configurations!

Size	Power (kW)	Model	Floor mounted	Floor mounted + dryer and filters (DF)	With air receiver	With air receiver, dryer and filters (DF)	Air-end	Electronic controller	Fixed speed / Electric motor efficiency	Variable speed ** / Electric motor efficiency
1	5.5	NOBEL 5.5	•	–	270 ℓ	270 ℓ	FS26	Login	• / IE3	–
	7.5	NOBEL 7.5	•	•	270-500 ℓ	270-500 ℓ	FS26	Login	• / IE3	DV / IE3
2	11	NOBEL 11	•	•	500 ℓ	500 ℓ	FS50	Login	• / IE3	DV / IE3
	15	NOBEL 15	•	•	500 ℓ	500 ℓ	FS50	Login	• / IE3	DV / IE3
3	18.5	NOBEL 18.5	•	•	–	–	FS100	Login	• / IE4	PM / IE5
	22	NOBEL 22	•	•	–	–	FS100 FS140	Login	• / IE4	PM / IE5
		NOBEL 24	•	•	–	–	FS140	Login	–	PM / IE5
4	30	NOBEL 30	•	•	–	–	FS140	Login	–	PM / IE5
	37	NOBEL 37	•	•	–	–	FS140 FS270	Login	• / IE4	PM / IE5
		NOBEL 39	•	•	–	–	FS270	Login	–	PM / IE5
	45	NOBEL 45E	•	•	–	–	FS270	Login	–	PM / IE5
5	45	NOBEL 45	•	•	–	–	FS270	Login	• / IE4	–
	55	NOBEL 55	•	•	–	–	FS270	Login	• / IE4	PM / IE5
6	75	NOBEL 76	•	–	–	–	FS300	Login	• / IE4	PM / IE5
	90	NOBEL 90	•	–	–	–	FS300	Login	• / IE4	IE5 - PM

** DV = variable speed
** PM = variable speed with permanent magnet motor



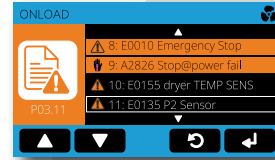
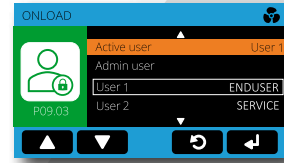
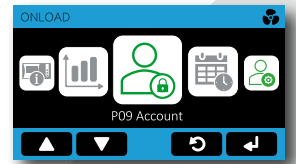
NOBEL 45 - 55
NOBEL 55 PM

NOBEL 76 - 90
NOBEL 76 - 90 PM



Efficiency that is always under control

The 'Login' controller introduces new software capabilities to strengthen diagnostic functions, thereby guaranteeing excellent performance in all conditions. Login provides additional features including remote control and multi-compressor management.



Intelligent control

All of NOBEL's functions are entirely managed by the Login electronic controller, which constantly monitors the compressor status ensuring efficient and reliable operation of the machine in all conditions with customised functions to suit any application.

Always connected

During an irregular event within the machine, Login reports the presence of such and incident by creating an alert for the user, allowing prompt operator intervention. The integrated connectivity with remote monitoring (optional), makes possible to get complete information on the compressor status remotely.

Compressor rotation management

Thanks to the "ISC" system it is possible to simultaneously connect up to 8 different compressors (fixed and/or variable speed combinations), with "master-slave" logic.



Exclusive design

Italian design, functionality, simple to use and with the latest generation technology all come together with the innovative Login controller. The touch-screen display and the icon-based menu make it extremely intuitive and easy to use.



Memory card slot

Login features a memory card slot which can be used to store compressor data and configurations and to transfer them to another control unit.



Multilanguage management

It is possible to select the local language from any of the 20 pre-installed languages.



Remote control

Allows a complete remote monitoring of the compressor.



Multicolour display

All of the operational parameters are displayed on the large 4.3" colour screen which also displays graphs in real time (pressure, power, energy/time).



Designed for Industry 4.0



NOT JUST AIR.

All of the data that you need

SMS 2.0

SMS 2.0 (Service Management System) is the innovative device (optional) to remotely access and perform preventive maintenance checks on any of the screw compressors fitted with a LOGIN controller.

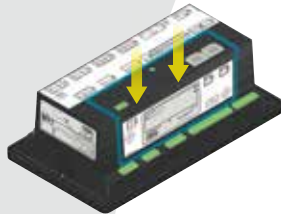
Preventive and targeted maintenance

Through a LAN connection with Ethernet cable, SMS 2.0 allows e-mails to be sent automatically should an irregular event occur (up to 5 settable e-mail addresses).

At the same time, it is possible to monitor the correct operation of the compressor and to check the scheduling for future maintenance interventions.

SMS 2.0 is installed directly on the Login controller, at the rear.

CODE #005560002SGL



Compressor remote control:

- online compressor status control (view of temperature and pressure parameters);
- on/off control;
- view of events and alarms;
- view of remaining hours to maintenance;
- graphic view of analogue signals connected to the controller, in real time;
- no additional software is needed.



NOBEL



Maximum efficiency and energy saving

Significant energy savings are achieved thanks to the IE3 and IE4 efficient electric motors, reaching the "IE5 Ultra Premium Efficiency" class in the NOBEL PM models. The latest generation air-ends ensure greater compressed air flow rates with reduced energy consumption. Direct-drive transmission technology.

Air and oil circuit components are optimised for efficiency. Application of the latest generation inverters.



LOGIN controller

All NOBEL models are equipped with the Login electronic controller with touch-screen display. In addition to full control of all compressor functions, it also stores the data on a specific memory card, so as to manage multiple compressors (up to 8 units, even different types) and for remote control via SMS Device 2.0 that can be matched to the control unit.



Quiet operation

The low speed air-ends and the use of radial cooling fans allow NOBEL products to offer amongst the lowest noise values in their category.

This means a simplified installation allowing the compressor positioning close to the point-of-use.



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

The NOBEL series has been designed to offer maximum performance and highest reliability, in a compact space saving format.



Remote monitoring and preventive maintenance

The optional SMS 2.0 system allows the remote monitoring of the compressor and promptly informs the user or the assistance centre of the machine status, reporting any alarms or the need to perform maintenance operations.



Refrigerated dryer

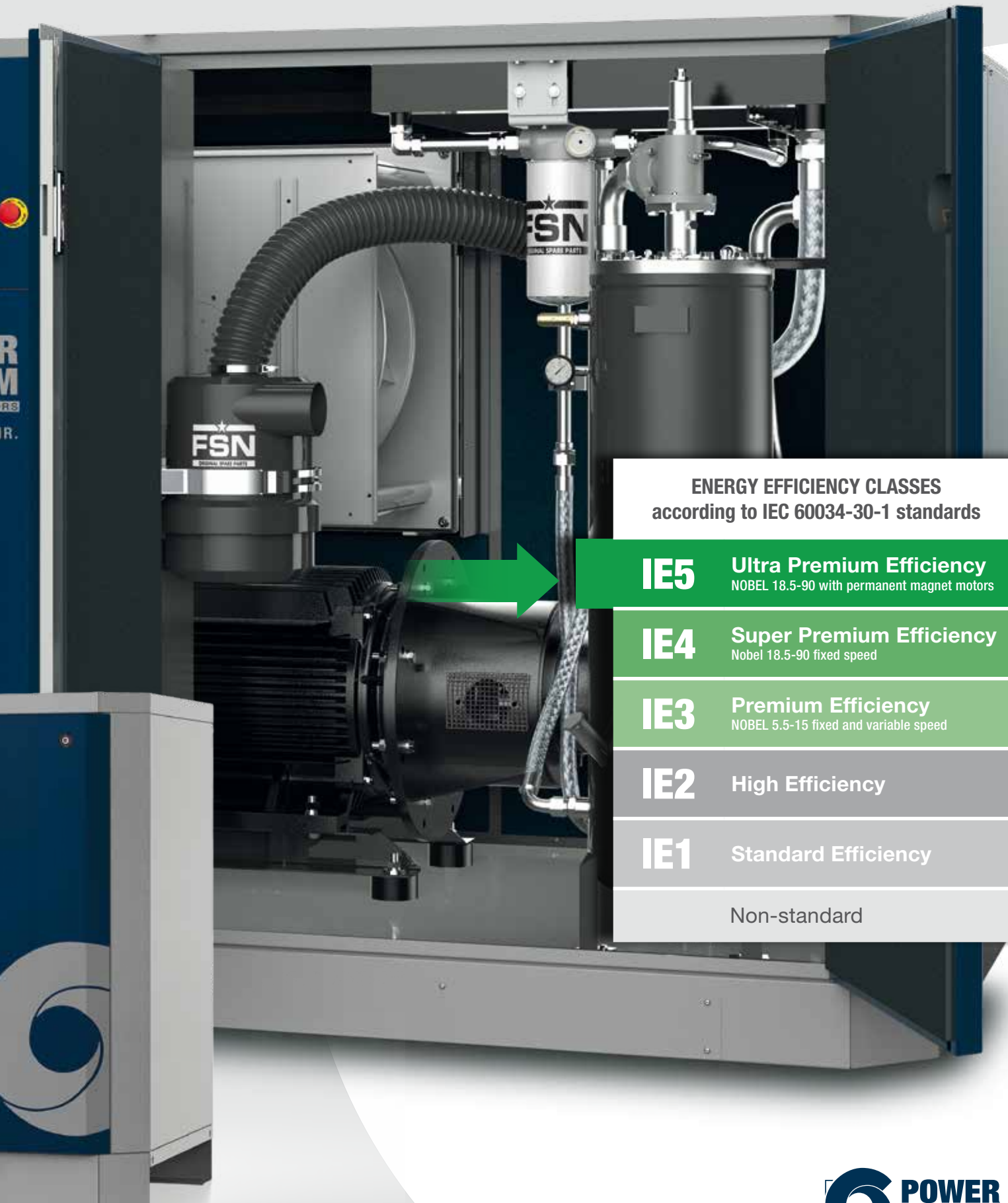
(optional, "DF" versions from 5.5 to 55 kW)

Managed entirely from the Login controller and equipped with integrated inlet and outlet filters, to achieve high quality dry compressed air.



NOT JUST AIR.





ENERGY EFFICIENCY CLASSES
according to IEC 60034-30-1 standards

IE5 Ultra Premium Efficiency
NOBEL 18.5-90 with permanent magnet motors

IE4 Super Premium Efficiency
Nobel 18.5-90 fixed speed

IE3 Premium Efficiency
NOBEL 5.5-15 fixed and variable speed

IE2 High Efficiency

IE1 Standard Efficiency

Non-standard

NOBEL - NOBEL DV 5.5-15

Power System pursues innovative, efficient products and state-of-the-art technical solutions to combine with safety, reliability, energy-saving and low-noise requirements. Our NOBEL range satisfies all these requirements and meets the compressed air needs in all industrial sectors.

A range of compressors featuring excellent performance with a wide choice of configurations: air receiver, dryer, fixed or variable speed. The very low noise operation allows the installation of these machines in any location. The perfect companion for a long working life.

Minimum pressure valve

Designed by Power System to guarantee low pressure losses and reduced energy consumption.

LOGIN controller

Simple and intuitive, powerful and flexible programming.

For remote control and multi-compressor management.

Designed for Industry 4.0.

Inverter

The latest generation inverter drive installed in the NOBEL DV allows a controlled use of energy minimising CO₂ output and lowering energy costs.



"In-house" air-ends

Power System air-ends are entirely designed and produced in our Italian factories and they are extremely reliable and efficient.

Improved air quality

NOBEL DF are equipped with an integrated refrigerated dryer which is fully controlled from the Login controller and also fitted with an inlet filter (3 μm) and a final filter (1 μm) to achieve very high quality compressed air.

Optional 0.01 μm final filters are available separately.



Oil cooler separated from air cooler



Thermostatic valve

Controls the oil flow avoiding sudden temperature changes and prevents the formation of condensate inside the lubrication circuit.

Radial ventilation

Combines the highest cooling efficiency with reduced energy consumption and very low noise levels.

Direct drive transmission

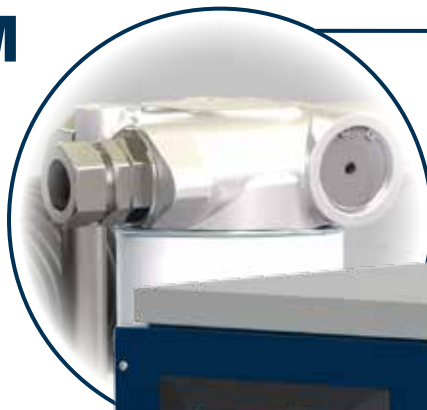
Original Power System 1:1 design offering the highest efficiency and reliability.



Intake regulator

Designed 'in house' by Power System, guaranteeing high efficiency, reduced noise levels and the highest reliability.

NOBEL - NOBEL PM 18.5-90



Thermostatic valve

Controls the oil flow avoiding sudden temperature changes and prevents the formation of condensate inside the lubrication circuit.



Login controller

Simple and intuitive, powerful and flexible programming.
For remote control and multi-compressor management.
Designed for Industry 4.0.

Inverter

In combination with Permanent Magnet Motors, the highest quality inverter ensures the maximum efficiency and energy savings, through the entire speed and load range.

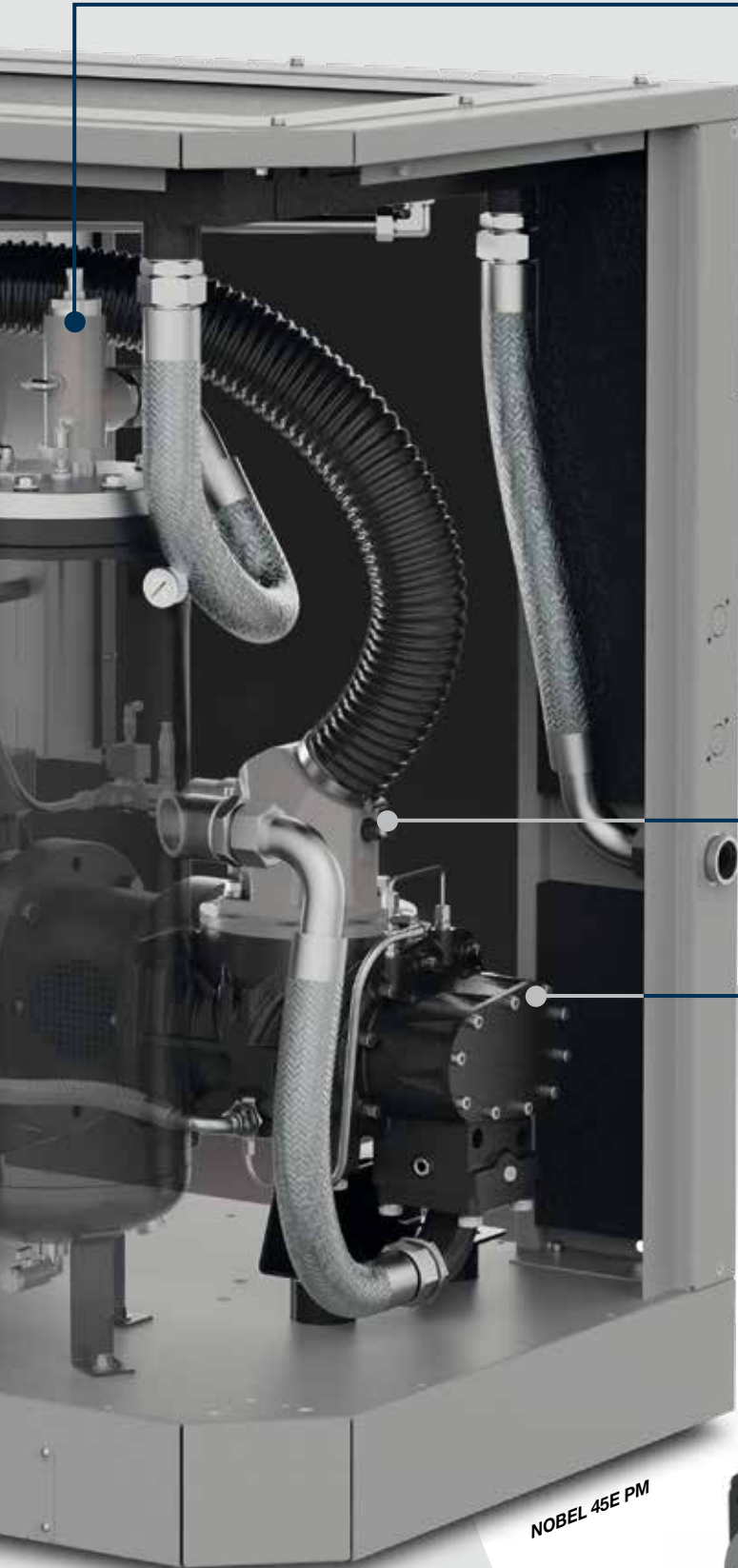


Air filter and oil filter

Easily accessible for easy maintenance.
Single or two stage air filter, depending on the model.
The carefully designed service items allow long operating life, guarantee excellent reliability and reduced maintenance costs.

Minimum pressure valve

Guarantees minimum pressure loss and reduces energy consumption.



Intake regulator

This device guarantees highly efficient operation, lower noise and greater reliability.



Direct transmission, with latest generation air-ends

The motor shaft is coaxial to the male rotor of the air-end: this configuration means less wear on components, therefore less need for maintenance and quieter operation in comparison to belt transmission.

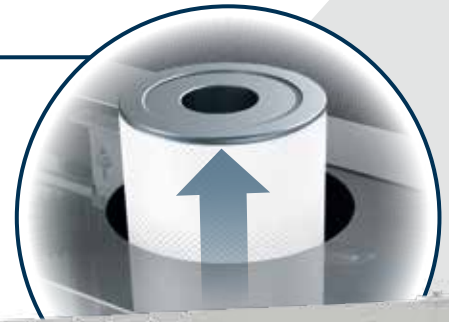
This innovative design, combined with IE5 motors, guarantees superior efficiency and reliability.



NOBEL - NOBEL PM 18.5-90

Oil separator filter

The oil separator filter, easily accessible for scheduled maintenance operations, is spin-on type on NOBEL models up to 37 kW, whilst it is basket-type on 45 kW to 90 kW versions. On 76-90 models the oil separator filter is more removable from the top, thanks to the specific set-up on the compressor roof.

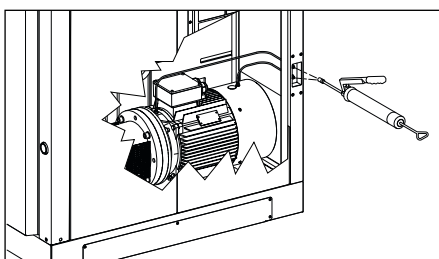
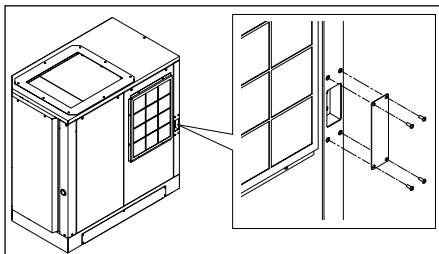


Heat exchangers

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

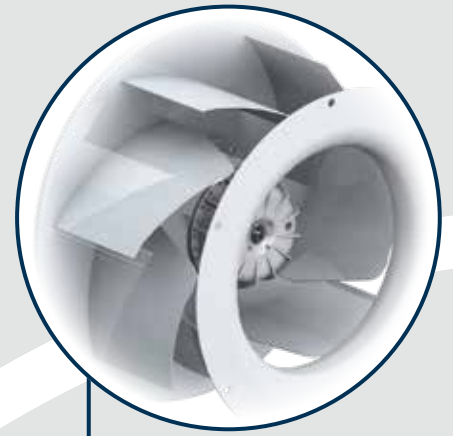
External grease point

Where present, they facilitate routine maintenance operations, maintaining constant lubrication of the electric motor bearings, also with the machine running and without having to access the inside of the compressor.



Easy access

The careful design of the NOBEL allows for easy access to its internal components. The cabinet can be completely opened on all 4 sides. Models 76 and 90 are also equipped with front and rear hinged panels, for opening up to 180°.



Radial ventilation

This combines excellent cooling of the compressor with very quiet operation.



Very high efficiency motors

IE5 "Ultra Premium Efficiency" Permanent Magnet synchronous motors with IP55 protection on all variable speed NOBEL between 18.5 and 90 kW.

The fixed speed versions feature IE4 "Super Premium Efficiency" asynchronous motors.



Monoblock drive housing for air-end-motor connection

Fitted on models from 18.5 to 45 kW, allows quick access for inspection and replacement of the coupling.

NOBEL 90 PM

NOBEL PM 18.5-90 with variable speed and Permanent Magnet synchronous IE5 motor

Why choose an air compressor with Permanent Magnet motor?

The energy costs linked to an air compressors operation during its life cycle represent more than 80% of the total life cycle costs.

For Power System the improved energy efficiency of its products is a key objective.

This objective is achieved with the use of Permanent Magnet motors in IE5 "Super Premium Efficiency" category, along with the employment of our own, latest generation compressor air-ends.

The application of these cutting-edge technologies, provides all users an air compressor with superior energy saving characteristics.

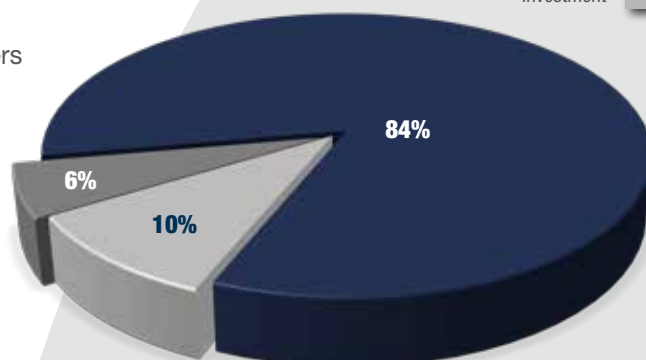
The compressors from this new range offer greater flexibility in the delivery of compressed air. The output flow of compressed air may span a capacity range of between 15% to 100% of the maximum flow rate. This makes possible to greatly reduce unloaded operation, saving significant amounts of energy and minimising component wear, whilst adding greater reliability and longer service life.

Why choose a NOBEL PM?

- Permanent Magnet motor with IE5 efficiency.
- Latest generation air-ends.
- Direct transmission.
- Efficient intake regulator.
- High performing inverter.
- Intuitive touchscreen controller.
- Low noise levels.
- High quality components.
- Minimum maintenance.

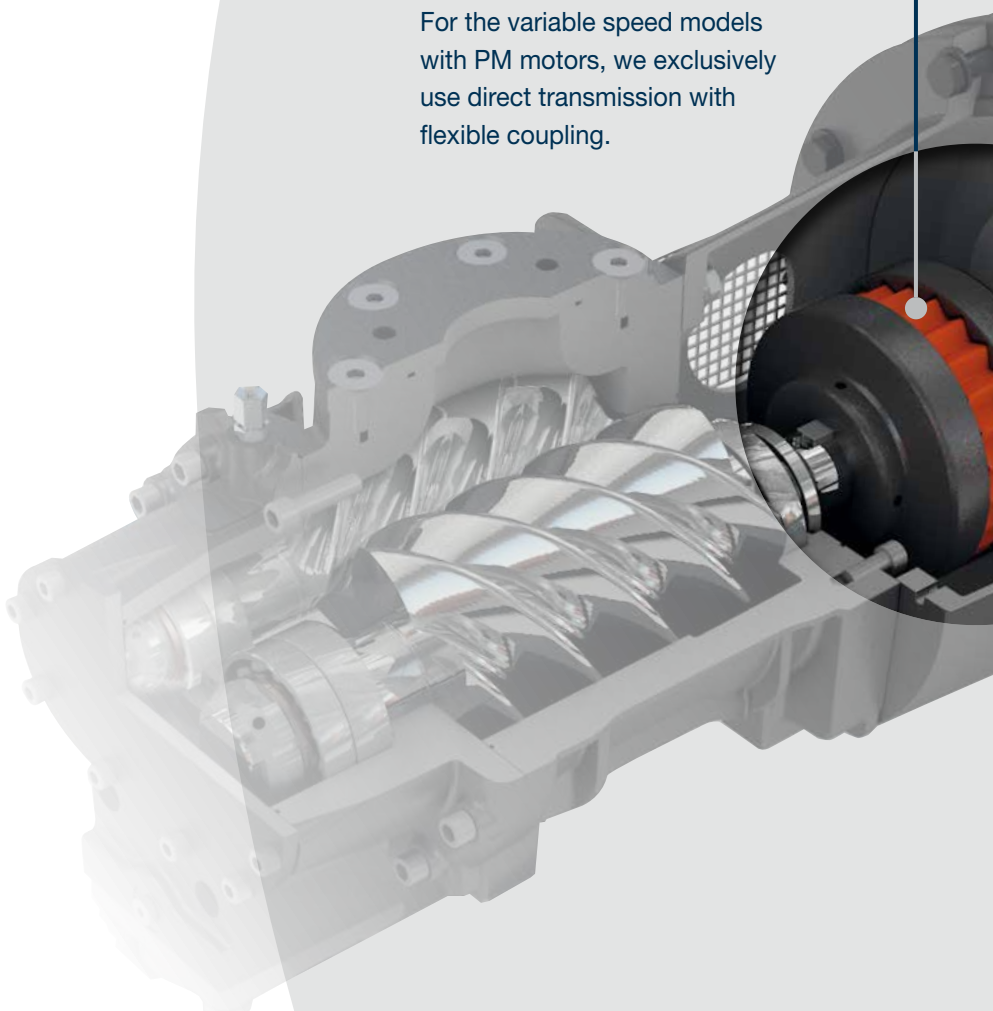


Energy consumption ■
Maintenance ■
Investment ■



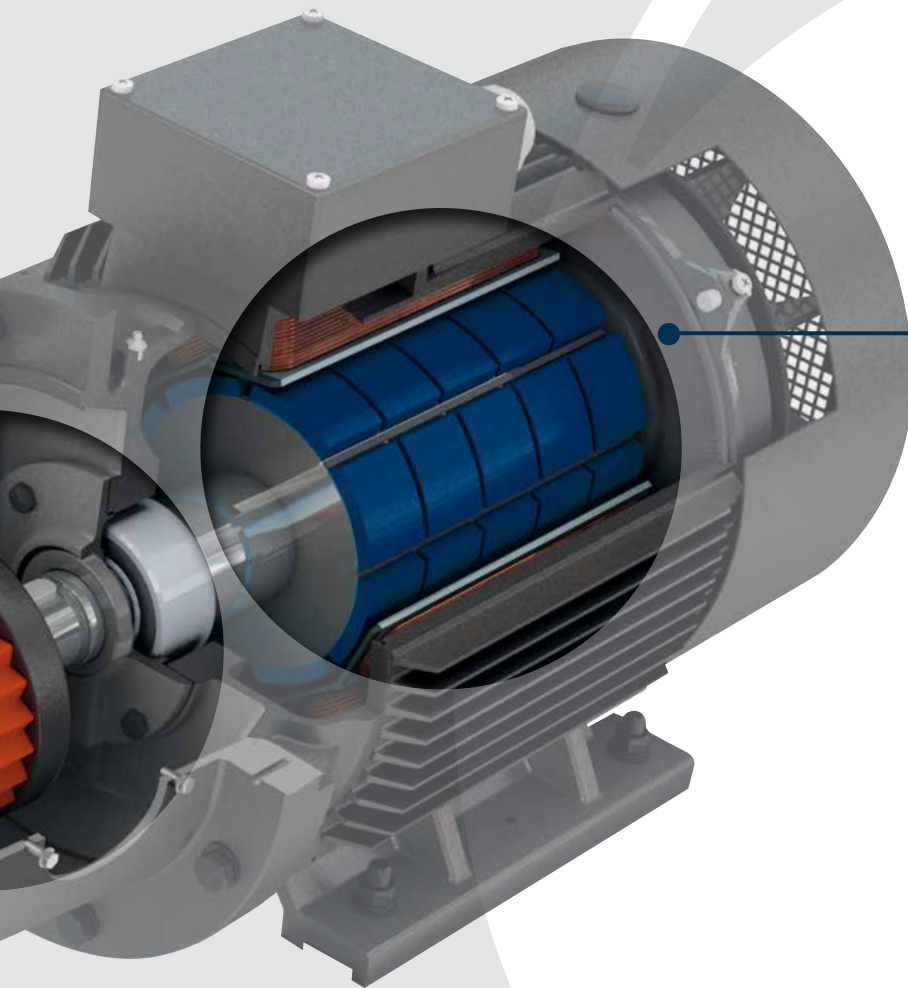
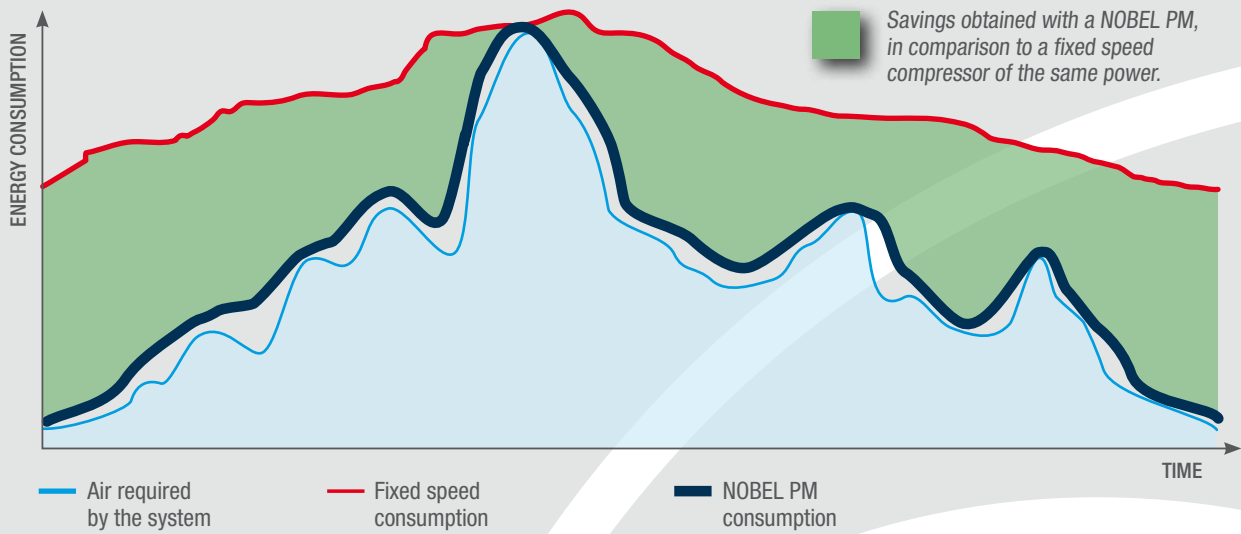
The graph represents the total life cycle costs breakdown of a 37 kW fixed speed compressor, over 5 years of use, considering 4000 working hours per year and an energy cost of about 0.17 €/kWh.

For the variable speed models with PM motors, we exclusively use direct transmission with flexible coupling.



Improved efficiency in all applications of compressed air.

The advanced and extremely compact Permanent Magnet motors, guarantee the highest performance along with a much wider speed/load range when compared to traditional inverter-controlled asynchronous motors. They offer the greatest possible advantages in terms of energy savings. This applies especially when used at partial capacity and load, which is a characteristic seen frequently in modern applications throughout all industrial sectors.



The advantages offered by the NOBEL PM range are considerable:

- The compressed air generated is aligned to the system requirements and is achieved by regulating the speed of the electric motor, which can range from 15% to 100% of the maximum speed.
- Excellent and precise pressure control of the pneumatic system, in a range 6 to 13 bar, depending on the chosen compressor model.
- Accurate and optimised cooling of the compressor is obtained through the use of efficient, powerful and quiet radial fans.
- Proven, highly reliable design.
- Attention to details, to maximise quiet operation and reliability.

More efficient than ever

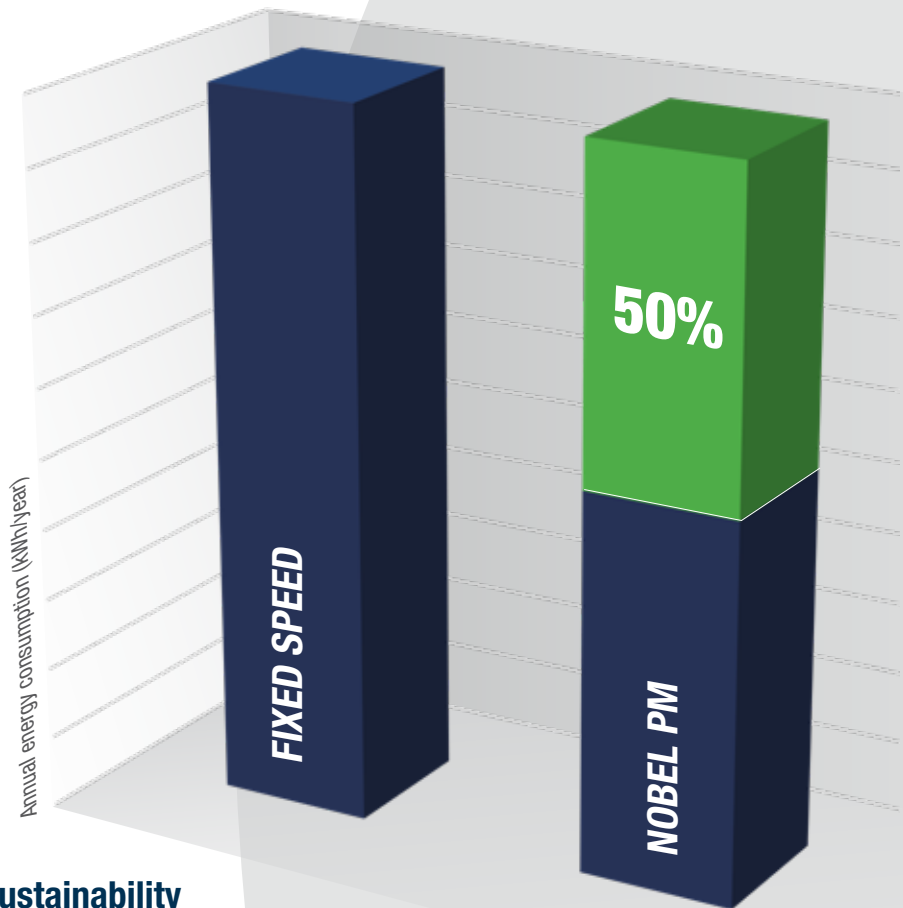
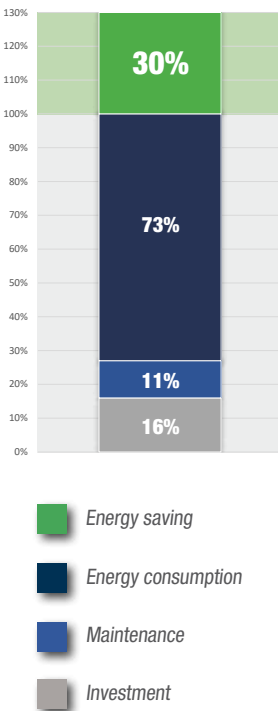
The inverter, installed in the compressor's electrical panel allows for a dynamic regulation of the motors rotational speed. The speed and therefore the output of the compressor can be constantly adjusted according to demand. This also eliminates current surges thanks to the soft start-up and drastically reduces operating cycles avoiding unnecessary no-load operation, avoiding significant energy wastage and reducing energy costs.

Significant energy savings

When compared to the operation of a fixed speed compressor, a NOBEL PM is able to achieve significant energy savings, up to 50%. This represents a reduction of around 30% to the total life cycle costs during 5 years of use.



LIFE CYCLE COST DISTRIBUTION OVER 5 YEARS



Efficiency is synonymous with sustainability

For all companies, environmental sustainability is a most important objective and a focus on the efficiency of all processes is mandatory. Working and living sustainably means preserving our natural resources as much as possible: choosing a NOBEL or NOBEL PM product, reducing energy consumption and CO₂ emissions therefore, represents an ecological and sensible choice.



The calculation shown in the graphs is based on the energy analysis of a 37 kW NOBEL PM, considering 4000 working hours per year and an energy cost of about 0.17 €/kWh.

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.



EA 400

cod. 9062747

ideal for compressors' rooms up to 3 units

- 4 analogue inputs:
 - 3 measuring clamps
 - 1 pressure sensor
- 1 extension for cables (10m long)
- 4.3" colour touch screen display

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).

Furthermore, with "Demo Login" it is possible to simulate compressor operation to provide immediate technical assistance remotely and/or use it as a tool to train maintenance technicians and installers on the full operation of the Login controller.

EA 500

cod. 9062748

ideal for compressors' rooms up to 4 units

- 5 analogue inputs:
 - 4 measuring clamps
 - 1 pressure sensor
- 2 extensions for cables (10m long)
- 7" colour touch screen display

DEMO LOGIN

cod. 8101980

ideal for technical assistance and training

- complete simulation of the functions of a compressor controlled from Login
- 3 potentiometers (pressure, oil temperature values, dryer temperature)
- 7 switches (alarm simulation and remote control)



Save money in your company!

HRS Heat Recovery System

Heat recovery is a real opportunity to increase the effectiveness of a compressed air system: with HRS it is possible to recover the heat generated by screw compressors to generate hot water within the plant itself.

Most of the energy used to produce compressed air is converted into heat, much of it recoverable. About 75% of the energy used in the compression process is in the lubrication system and in the cooling circuit and can be reused as a source of heat.

Therefore, the system can be used to produce compressed air in a reliable way, by also recovering the thermal energy.

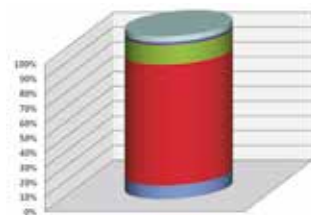
The amount of energy recovery depends on the compressor capacity, and the investment becomes interesting on compressors with installed capacities above 11 kW.



The HRS system can be used on all oil-injected screw compressors.

COMPRESSION HEAT

- 4% Remaining heat in the air
- 2% Losses due to radiation
- 12% Heat removed by the air heat exchanger
- 75% Heat removed by the oil heat exchanger
- 7% Heat released by the electric motor



Compressor model	KRC connection kit for HRS	HEAT RECOVERY SYSTEM		V/Ph/Hz	Max. water flow rate (m³/h)	G	Dimensions	kg
	code	model	code				L x W x H (mm)	
NOBEL 11-15	#260CE0300	HRS 30	#548700000	230/1/50	1.92	3/4"	666 x 236 x 430	24.4
NOBEL 18.5-22-24	#260KI0050	HRS 50	#548720000	230/1/50	4.2	3/4"	666 x 236 x 430	27.5
NOBEL 30-37	#260CT0050	HRS 75	#548730000	230/1/50	6	3/4"	666 x 236 x 430	29.3
NOBEL 39-45E	#260KM0050	HRS 100	#548740000 *	230/1/50	7.8	3/4"	666 x 236 x 430	35.3
NOBEL 45-55	#260GB0050							
NOBEL 76-90	#260MF0050							

* Nobel 76 only

NOBEL 5.5-15 kW

Code	Air receiver	Power		Air outflow rate			Max. pressure		Air-end	Sound level	Air outlet	Net weight	Net Dimensions	Gross weight	Gross dimensions	
	ℓ	kW	HP	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.		dB(A)	G					kg
FIXED SPEED																
5.5 kW																
NOBEL 5.5-10	V60FZ92PWSA87	-	5.5	7	710	0.71	25	10	145	FS26	62	1/2"	170	885x700x850	184	940x770x1030
NOBEL 5.5-10-270	V91FZ92PWSX80	270	5.5	7	710	0.71	25	10	145	FS26	62	1/2"	240	1570x700x1440	283	1760x780x1680
NOBEL 5.5-10-270 DF	V91FZ92PWSY80	270	5.5	7	710	0.71	25	10	145	FS26	62	1/2"	280	1570x700x1440	323	1760x780x1680
7.5 kW																
NOBEL 7.5-10	V60CB92PWSA87	-	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	174	885x700x850	188	940x770x1030
NOBEL 7.5-13	V60CC92PWSA87	-	7.5	10	700	0.70	25	13	189	FS26	62	1/2"	174	885x700x850	188	940x770x1030
NOBEL 7.5-10 DF	V60CB92PWSB87	-	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	214	1235x700x850	234	1290x770x1030
NOBEL 7.5-10-270	V91CB92PWSX80	270	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	242	1570x700x1440	285	1760x780x1680
NOBEL 7.5-10-500	V83CB92PWSX80	500	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	300	2000x730x1520	340	2070x800x1700
NOBEL 7.5-10-270 DF	V91CB92PWSY80	270	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	282	1570x700x1440	325	1760x780x1680
NOBEL 7.5-10-500 DF	V83CB92PWSY80	500	7.5	10	1050	1.05	37	10	145	FS26	62	1/2"	340	2000x730x1520	380	2070x800x1700
11 kW																
NOBEL 11-08	V60CD92PWSA87	-	11	15	1700	1.70	60	8	116	FS50	67	3/4"	266	1100x750x1000	293	1240x850x1190
NOBEL 11-10	V60CE92PWSA87	-	11	15	1600	1.60	57	10	145	FS50	67	3/4"	266	1100x750x1000	293	1240x850x1190
NOBEL 11-13	V60CF92PWSA87	-	11	15	1250	1.25	44	13	189	FS50	67	3/4"	266	1100x750x1000	293	1240x850x1190
NOBEL 11-08 DF	V60CD92PWSB87	-	11	15	1700	1.70	60	8	116	FS50	67	3/4"	319	1450x750x1000	340	1510x810x1180
NOBEL 11-10 DF	V60CE92PWSB87	-	11	15	1600	1.60	57	10	145	FS50	67	3/4"	319	1450x750x1000	340	1510x810x1180
NOBEL 11-13 DF	V60CF92PWSB87	-	11	15	1250	1.25	44	13	189	FS50	67	3/4"	319	1450x750x1000	340	1510x810x1180
NOBEL 11-08-500	V83CD92PWSX80	500	11	15	1700	1.70	60	8	116	FS50	67	3/4"	387	2000x750x1670	428	2070x800x1850
NOBEL 11-10-500	V83CE92PWSX80	500	11	15	1600	1.60	57	10	145	FS50	67	3/4"	387	2000x750x1670	428	2070x800x1850
NOBEL 11-13-500	V83CF92PWSX80	500	11	15	1250	1.25	44	13	189	FS50	67	3/4"	387	2000x750x1670	428	2070x800x1850
NOBEL 11-08-500 DF	V83CD92PWSY80	500	11	15	1700	1.70	60	8	116	FS50	67	3/4"	440	2000x750x1670	481	2070x800x1850
NOBEL 11-10-500 DF	V83CE92PWSY80	500	11	15	1600	1.60	57	10	145	FS50	67	3/4"	440	2000x750x1670	481	2070x800x1850
NOBEL 11-13-500 DF	V83CF92PWSY80	500	11	15	1250	1.25	44	13	189	FS50	67	3/4"	471	2000x750x1670	512	2070x800x1850
15 kW																
NOBEL 15-10	V60CH92PWSA87	-	15	20	2100	2.10	74	10	145	FS50	67	3/4"	282	1100x750x1000	309	1240x850x1190
NOBEL 15-13	V60CL92PWSA87	-	15	20	1550	1.55	55	13	189	FS50	67	3/4"	282	1100x750x1000	309	1240x850x1190
NOBEL 15-10 DF	V60CH92PWSB87	-	15	20	2100	2.10	74	10	145	FS50	67	3/4"	335	1450x750x1000	356	1510x810x1180
NOBEL 15-13 DF	V60CL92PWSB87	-	15	20	1550	1.55	55	13	189	FS50	67	3/4"	335	1450x750x1000	356	1510x810x1180
NOBEL 15-10-500	V83CH92PWSX80	500	15	20	2100	2.10	74	10	145	FS50	67	3/4"	407	2000x750x1670	448	2070x800x1850
NOBEL 15-13-500	V83CL92PWSX80	500	15	20	1550	1.55	55	13	189	FS50	67	3/4"	438	2000x750x1670	479	2070x800x1850
NOBEL 15-10-500 DF	V83CH92PWSY80	500	15	20	2100	2.10	74	10	145	FS50	67	3/4"	460	2000x750x1670	501	2070x800x1850
NOBEL 15-13-500 DF	V83CL92PWSY80	500	15	20	1550	1.55	55	13	189	FS50	67	3/4"	491	2000x750x1670	532	2070x800x1850

DF = with refrigerated dryer with 3 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: 8 bar for "08" models -
10 bar for "10" models - 13 bar for "13" models.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 2151, with a tolerance of ±3 dB(A).

TECHNICAL DATA

NOBEL DV 7.5-15 kW

Code	Air receiver	Power		Air outflow rate (MIN. - MAX.)			Max. pressure		Air-end	Sound level	Air outlet	Net weight	Net Dimensions	Gross weight	Gross dimensions
	ℓ	kW	HP	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.							

VARIABLE SPEED																
7.5 kW																
NOBEL 7.5-08 DV	V60CA97PWSA87	-	7.5	10	600-1300	0.60-1.30	21-46	8	116	FS26	63	1/2"	182	885x700x850	196	940x770x1030
NOBEL 7.5-10 DV	V60CB97PWSA87	-	7.5	10	500-1100	0.50-1.10	18-39	10	145	FS26	63	1/2"	182	885x700x850	196	940x770x1030
NOBEL 7.5-13 DV	V60CC97PWSA87	-	7.5	10	207-621	0.20-0.60	7-24	13	189	FS26	63	1/2"	182	885x700x850	196	940x770x1030
NOBEL 7.5-08 DV-DF	V60CA97PWSB87	-	7.5	10	600-1300	0.60-1.30	21-46	8	116	FS26	63	1/2"	222	1235x700x850	242	1290x770x1030
NOBEL 7.5-10 DV-DF	V60CB97PWSB87	-	7.5	10	500-1100	0.50-1.10	18-39	10	145	FS26	63	1/2"	222	1235x700x850	242	1290x770x1030
NOBEL 7.5-13 DV-DF	V60CC97PWSB87	-	7.5	10	207-621	0.20-0.60	7-24	13	189	FS26	63	1/2"	222	1235x700x850	242	1290x770x1030
NOBEL 7.5-08-270 DV	V91CA97PWSX80	270	7.5	10	600-1300	0.60-1.30	21-46	8	116	FS26	63	1/2"	250	1570x700x1440	293	1760x780x1680
NOBEL 7.5-10-270 DV	V91CB97PWSX80	270	7.5	10	500-1100	0.50-1.10	18-39	10	145	FS26	63	1/2"	250	1570x700x1440	293	1760x780x1680
NOBEL 7.5-13-270 DV	V91CC97PWSX80	270	7.5	10	207-621	0.20-0.60	7-24	13	189	FS26	63	1/2"	250	1570x700x1440	293	1760x780x1680
NOBEL 7.5-08-270 DV-DF	V91CA97PWSY80	270	7.5	10	600-1300	0.60-1.30	21-46	8	116	FS26	63	1/2"	290	1570x700x1440	333	1760x780x1680
NOBEL 7.5-10-270 DV-DF	V91CB97PWSY80	270	7.5	10	500-1100	0.50-1.10	18-39	10	145	FS26	63	1/2"	290	1570x700x1440	333	1760x780x1680
NOBEL 7.5-13-270 DV-DF	V91CC97PWSY80	270	7.5	10	207-621	0.20-0.60	7-24	13	189	FS26	63	1/2"	290	1570x700x1440	333	1760x780x1680
11 kW																
NOBEL 11-08 DV	V60CD97PWSA87	-	11	15	680-1700	0.68-1.70	24-60	8	116	FS50	67	3/4"	274	1100x750x1000	301	1240x850x1190
NOBEL 11-10 DV	V60CE97PWSA87	-	11	15	620-1580	0.62-1.58	22-56	10	145	FS50	67	3/4"	274	1100x750x1000	301	1240x850x1190
NOBEL 11-13 DV	V60CF97PWSA87	-	11	15	373-1250	0.37-1.25	13-44	13	189	FS50	67	3/4"	274	1100x750x1000	301	1240x850x1190
NOBEL 11-08 DV-DF	V60CD97PWSB87	-	11	15	680-1700	0.68-1.70	24-60	8	116	FS50	67	3/4"	327	1450x750x1000	348	1510x810x1180
NOBEL 11-10 DV-DF	V60CE97PWSB87	-	11	15	620-1580	0.62-1.58	22-56	10	145	FS50	67	3/4"	327	1450x750x1000	348	1510x810x1180
NOBEL 11-13 DV-DF	V60CF97PWSB87	-	11	15	373-1250	0.37-1.25	13-44	13	189	FS50	67	3/4"	327	1450x750x1000	348	1510x810x1180
NOBEL 11-08-500 DV	V83CD97PWSX80	500	11	15	680-1700	0.68-1.70	24-60	8	116	FS50	67	3/4"	395	2000x750x1670	436	2070x800x1850
NOBEL 11-10-500 DV	V83CE97PWSX80	500	11	15	620-1580	0.62-1.58	22-56	10	145	FS50	67	3/4"	395	2000x750x1670	436	2070x800x1850
NOBEL 11-13-500 DV	V83CF97PWSX80	500	11	15	373-1250	0.37-1.25	13-44	13	189	FS50	67	3/4"	395	2000x750x1670	436	2070x800x1850
NOBEL 11-08-500 DV-DF	V83CD97PWSY80	500	11	15	680-1700	0.68-1.70	24-60	8	116	FS50	67	3/4"	448	2000x750x1670	489	2070x800x1850
NOBEL 11-10-500 DV-DF	V83CE97PWSY80	500	11	15	620-1580	0.62-1.58	22-56	10	145	FS50	67	3/4"	448	2000x750x1670	489	2070x800x1850
NOBEL 11-13-500 DV-DF	V83CF97PWSY80	500	11	15	373-1250	0.37-1.25	13-44	13	189	FS50	67	3/4"	448	2000x750x1670	489	2070x800x1850
15 kW																
NOBEL 15-08 DV	V60CG97PWSA87	-	15	20	950-2500	0.95-2.50	34-88	8	116	FS50	68	3/4"	297	1100x750x1000	324	1240x850x1190
NOBEL 15-10 DV	V60CH97PWSA87	-	15	20	840-2100	0.84-2.10	30-74	10	145	FS50	68	3/4"	297	1100x750x1000	324	1240x850x1190
NOBEL 15-13 DV	V60CL97PWSA87	-	15	20	585-1600	0.59-1.60	21-57	13	189	FS50	68	3/4"	297	1100x750x1000	324	1240x850x1190
NOBEL 15-08 DV-DF	V60CG97PWSB87	-	15	20	950-2500	0.95-2.50	34-88	8	116	FS50	68	3/4"	350	1450x750x1000	371	1510x810x1180
NOBEL 15-10 DV-DF	V60CH97PWSB87	-	15	20	840-2100	0.84-2.10	30-74	10	145	FS50	68	3/4"	350	1450x750x1000	371	1510x810x1180
NOBEL 15-13 DV-DF	V60CL97PWSB87	-	15	20	585-1600	0.59-1.60	21-57	13	189	FS50	68	3/4"	350	1450x750x1000	371	1510x810x1180
NOBEL 15-08-500 DV	V83CG97PWSX80	500	15	20	950-2500	0.95-2.50	34-88	8	116	FS50	68	3/4"	422	2000x750x1670	463	2070x800x1850
NOBEL 15-10-500 DV	V83CH97PWSX80	500	15	20	840-2100	0.84-2.10	30-74	10	145	FS50	68	3/4"	422	2000x750x1670	463	2070x800x1850
NOBEL 15-13-500 DV	V83CL97PWSX80	500	15	20	585-1600	0.59-1.60	21-57	13	189	FS50	68	3/4"	422	2000x750x1670	463	2070x800x1850
NOBEL 15-08-500 DV-DF	V83CG97PWSY80	500	15	20	950-2500	0.95-2.50	34-88	8	116	FS50	68	3/4"	475	2000x750x1670	516	2070x800x1850
NOBEL 15-10-500 DV-DF	V83CH97PWSY80	500	15	20	840-2100	0.84-2.10	30-74	10	145	FS50	68	3/4"	475	2000x750x1670	516	2070x800x1850
NOBEL 15-13-500 DV-DF	V83CL97PWSY80	500	15	20	585-1600	0.59-1.60	21-57	13	189	FS50	68	3/4"	475	2000x750x1670	516	2070x800x1850

DV = variable speed.

DV-DF = variable speed with refrigerated dryer with 3 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:

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).



NOT JUST AIR.

TECHNICAL DATA

NOBEL 18.5-90 kW

Code		Power		Air outflow rate			Max. pressure		Air-end	Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
		kW	HP	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.							
FIXED SPEED															
18.5 kW															
NOBEL 18.5-10	V60GM92PWSA87	18.5	25	2600	2.60	92	10	145	FS100	62	1"1/4	587	1370x880x1360	657	1530x1000x1590
NOBEL 18.5-10 DF	V60GM92PWSB87	18.5	25	2600	2.60	92	10	145	FS100	62	1"1/4	647	1720x880x1360	737	1860x1000x1640
22 kW															
NOBEL 22-08	V60GP92PWSA87	22	30	3600	3.60	127	7.5	109	FS140	60	1"1/4	747	1370x880x1360	817	1530x1000x1590
NOBEL 22-13	V60GR92PWSA87	22	30	2600	2.60	92	13	189	FS100	62	1"1/4	622	1370x880x1360	692	1530x1000x1590
NOBEL 22-08 DF	V60GP92PWSB87	22	30	3600	3.60	127	7.5	109	FS140	60	1"1/4	817	1720x880x1360	891	1860x1000x1640
NOBEL 22-13 DF	V60GR92PWSB87	22	30	2600	2.60	92	13	189	FS100	62	1"1/4	692	1720x880x1360	766	1860x1000x1640
37 kW															
NOBEL 37-08	V60CT92PWSA87	37	50	6600	6.60	233	7.5	109	FS270	70	1"1/2	990	1620x1030x1560	1075	1800x1200x1810
NOBEL 37-08 DF	V60CT92PWSB87	37	50	6600	6.60	233	7.5	109	FS270	70	1"1/2	1078	1960x1030x1560	1170	2130x1200x1810
45 kW															
NOBEL 45-10	V60GB92PWSA87	45	60	6700	6.70	237	10	145	FS270	72	2"	1151	1730x1270x1700	1262	1920x1420x1960
NOBEL 45-10 DF	V60GB92PWSB87	45	60	6700	6.70	237	10	145	FS270	72	2"	1277	2260x1270x1700	1409	2420x1420x1960
55 kW															
NOBEL 55-13	V60GF92PWSA87	55	75	6500	6.50	230	13	189	FS270	72	2"	1256	1730x1270x1700	1367	1920x1420x1960
NOBEL 55-13 DF	V60GF92PWSB87	55	75	6500	6.50	230	13	189	FS270	72	2"	1382	2260x1270x1700	1514	2420x1420x1960
75 kW															
NOBEL 76-08	V60MJ92PWSA87	75	100	13500	13.50	477	7.5	109	FS300	67	2"	2880	2330x1460x1980	3078	2560x1660x2230
NOBEL 76-10	V60MB92PWSA87	75	100	11700	11.70	413	10	145	FS300	67	2"	2880	2330x1460x1980	3078	2560x1660x2230
NOBEL 76-13	V60MD92PWSA87	75	100	9700	9.70	343	13	189	FS300	67	2"	2880	2330x1460x1980	3078	2560x1660x2230
90 kW															
NOBEL 90-08	V60MR92PWSA87	90	125	15900	15.90	562	7.5	109	FS300	67	2"	2927	2330x1460x1980	3125	2560x1660x2230
NOBEL 90-10	V60MF92PWSA87	90	125	13400	13.40	473	10	145	FS300	67	2"	2927	2330x1460x1980	3125	2560x1660x2230
NOBEL 90-13	V60MS92PWSA87	90	125	10400	10.40	367	13	189	FS300	67	2"	2927	2330x1460x1980	3125	2560x1660x2230

DF = fixed speed model with refrigerated dryer with 3 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:
 7.5 bar for 7.5 bar models - 10 bar for 10 bar models - 13 bar for 13 bar 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).

NOBEL PM 18.5-30 kW

Code	Power		Air outflow rate (min. - max.)			Max. pressure		Air-end	Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
	kW	HP	l/min.	m ³ /min.	c.f.m.	bar	p.s.i.							

VARIABLE SPEED WITH PERMANENT MAGNET MOTOR

18.5 kW

NOBEL 18.5-08 PM	V60GL97PWSG87	18.5	25	630-3500	0.63-3.50	22-124	8	116	FS100	63	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 18.5-10 PM	V60GM97PWSG87	18.5	25	633-3050	0.63-3.05	22-108	10	145	FS100	63	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 18.5-13 PM	V60GN97PWSG87	18.5	25	583-2500	0.58-2.50	21-88	13	189	FS100	63	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 18.5-08 PM-DF	V60GL97PWSH87	18.5	25	630-3500	0.63-3.50	22-124	8	116	FS100	63	1"1/4	595	1720x880x1360	685	1860x1000x1640
NOBEL 18.5-10 PM-DF	V60GM97PWSH87	18.5	25	633-3050	0.63-3.05	22-108	10	145	FS100	63	1"1/4	595	1720x880x1360	685	1860x1000x1640
NOBEL 18.5-13 PM-DF	V60GN97PWSH87	18.5	25	583-2500	0.58-2.50	21-88	13	189	FS100	63	1"1/4	595	1720x880x1360	685	1860x1000x1640

22 kW

NOBEL 22-08 PM	V60GP97PWSA87	22	30	560-3800	0.56-3.80	20-134	8	116	FS100	61	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 22-10 PM	V60GQ97PWSA87	22	30	572-3300	0.57-3.30	20-117	10	145	FS100	63	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 22-13 PM	V60GR97PWSA87	22	30	533-2700	0.53-2.70	19-95	13	189	FS100	63	1"1/4	535	1370x880x1360	605	1530x1000x1590
NOBEL 22-08 PM-DF	V60GP97PWSB87	22	30	560-3800	0.56-3.80	20-134	8	116	FS100	61	1"1/4	595	1720x880x1360	685	1860x1000x1640
NOBEL 22-10 PM-DF	V60GQ97PWSB87	22	30	572-3300	0.57-3.30	20-117	10	145	FS100	63	1"1/4	595	1720x880x1360	685	1860x1000x1640
NOBEL 22-13 PM-DF	V60GR97PWSB87	22	30	533-2700	0.53-2.70	19-95	13	189	FS100	63	1"1/4	595	1720x880x1360	685	1860x1000x1640
NOBEL 24-08 PM	V60KI97PWSA87	22	30	810-4500	0.81-4.50	29-159	8	116	FS140	61	1"1/4	650	1370x880x1360	720	1530x1000x1590
NOBEL 24-10 PM	V60KJ97PWSA87	22	30	790-3750	0.79-3.75	28-132	10	145	FS140	63	1"1/4	650	1370x880x1360	720	1530x1000x1590
NOBEL 24-13 PM	V60KK97PWSA87	22	30	775-3300	0.78-3.30	27-117	13	189	FS140	63	1"1/4	650	1370x880x1360	720	1530x1000x1590
NOBEL 24-08 PM-DF	V60KI97PWSB87	22	30	810-4500	0.81-4.50	29-159	8	116	FS140	61	1"1/4	710	1720x880x1360	785	1860x1000x1640
NOBEL 24-10 PM-DF	V60KJ97PWSB87	22	30	790-3750	0.79-3.75	28-132	10	145	FS140	63	1"1/4	710	1720x880x1360	785	1860x1000x1640
NOBEL 24-13 PM-DF	V60KK97PWSB87	22	30	775-3300	0.78-3.30	27-117	13	189	FS140	63	1"1/4	710	1720x880x1360	785	1860x1000x1640

30 kW

NOBEL 30-08 PM	V60CM97PWSG87	30	40	845-5500	0.85-5.50	30-194	8	116	FS140	68	1"1/2	868	1620x1030x1560	943	1800x1200x1810
NOBEL 30-10 PM	V60CP97PWSG87	30	40	850-5050	0.85-5.05	30-178	10	145	FS140	68	1"1/2	868	1620x1030x1560	943	1800x1200x1810
NOBEL 30-13 PM	V60CQ97PWSG87	30	40	900-4500	0.90-4.50	32-159	13	189	FS140	68	1"1/2	868	1620x1030x1560	943	1800x1200x1810
NOBEL 30-08 PM-DF	V60CM97PWSH87	30	40	845-5500	0.85-5.50	30-194	8	116	FS140	68	1"1/2	948	1960x1030x1560	1038	2130x1200x1810
NOBEL 30-10 PM-DF	V60CP97PWSH87	30	40	850-5050	0.85-5.05	30-178	10	145	FS140	68	1"1/2	948	1960x1030x1560	1038	2130x1200x1810
NOBEL 30-13 PM-DF	V60CQ97PWSH87	30	40	900-4500	0.90-4.50	32-159	13	189	FS140	68	1"1/2	948	1960x1030x1560	1038	2130x1200x1810

PM = variable speed, with permanent magnet motors.

PM-DF = variable speed, with permanent magnet motor and refrigerated dryer with 3 micron input filter, 1 micron output 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:

7.5 bar for 8 bar models - 9.5 bar for 10 bar models - 12.5 bar for 13 bar 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).

NOBEL PM
37-90 kW

Code	Power		Air outflow rate (min. - max.)			Max pressure		Air-end	Sound level	Air outlet	Net weight	Net dimensions	Gross weight	Gross dimensions
	kW	HP	l/min.	m³/min.	c.f.m.	bar	p.s.i.							

VARIABLE SPEED WITH PERMANENT MAGNET MOTOR

37 kW *

NOBEL 37-08 PM	V60CT97PWSA87	37	50	1350-6900	1.35-6.90	48-244	8	116	FS270	70	1"1/2	923	1620x1030x1560	943	1800x1200x1810
NOBEL 37-10 PM	V60CU97PWSA87	37	50	950-5500	0.95-5.50	34-194	10	145	FS140	70	1"1/2	868	1620x1030x1560	943	1800x1200x1810
NOBEL 37-13 PM	V60CV97PWSA87	37	50	900-5100	0.90-5.10	32-180	13	189	FS140	68	1"1/2	868	1620x1030x1560	943	1800x1200x1810
NOBEL 37-08 PM-DF	V60CT97PWSB87	37	50	1350-6900	1.35-6.90	48-244	8	116	FS270	70	1"1/2	1003	1960x1030x1560	1078	2130x1200x1810
NOBEL 37-10 PM-DF	V60CU97PWSB87	37	50	950-5500	0.95-5.50	34-194	10	145	FS140	70	1"1/2	948	1960x1030x1560	1023	2130x1200x1810
NOBEL 37-13 PM-DF	V60CV97PWSB87	37	50	900-5100	0.90-5.10	32-180	13	189	FS140	68	1"1/2	948	1960x1030x1560	1023	2130x1200x1810
NOBEL 39-08 PM	V60LA97PWSA87	37	50	1570-7255	1.57-7.26	55-256	8	116	FS270	70	1"1/2	928	1620x1030x1560	1003	1800x1200x1810
NOBEL 39-10 PM	V60LB97PWSA87	37	50	1570-6335	1.57-6.34	55-224	10	145	FS270	70	1"1/2	928	1620x1030x1560	1003	1800x1200x1810
NOBEL 39-08 PM-DF	V60LA97PWSB87	37	50	1570-7255	1.57-7.26	55-256	8	116	FS270	70	1"1/2	1054	2135x1020x1560	1166	2280x1200x1810
NOBEL 39-10 PM-DF	V60LB97PWSB87	37	50	1570-6335	1.57-6.34	55-224	10	145	FS270	70	1"1/2	1054	2135x1020x1560	1166	2280x1200x1810

45 kW *

NOBEL 45E-08 PM	V60KM97PWSA87	45	60	1570-8800	1.57-8.80	55-311	8	116	FS270	72	1"1/2	928	1620x1030x1560	1003	1800x1200x1810
NOBEL 45E-10 PM	V60KN97PWSA87	45	60	1570-7350	1.57-7.35	55-260	10	145	FS270	72	1"1/2	928	1620x1030x1560	1003	1800x1200x1810
NOBEL 45E-08 PM-DF	V60KM97PWSB87	45	60	1570-8800	1.57-8.80	55-311	8	116	FS270	72	1"1/2	1054	2135x1020x1560	1166	2280x1200x1810
NOBEL 45E-10 PM-DF	V60KN97PWSB87	45	60	1570-7350	1.57-7.35	55-260	10	145	FS270	72	1"1/2	1054	2135x1020x1560	1166	2280x1200x1810

55 kW

NOBEL 55-08 PM	V60GD97PWSA87	55	75	1800-10100	1.80-10.10	64-357	8	116	FS270	72	2"	1110	1730x1270x1700	1225	1920x1420x1960
NOBEL 55-10 PM	V60GE97PWSA87	55	75	1790-8400	1.79-8.40	63-297	10	145	FS270	72	2"	1110	1730x1270x1700	1225	1920x1420x1960
NOBEL 55-13 PM	V60GF97PWSA87	55	75	1750-7400	1.75-7.40	62-261	13	189	FS270	72	2"	1110	1730x1270x1700	1225	1920x1420x1960
NOBEL 55-08 PM-DF	V60GD97PWSB87	55	75	1800-10100	1.80-10.10	64-357	8	116	FS270	72	2"	1236	2260x1270x1700	1351	2420x1420x1960
NOBEL 55-10 PM-DF	V60GE97PWSB87	55	75	1790-8400	1.79-8.40	63-297	10	145	FS270	72	2"	1236	2260x1270x1700	1351	2420x1420x1960
NOBEL 55-13 PM-DF	V60GF97PWSB87	55	75	1750-7400	1.75-7.40	62-261	13	189	FS270	72	2"	1236	2260x1270x1700	1351	2420x1420x1960

75 kW

NOBEL 76-08 PM	V60MJ97PWSG87	75	100	2770-13700	2.77-13.70	98-484	8	116	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230
NOBEL 76-10 PM	V60MB97PWSG87	75	100	2490-12430	2.49-12.43	88-439	10	145	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230
NOBEL 76-13 PM	V60MD97PWSG87	75	100	2410-11050	2.41-11.05	85-390	13	189	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230

90 kW

NOBEL 90-08 PM	V60MR97PWSA87	90	125	2770-15900	2.77-15.90	98-562	8	116	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230
NOBEL 90-10 PM	V60MF97PWSA87	90	125	2490-13400	2.49-13.40	88-473	10	145	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230
NOBEL 90-13 PM	V60MS97PWSA87	90	125	2410-12100	2.41-12.10	85-427	13	189	FS300	67	2"	2815	2330x1460x1980	3015	2560x1660x2230

PM = variable speed, with permanent magnet motors.

PM-DF = variable speed, with permanent magnet motor and refrigerated dryer with 3 micron input filter, 1 micron output 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:

7.5 bar for 8 bar models - 9.5 bar for 10 bar models - 12.5 bar for 13 bar 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).

** NOBEL 39 and NOBEL 45E at 13 bar available on demand.*

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.



...and specific lubricants:

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.

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.

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 ARE 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.

FNA S.p.A. Via Einaudi, 6
10070 Robassomero Torino ITALY
T: +39 011 92 33 000 F: +39 011 92 41 138

BOLOGNA PLANT:
Via Toscana, 21 40069 Zola Predosa Bologna ITALY
T: +39 051 61 68 111 F: +39 051 75 24 08
info@fnacompressors.com
www.fnacompressors.com



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