

مركز البراغي والعدد  
BTGO  
BOLTS & TOOLS CENTER



COMPRESORES  
**JOSVAL**

Desde 1.958



*Creative Spirit*  
**2016**

**CATALOGUE**

Ed. 01-16



In 1958, before the huge growth experienced by the transport sector and as a result of working with the repair of brakes, JOSVAL was born. An initiative from two resourceful people with a strong commitment for servicing and quality, culminated in an air compressors manufacturing factory.

Nowadays, Service, Technology and Quality keep remaining our company guidelines. We manufacture in a different way, innovating and constantly adapting to the times and needs.

From our beginnings, we care of every piece for getting the maximum quality, because we know that compressed air is essential for many business processes.





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# PISTON

## compressors

Piston compressors now represent nearly 80% of the overall sales in the world. JOSVAL piston compressors have become an indispensable tool for those of our customers who appreciate its easy installation, its management and in particular its reliability and low maintenance.

Over the years when customers need to expand, they repeatedly turn to JOSVAL.



BOLTSANDTOOLS



MOTOR DRIVEN compressors

CIERZO series

CLASSIC series

BASE PLATES

HEADS

# CIERZO

series

This range of air compressors covers both hobby and semi-professional needs. They are designed and developed to achieve the best quality-price ratio on the market. These are simple to use, with a low noise level and a great production of air, while operating at very low rpms that prolong the life of each machine.

## Features

- Cast iron CYLINDER that extends its useful life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability.
- REED VALVES with multiple steps of air that provide a greater flow.
- Robust and lightweight FAN PULLEY for optimum cooling of the head.
- High efficiency AIR FILTER.
- Operation at low R. P. M. with low level of noise.
- Thermal overload PRESSURE SWITCH (only three phase models).

**AVAILABILITY OF  
SPECIAL ANTIDUST  
FILTERS**  
(quarries, cement, etc.).  
See price depending  
on model.







**SINGLE PHASE - WITHOUT OIL**

Direct drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5073114	TRENDY EVO	1,5	1,1	6	1/1	160	9,6	2450	360x300x480	11
5073116	ASSENTO	1,5	1,1	6	1/1	160	9,6	2300	330x300x425	10

**SINGLE PHASE**

Direct drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5083017	NK-15	2	1,5	15	1/1	202	12,1	2800	500x440x500	17
5083027	NK-25	2	1,5	25	1/1	202	12,1	2800	610x280x560	26
5083057	NK-50	2	1,5	50	1/1	202	12,1	2800	720x340x740	36
5093058	NKV-50	3	2,2	50	2/1	357	21,4	2800	820x360x650	44

8 \ CIERZO SERIES



**SINGLE PHASE**

Belt drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5081056	C-2/50M -Bv-	2	1,5	50	2/1	280	16,8	1020	810x380x800	58
5081076	C-2/100M -Bv-	2	1,5	100	2/1	280	16,8	1020	1100x390x870	73
5091026	C-3/25M-A -Bv-*	3	2,2	25	2/1	330	19,8	1020	960x520x680	62
5091056	C-3/50M -Bv-	3	2,2	50	2/1	330	19,8	1020	810x380x800	60
5091076	C-3/100M -Bv-	3	2,2	100	2/1	330	19,8	1020	1100x390x870	75
5091086	C-3/200M -Bv-	3	2,2	200	2/1	330	19,8	1020	1420x470x1040	92

\*Equipped with automatic valve, recommended for heavy-duty or textured paint jobs.



Belt driven compressors (50 and 100 liters horizontal tank) are equipped with a hose reel and a 5 metre air hose kit with quick coupler and fitting.



All compressors up to 100 liters are equipped with wheels except models TRENDY EVO, ASSENTO and NK-15.

**SINGLE PHASE - VERTICAL TANK**

Belt drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5081176	C-V2/100M -Bv-	2	1,5	100	2/1	280	16,8	1020	620x560x1290	73
5091176	C-V3/100M -Bv-	3	2,2	100	2/1	330	19,8	1020	620x560x1290	75





**AVAILABILITY OF SPECIAL ANTIDUST FILTERS**

(quarries, cement, etc.).

See price depending on model.



**THREE PHASE**

Belt drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH	Kg.
5181077	C-2/100 -Bv-	2	1,5	100	2/1	280	16,8	1020	1100x390x870	73
5191187	C-3/200 -Bv-	3	2,2	200	2/1	330	19,8	1020	1420x470x1040	92
5219077	C-5,5/100 -Bv-	5,5	4	100	2/1	600	36	900	1040x440x980	93
5219197	C-5,5/270 -Bv-	5,5	4	270	2/1	600	36	900	1490x520x1100	131
5229079	C-7,5/100	7,5	5,5	100	2/2	820	49,2	1200	1040x440x980	98
5229219	C-7,5/500	7,5	5,5	500	2/2	820	49,2	1200	2000x650x1350	206
5229225	C-7,5/500-A*	7,5	5,5	500	2/2	820	49,2	1200	2000x650x1350	214
5239219	C-10/500	10	7,5	500	2/2	1230	73,8	1250	2000x650x1350	211
5239225	C-10/500-A*	10	7,5	500	2/2	1230	73,8	1250	2000x650x1350	219
5219207	C-5,5/500-D -Bv-	2x5,5	2x4	500	4/1	2x600	2x36	900	2000x650x1350	278
5229209	C-7,5/500-D	2x7,5	2x5,5	500	4/2	2x820	2x49,2	1200	2000x650x1350	298

\*A: star delta start (Y-Δ)

**THREE PHASE - VERTICAL TANK**

Belt drive



Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH	Kg.
5219247	C-V5,5/270 -Bv-	5,5	4	270	2/1	600	36	900	820x600x1840	131

# CLASSIC

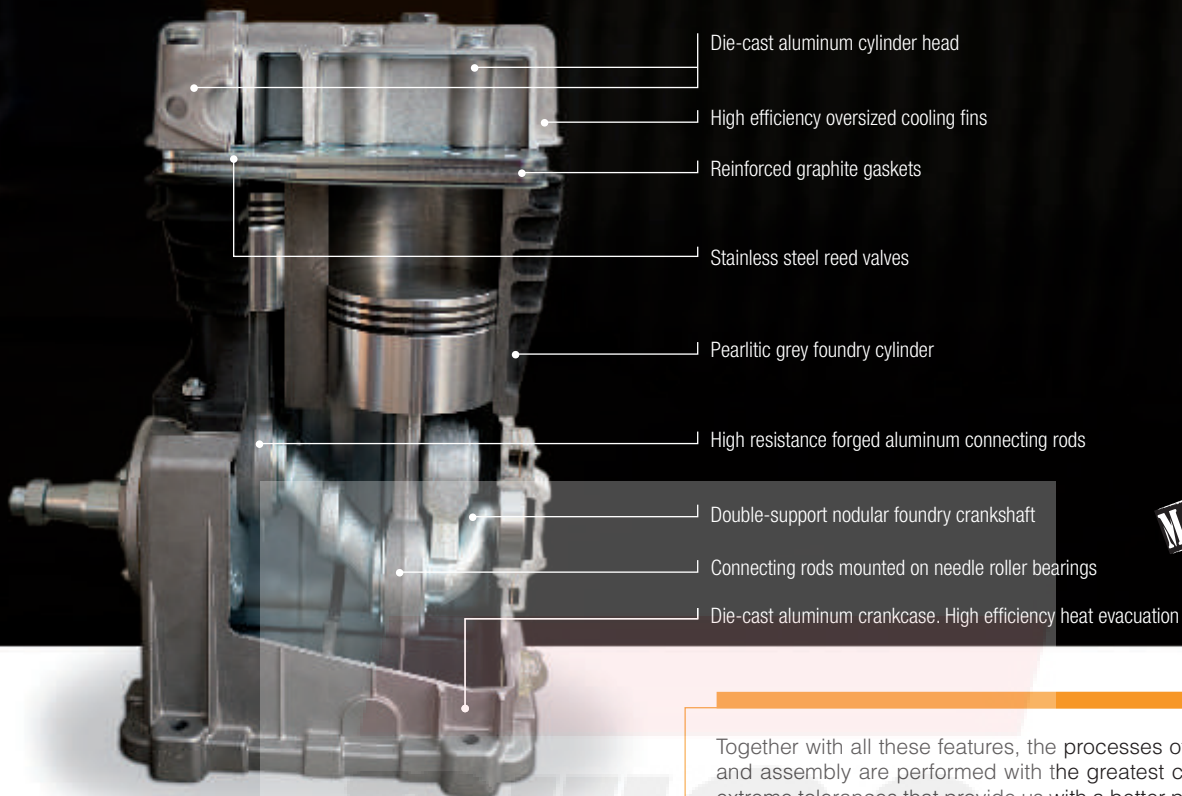
series

CLASSIC series is the hallmark of Compresores JOSVAL, the result of more than 50 years of experience in the sector. These compressors are probably the most robust, most reliable, and have the greatest air flow on the market.



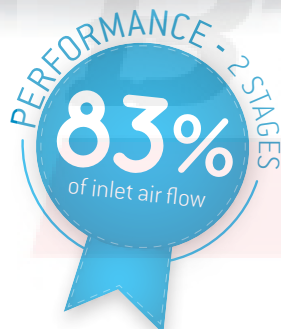


## CLASSIC Head Series



Together with all these features, the processes of machining and assembly are performed with the greatest care, getting extreme tolerances that provide us with a better performance of the air pump and total reliability.

Air flow is set according to ISO 1217.



### Features

- Cast iron CYLINDER of superior strength that prolongs its life and its performance. (1)
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance. (2)
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate. (3)
- CONNECTING RODS in one piece, mounted on **needle bearings** to ensure lower friction, higher performance and less vibrations. (4)
- Die-cast aluminum CRANKCASE for better thermal evacuation. (5)
- Robust and lightweight FAN PULLEY for optimal cooling of the head. (6)
- ELECTRIC MOTOR for low power consumption, high efficiency IE2 and IE3 (depending on model) and service S1. (7)
- Thermal overload PRESSURE SWITCH (only three phase models).



**AVAILABILITY OF SPECIAL ANTIDUST FILTERS**

(quarries, cement, etc.).

See price depending on model.



**Especially for painting:** the compressor model MC-MLC-25/A is equipped with automatic valve for its continuous operation and start/stop switch. It is recommended for heavy-duty or textured paint jobs.



**SINGLE PHASE**

Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5081020	MC-MLC-25/A*	2	1,5	25	2/1	310	18,6	920	960x520x680	65
5081021	MC-MLC-25	2	1,5	25	2/1	310	18,6	920	960x520x680	65
5081051	MC-MLC-50	2	1,5	50	2/1	310	18,6	920	1010x590x760	75
5081070	MC-MLC-100	2	1,5	100	2/1	310	18,6	920	1040x440x840	79
5081180	MC-MLC-200	2	1,5	200	2/1	310	18,6	920	1380x480x950	104
5099021	MC-MAD-25	3	2,2	25	2/2	400	24	920	960x520x710	74
5099051	MC-MAD-50	3	2,2	50	2/2	400	24	920	1010x590x790	83
5099071	MC-MAD-100	3	2,2	100	2/2	400	24	920	1040x440x870	87
5099181	MC-MAD-200	3	2,2	200	2/2	400	24	920	1380x480x980	111
5099191	MC-MAD-300	3	2,2	270	2/2	400	24	920	1500x490x1010	124

\*Equipped with automatic valve, recommended for heavy-duty or textured paint jobs.



To perform the treatment of air from a CLASSIC series compressor, you will need a refrigerant dryer with built-in cooler series REDE and we recommend the use of a particle separator filter series FEP.



- Piston compressors of the CLASSIC series incorporate a head of high performance and robustness, are bicilyndric of 1 or 2 stages and are electronically balanced.
- The compressors with tanks from 25 to 100 liters are portable and are equipped with wheels. The tanks from 200 liters on are static.
- Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.
- For its correct operation, the compressors in this series must be installed on the vibration supports supplied for leveling the compressors with the ground. In addition, for cooling purposes, you must provide a minimum distance of 50 cm between the compressor and the nearest wall, and check the correct rotational direction indicated by the red arrow located in the belt guard.



**THREE PHASE 10 BAR**



Code	Model	Motor		Lts	Cyl./St.	Flow		r.p.m.	Dimensions	
		HP	Kw			l/m	m <sup>3</sup> /h		mm	Kg.
5181021	MC-LC-25	2	1,5	25	2/1	310	18,6	1135	960x520x680 65	
5181051	MC-LC-50	2	1,5	50	2/1	310	18,6	1135	1010x590x760 75	
5181071	MC-LC-100	2	1,5	100	2/1	310	18,6	1135	1040x440x840 79	
5181181	MC-LC-200	2	1,5	200	2/1	310	18,6	1135	1380x480x950 104	
5199021	MC-AD-25	3	2,2	25	2/2	400	24	1135	960x520x710 74	
5199051	MC-AD-50	3	2,2	50	2/2	400	24	1135	1010x590x790 83	
5199071	MC-AD-100	3	2,2	100	2/2	400	24	1135	1040x440x870 87	
5199181	MC-AD-200	3	2,2	200	2/2	400	24	1135	1380x480x980 111	
5199191	MC-AD-300	3	2,2	270	2/2	400	24	1135	1500x490x1010 124	
5209191	MC-AE-300	4	3	270	2/2	590	35,4	910	1500x490x1120 155	
5209211	MC-AE-500	4	3	500	2/2	590	35,4	910	1930x540x1190 215	
5219071	MC-AF-100	5,5	4	100	2/2	780	46,8	1085	1040x440x980 125	
5219191	MC-AF-300	5,5	4	270	2/2	780	46,8	1085	1500x490x1120 163	
5219211	MC-AF-500	5,5	4	500	2/2	780	46,8	1085	1930x540x1190 223	
5229211	MC-AG-500	7,5	5,5	500	2/2	1010	60,6	795	1930x540x1300 277	
5229215	MC-AG-500/A*	7,5	5,5	500	2/2	1010	60,6	795	1930x610x1300 285	
5239211	MC-AH-500	10	7,5	500	2/2	1400	84	1125	1930x540x1300 286	
5239215	MC-AH-500/A*	10	7,5	500	2/2	1400	84	1125	1930x610x1300 294	
5219209	MC-AF-500-D	2x5,5	2x4	500	4/2	2x780	2x46,8	1085	1930x540x1190 315	
5259257	MC-AI-1000/A*	15	11	1000	2/2	2020	121,2	840	2150x820x1650 427	
5269257	MC-AJ-1000/A*	20	15	1000	2/2	2770	166,2	1125	2150x820x1650 442	

\*A: star delta start (Y-Δ)

**THREE PHASE 10 BAR - VERTICAL TANK**

Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	mm	Kg.
5219241	MC-VAF-300	5,5	4	270	2/2	780	46,8	1085	820x600x1840	163

**THREE PHASE 15 BAR**



Code	Model	Motor		Lts	Cyl./St.	Flow		r.p.m.	Dimensions	
		HP	Kw			l/m	m <sup>3</sup> /h		mm	Kg.
5192021	MC-AD2-25	3	2,2	25	2/2	400	24	1135	960x520x710 76	
5192051	MC-AD2-50	3	2,2	50	2/2	400	24	1135	1010x590x790 85	
5192181	MC-AD2-200	3	2,2	200	2/2	400	24	1135	1380x480x980 116	
5192191	MC-AD2-300	3	2,2	300	2/2	400	24	1135	1600x490x1010 139	
5202191	MC-AE2-300	4	3	300	2/2	590	35,4	910	1600x490x1120 170	
5202211	MC-AE2-500	4	3	500	2/2	590	35,4	910	1930x540x1190 215	
5212071	MC-AF2-100	5,5	4	100	2/2	780	46,8	1085	1040x440x980 130	
5212191	MC-AF2-300	5,5	4	300	2/2	780	46,8	1085	1600x490x1120 178	
5212211	MC-AF2-500	5,5	4	500	2/2	780	46,8	1085	1930x540x1190 228	
5222211	MC-AG2-500	7,5	5,5	500	2/2	1010	60,6	795	1930x540x1300 277	
5222215	MC-AG2-500/A*	7,5	5,5	500	2/2	1010	60,6	795	1930x610x1300 285	
5232211	MC-AH2-500	10	7,5	500	2/2	1400	84	1125	1930x540x1300 286	
5232215	MC-AH2-500/A*	10	7,5	500	2/2	1400	84	1125	1930x610x1300 294	
5252257	MC-AI2-1000/A*	15	11	1000	2/2	2020	121,2	840	2150x820x1650 527	
5262257	MC-AJ2-1000/A*	20	15	1000	2/2	2770	166,2	1125	2150x820x1650 542	

\*A: star delta start (Y-Δ)

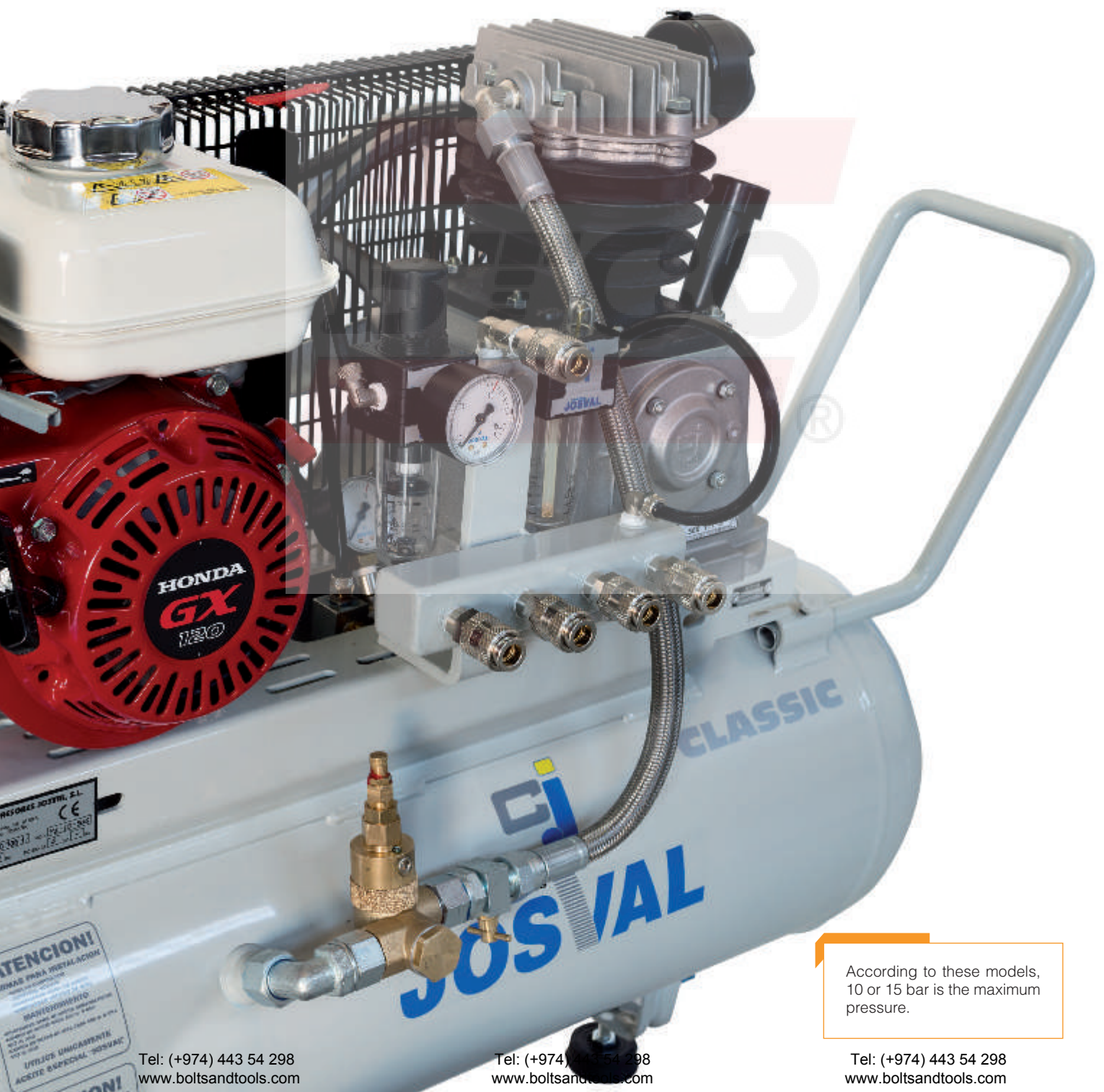
**THREE PHASE 15 BAR - VERTICAL TANK**

Code	Model	HP	Kw	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	mm	Kg.
5212241	MC-VAF2-300	5,5	4	300	2/2	780	46,8	1085	820x600x1840	178

# MOTOR DRIVEN

## compressors

This is the most complete and effective solution where there is no electrical supply (mobile workshops, agricultural activities, etc.). Additionally, thanks to their pneumatic tires, MOTOR DRIVEN compressors are ideal for your travel in any type of terrain.



According to these models, 10 or 15 bar is the maximum pressure.

## Features MOBIL Series

- Designed for MOBILE WORKSHOPS.
- HONDA petrol ENGINE.
- Electric start with BATTERY.
- Battery included in all models.
- High performance electric GENERATOR (MOBIL EASY model excluded).
- AIR TANK of 50 liters capacity.
- Four QUICK COUPLINGS outputs:
  - 1x Universal quick coupling.
  - 1x Quick coupling (socket 3/8").
  - 1x Regulated and filtered for universal quick coupling.
  - 1x Regulated, filtered and lubricated for quick coupling (socket 3/8").
- Ergonomic DESIGN ideal for vans and mobile workshops.

MOBIL EASY



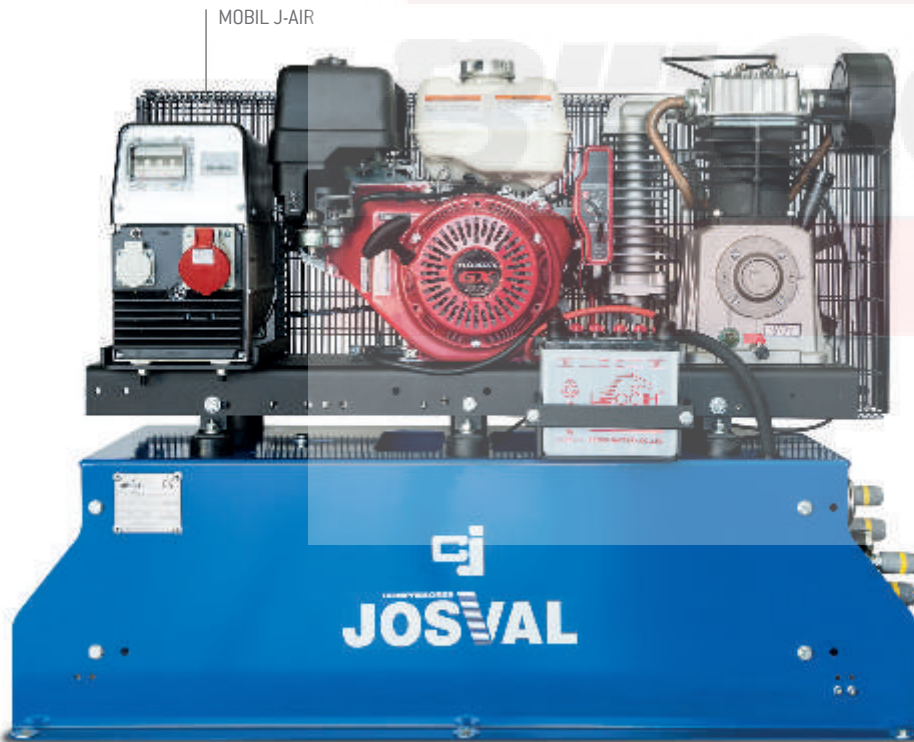
MOBIL SINGLE



MOBIL TOP



MOBIL J-AIR



**Idle function optional.**  
See price depending on model.

**AVAILABILITY OF SPECIAL ANTI-DUST FILTERS**  
(quarries, cement, etc.).  
See price depending on model.



Air flow is set according to ISO 1217.

COMPRESORES JOSVAL

### MOBIL SERIES

#### MOBILE WORKSHOPS SPECIAL



Code	Model	HP	Model	Vol/Kva	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	LxWxH mm	Kg.
5237054	MOBIL EASY	9	GX270	-	50	2/2	780	46,8	1130x500x935	175
5237057	MOBIL SINGLE	9	GX270	230M/2	50	2/2	780	46,8	1200x500x980	220
5257053	MOBIL J-AIR	13	GX390	230M/2-400T/7	50	2/2	780	46,8	1200x500x980	225
5257056	MOBIL TOP	13	GX390	230M/2-400T/7	50	2/2	1230	73,8	1200x500x980	220



## Features

- Petrol or diesel ENGINES.
- Spring-mounted SHOCK ABSORBERS (models of 9 and 10 HP), greater stability and less vibrations.
- Pneumatic WHEELS to fit any type of terrain (models up to 100L).
- Easy transport and handling.
- Competitive and high-performance versions available.

### Idle function optional.

See price depending on model.

### AVAILABILITY OF SPECIAL ANTIDUST FILTERS

(quarries, cement, etc.).  
See price depending on model.



## PETROL

### CIERZO HEAD

**HONDA** 

Code	Model	HP	Model	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5207028	C-3/25G -Bv-	4	GX 120	25	2/1	330	19,8	1020	830x610x610	61
5207556	C-3/20+20G -Bv-	4	GX 120	20+20	2/1	330	19,8	1020	1000x700x710	63
5207058	C-3/50G -Bv-	4	GX 120	50	2/1	330	19,8	1020	1000x670x670	72

### CLASSIC HEAD

**HONDA** 

Code	Model	HP	Model	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	mm	Kg.
5207021	MC-LE-25G	4	GX 120	25	2/1	310	18,6	1050	830x610x610	76
5207552	MC-LE-20+20G	4	GX 120	20+20	2/1	310	18,6	1050	1000x700x710	66
5207051	MC-LE-50G	4	GX 120	50	2/1	310	18,6	1050	1000x670x670	84

### CLASSIC HEAD

**HONDA** 

Code	Model	HP	Model	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	mm	Kg.
5217024	MC-AF2-25G	5,5	GX 160	25	2/2	400	24	1050	830x610x660	80
5217054	MC-AF2-50G	5,5	GX 160	50	2/2	400	24	1050	1000x670x720	80
5237074	MC-AH2-100G	9	GX 270	100	2/2	780	46,8	970	1200x600x1000	186
5237194	MC-AH2-300G	9	GX 270	300	2/2	780	46,8	970	1650x500x1100	191
5237077	MC-AH2-100G/AEB*	9	GX 270 SX	100	2/2	780	46,8	970	1200x600x1000	186
5237197	MC-AH2-300G/AEB*	9	GX 270 SX	300	2/2	780	46,8	970	1650x500x1100	191

\*AEB: electric start with battery



## DIESEL

### CLASSIC HEAD

**LOMBARDINI**  
A KOHLER COMPANY 

Code	Model	HP	Model	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	LxWxH mm	Kg.
5227077	MC-AG2-100D/AEB*	10	15 LD 440	100	2/2	780	46,8	970	1200x600x1000	195
5227197	MC-AG2-300D/AEB*	10	15 LD 440	300	2/2	780	46,8	970	1650x500x1000	235

\*AEB: electric start with battery

# MAINTENANCE

## Recommended oils



### ENERGY+ SERIES OILS (SCREW AND PISTON)

ENERGY+ series oils are formulated with high quality base oils and performance enhancing additives which increase oxidation resistance and ensure good wear and corrosion protection.

ENERGY+ series oils offer unbeatable value for the money.



### FORTE SERIES OILS (SCREW AND PISTON)

FORTE series oils are high quality mineral base oils designed to meet the most stringent requirements of our customers. They are formulated with high performance additives which provide an excellent wear and corrosion protection, reduce maintenance costs and enhance equipment life and performance.

Compresores JOSVAL, as the manufacturer, recommends using FORTE series oils in demanding environments.



### FOOD GRADE SERIES OILS (SCREW AND PISTON)

NSF H1 approved oils are for screw and piston compressors, and are suitable for certain clinical and food applications.

## Spare parts and consumables

JOSVAL original parts are exclusively designed to ensure the best performance. Each piece is evaluated by experts to meet the highest quality standards. Imitation parts are cheaper and in high demand, however, they do not guarantee durability and optimum performance of JOSVAL's compressors.

There are countless advantages by purchasing original parts, the most significant:

- Better performance of the compressor.
- Higher quality, resistance and durability.
- They rotate less frequently, resulting in long-term cost savings.
- Exclusive design according to the specifications for each model.
- Safety and reliability.

Only parts that meet the following conditions may be considered JOSVAL genuine parts:

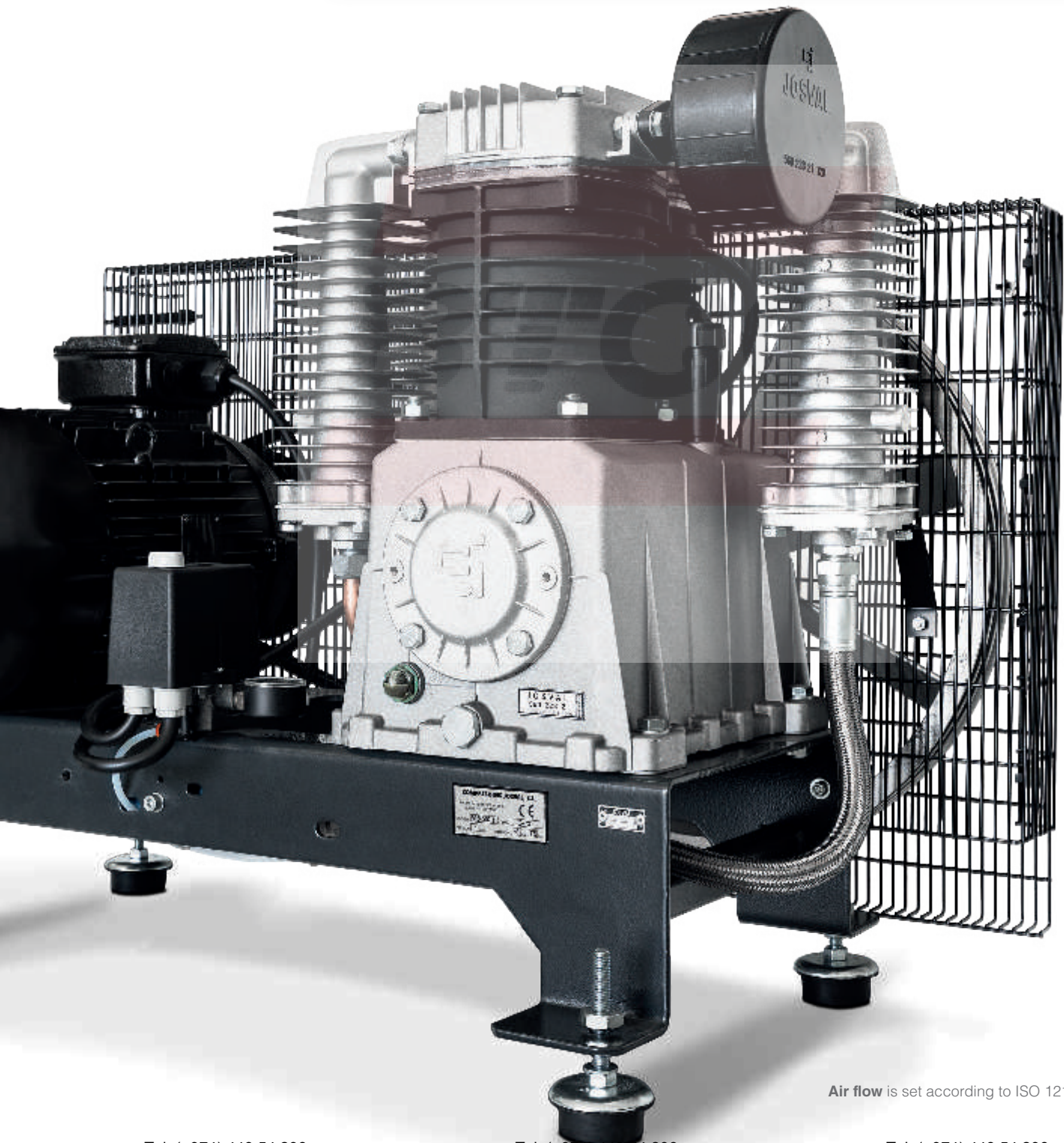
- Manufactured in accordance with JOSVAL's approved or original designs.
- Tested according to JOSVAL's high quality standards.
- Marketed through the JOSVAL's network of distributors and technical assistance services.





# BASE PLATES

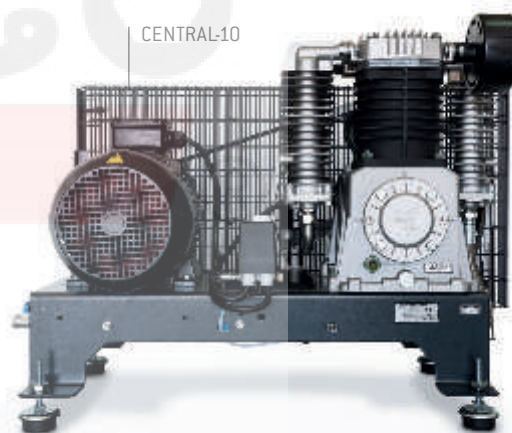
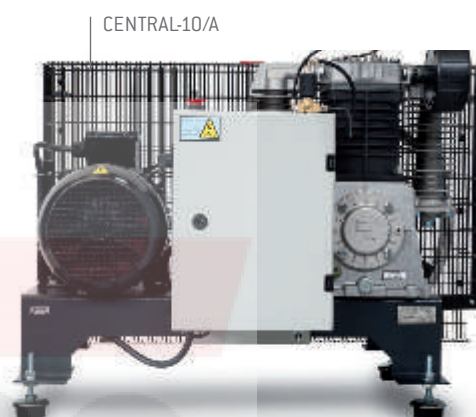
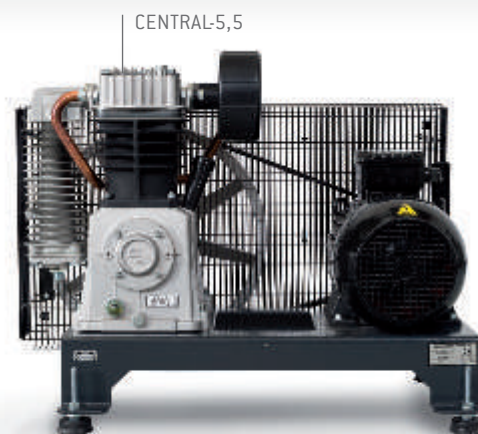
BASE PLATES are an effective and competitively-priced solution for those companies that cannot stop their activities and need a second compressor of support in times of need, such as in the case of failure or maintenance of the main compressor.



Air flow is set according to ISO 1217.

## Features

- Cast iron CYLINDER of superior strength that prolongs its life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance.
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate.
- CONNECTING RODS in one piece, mounted on needle bearings to ensure lower friction, higher performance and less vibrations.
- Oversized CRANKCASE for better thermal evacuation.
- Robust and lightweight FAN PULLEY for optimal cooling of the head.
- ELECTRIC MOTOR for low power consumption, high efficiency IE2 and IE3 (depending on model) and service S1.
- Thermal overload PRESSURE SWITCH (only three phase models).
- PLUG & PLAY, simple installation, plug in and operate (PIPE PRESSURE MONITORING).



**AVAILABILITY OF SPECIAL ANTIDUST FILTERS** (quarries, cement, etc.).  
See price depending on model.



## BASE PLATES

Code	Model	HP	Kw	Ph	l/m	m <sup>3</sup> /h	bar	r.p.m.	LxWxH mm	Kg.
5084000	CENTRAL-2M	2	1,5	1	310	18,6	10	920	620x340x400	35
5184001	CENTRAL-2	2	1,5	3	310	18,6	10	1135	620x340x400	35
5095001	CENTRAL-3M	3	2,2	1	400	24	15	920	620x400x410	45
5195001	CENTRAL-3	3	2,2	3	400	24	15	1135	620x400x410	45
5205001	CENTRAL-4	4	3	3	590	35,4	15	910	820x480x550	77
5215001	CENTRAL-5,5	5,5	4	3	780	46,8	15	1085	820x480x550	80
5225001	CENTRAL-7,5	7,5	5,5	3	1010	60,6	15	795	1020x570x740	142
5225005	CENTRAL-7,5/A*	7,5	5,5	3	1010	60,6	15	795	1020x640x740	150
5235001	CENTRAL-10	10	7,5	3	1400	84	15	1125	1020x570x740	150
5235005	CENTRAL-10/A*	10	7,5	3	1400	84	15	1125	1020x640x740	158
5255005	CENTRAL-15/A*	15	11	3	2020	121,2	15	840	1110x740x780	220
5265005	CENTRAL-20/A*	20	15	3	2770	166,2	15	1125	1110x740x780	231

\*A: star delta start (Y-Δ)

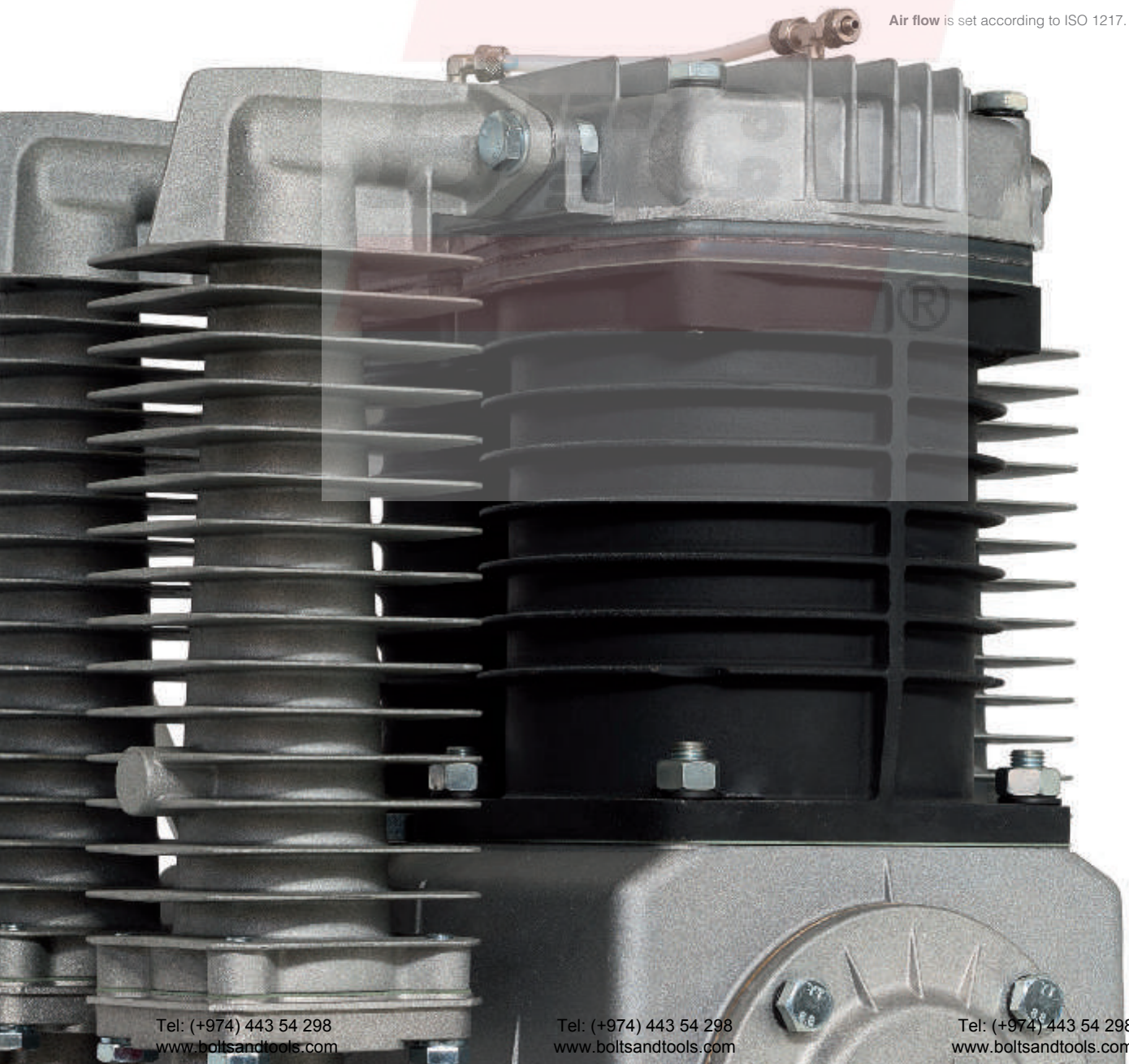


# HEADS

## Features CLASSIC Series

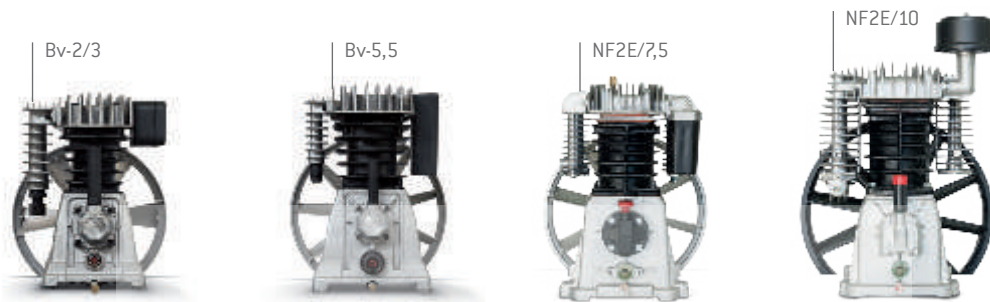
- Cast iron CYLINDER of superior strength that prolongs its life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance.
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate.
- CONNECTING RODS in one piece, mounted on needle bearings to ensure lower friction, higher performance and less vibrations.
- Die-cast aluminum CRANKCASE for better thermal evacuation.
- Robust and lightweight FAN PULLEY for optimal cooling of the head.

Air flow is set according to ISO 1217.



## Features CIERZO Series

- Cast iron CYLINDER that extends its useful life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability.
- REED VALVES with multiple steps of air that provide a greater flow.
- Robust and lightweight FAN PULLEY for optimum cooling of the head.
- High efficiency AIR FILTER.
- Operation at low R.P.M. with low level of noise.

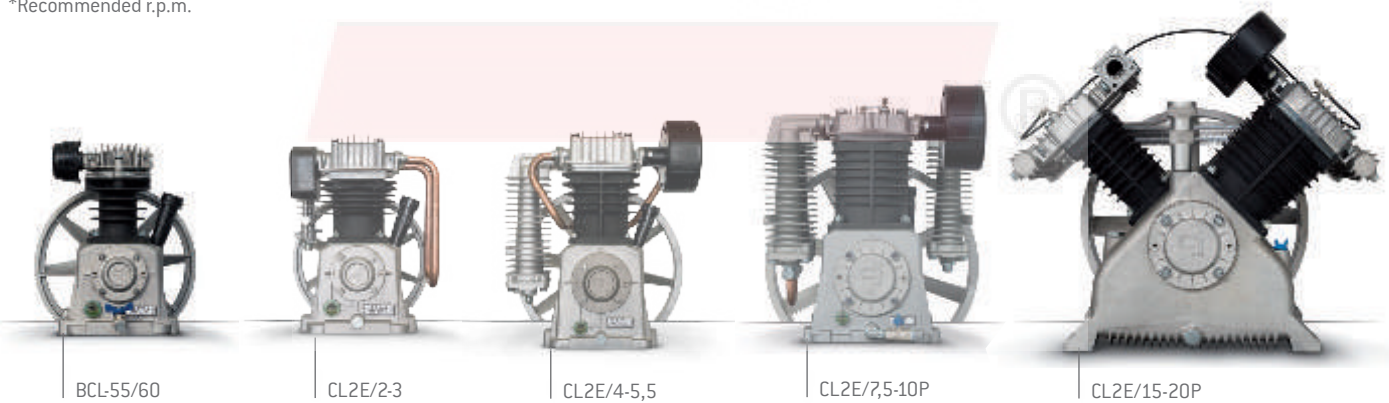


### CIERZO SERIES



Code	Model	HP	Kw	Cyl./St.	l/m	m <sup>3</sup> /h	bar	r.p.m	LxWxH mm	Kg.
5607182	Bv-2	2	1,5	2/1	280	16,8	10	1020 *	320x275x340	10
5607192	Bv-3	3	2,2	2/1	330	19,8	10	1020 *	320x275x340	11
5607212	Bv-5,5	5,5	4	2/1	600	36	10	900 *	380x370x450	24
5605225	NF2E/7,5	7,5	5,5	2/2	820	49,2	10	1200 *	360x400x540	26
5605235	NF2E/10	10	7,5	2/2	1230	73,8	10	1250 *	400x510x620	54

\*Recommended r.p.m.



### CLASSIC SERIES



Code	Model	HP	Kw	Cyl./St.	l/m	m <sup>3</sup> /h	bar	r.p.m	LxWxH mm	Kg.
5601173	BCL-55/60	2	1,5	2/1	310	18,6	10	920 *	275x195x320	14
5602193	CL2E/2-3	3	2,2	2/2	400	24	15	1135 *	300x250x400	19
5602202	CL2E/4-5,5	4	3	2/2	590	35,4	15	910 *	350x300x500	30
5602203	CL2E/4-5,5P	5,5	4	2/2	780	46,8	15	1085 *	350x300x500	30
5602282	CL2E/7,5-10	7,5	5,5	2/2	1010	60,6	15	795 *	430x570x530	54
5602285	CL2E/7,5-10P	10	7,5	2/2	1400	84	15	1125 *	430x570x530	54
5602307	CL2E/15-20P	15	11	4/2	2020	121,2	15	840 *	500x700x750	86
		20	15	4/2	2770	166,2		1125 *		



# SOUNDPROOFED

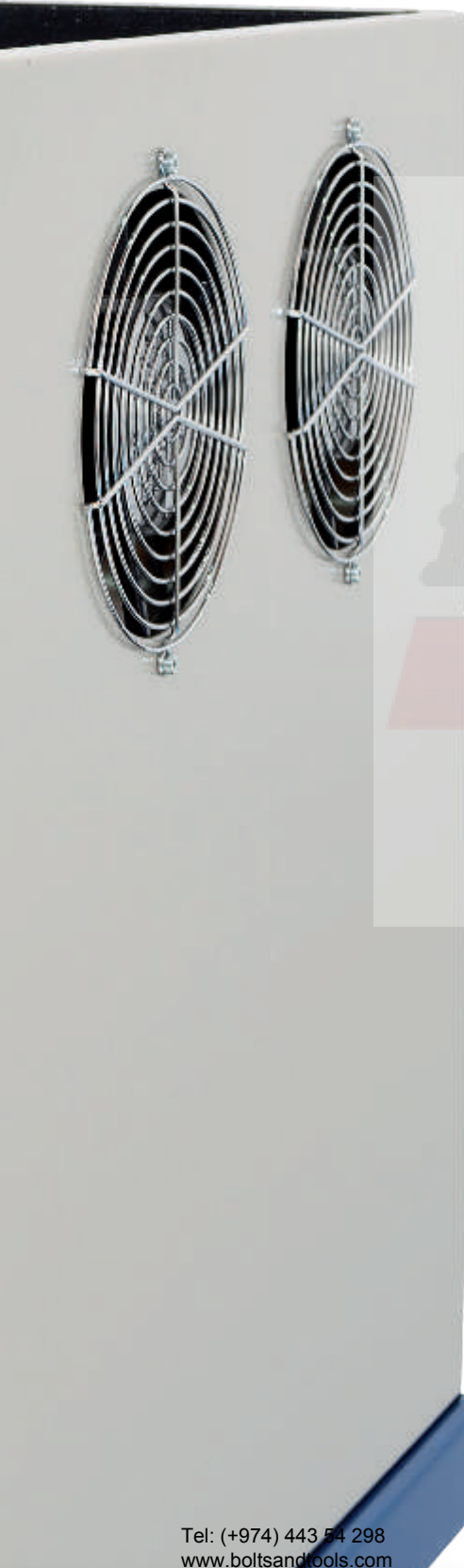


# PISTON

## compressors

Compresores JOSVAL differs from other manufacturers by offering the widest range of soundproofed piston compressors in the WORLD, finding solutions where other companies fail to do so, making our compressors suitable for high-performance work in 20 HP.

Our specialty -reliable, aesthetically appealing, efficient compressors- are free of complications and are very inexpensive to maintain, while producing the air required for offices, workshops, and small and medium industries who need soundproof, affordable solutions.



SAUBER / SAUBER SILENCE series \_\_\_\_\_

BRISA / BRISA PLUS series \_\_\_\_\_

4UATTRO series \_\_\_\_\_

MONCAYO series \_\_\_\_\_

# SAUBER and SAUBER SILENCE series

Oil-free compressors, designed to withstand high rhythms of work, have very low maintenance costs.

These are aimed at small businesses that require very clean air. For dental markets, the model also incorporates an adsorption dryer.

## Features

- Compressor SINGLE PHASE, SILENT and SOUNDPROOFED.
- WITHOUT OIL - CLEAN and DRY air. Economic maintenance.
- Bicilyndric HEAD ceramic coated, great production, reliable, compact and robust.
- Electric MOTOR for low power consumption and high performance. S1 service.
- AIR TANK treated and painted sanitary white.





## Features SAUBER SILENCE series

- FILTRATION SET with built-in automatic drain (5 micron in SAUBER CLINIC ONE model and 0,01 micron in SAUBER SUPREME model).
- DRYER of high efficiency, which absorbs moisture and ensures DRY air.



SAUBER CLINIC ONE



SAUBER SUPREME

## SAUBER SILENCE SERIES



Code	Model	HP	Kw	Chairs	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg
5068127	SAUBER CLINIC ONE	1	0,75	1	24	1/1	120	7,2	1400	62	710x510x400	35
5088157	SAUBER SUPREME	2	1,5	2+1	50	2/1	240	14,4	1400	64	910x600x480	49

**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.

## Features SAUBER series

- FILTRATION SET with built-in automatic drain (0,01 micron).
- Adsorption DRYER of high efficiency, which absorbs moisture and ensures DRY air.

Only in model  
**SAUBER 240-D**



SAUBER 240



SAUBER 240-D

## SAUBER SERIES



Code	Model	HP	Kw	Chairs	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg
5088151	SAUBER 240	2	1,5	-	50	2/1	240	14,4	1400	56	740x465x970	110
5088155	SAUBER 240-D	2	1,5	2+1	50	2/1	240	14,4	1400	56	740x465x970	120

# BRISA and BRISA PLUS

series

The BRISA and BRISA PLUS series of soundproofed piston compressors provides easy mounting and installation. Simply plug in and operate. These require low maintenance and are ideal for urban areas where noise can be an inconvenience to neighbors, or in areas where you don't have a specific site for the compressor and noise can be a problem.

**AVAILABILITY OF SPECIAL ANTIDUST FILTERS** (quarries, cement, etc.).  
See price depending on model.



## Features

- CLASSIC series head.
- Robust and lightweight FAN PULLEY for optimal cooling of the head.
- ELECTRIC MOTOR low power consumption and high performance. Service S1.
- AIR TANK of 100 liters capacity (50 liters models up to 3 HP).
- Economic maintenance.
- PLUG & PLAY, simple installation, plug in and operate.
- Special ANTIVIBRATION rubbers.

- FAN for heat evacuation.
- Analog HOURMETER.
- RELAY of direction of rotation.
- Condensation DRAIN.
- AFTERCOOLER for optimal ventilation of the compressor.
- Maintenance LED (models of 4 and 5,5 HP).
- OIL-LESS INDICATOR LED (models of 4 and 5,5 HP).

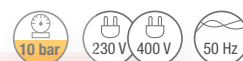
Only  
**BRISA PLUS**  
series

- Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.
- In the case of a complete installation of a compressor with air treatment, the system would consist of BRISA PLUS compressor, refrigerant dryer series EDS (or REDE if BRISA series) and particle separator filter series FEP.

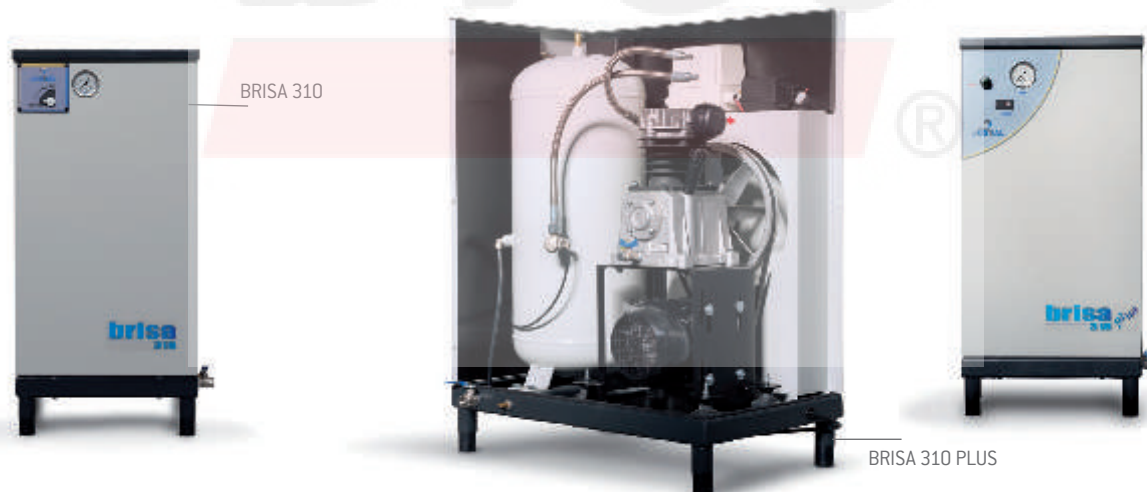
**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## BRISA SERIES



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m³/h	r.p.m.	dB [A]	LxWxH	
											mm	Kg
5088141	BRISA 310M	2	1,5	1	50	2/1	310	18,6	920	61	740x465x970	112
5188143	BRISA 310	2	1,5	3	50	2/1	310	18,6	1135	61	740x465x970	112
5098141	BRISA 400M	3	2,2	1	50	2/2	400	24	920	65	740x465x970	127
5198143	BRISA 400	3	2,2	3	50	2/2	400	24	1135	65	740x465x970	127



## BRISA PLUS SERIES

### 10 BAR



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m³/h	r.p.m.	dB [A]	LxWxH	
											mm	Kg
5088144	BRISA 310M PLUS	2	1,5	1	50	2/1	310	18,6	920	61	740x465x970	112
5188145	BRISA 310 PLUS	2	1,5	3	50	2/1	310	18,6	1135	61	740x465x970	112
5198145	BRISA 400 PLUS	3	2,2	3	50	2/2	400	24	1135	65	740x465x970	127

### 15 BAR



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m³/h	r.p.m.	dB [A]	LxWxH	
											mm	Kg
5208173	BRISA 590 PLUS	4	3	3	90	2/2	590	35,4	910	64	1020x705x1185	174
5218173	BRISA 780 PLUS	5,5	4	3	90	2/2	780	46,8	1085	64	1020x705x1185	180



# 4UATTRO

series

Taking advantage of a lifetime of the concepts and experience, Compressors JOSVAL offers with the 4UATTRO series a creative and functional solution for those instances when there is a need for a very low noise level and/or in a small space. With a range that goes from 3 up to 10 HP, this is the more versatile autonomous station of our catalog.

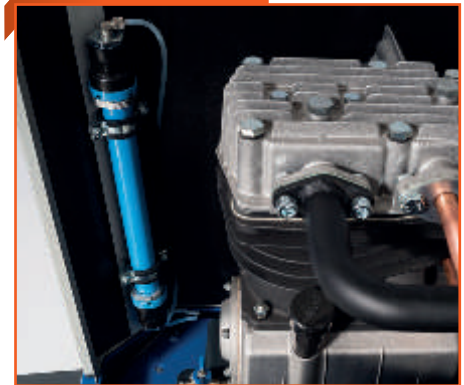


## Features

- Compressor production large, reliable, compact and robust.
- EASY ACCESS. Economic maintenance.
- Electric MOTOR low power consumption and high performance. Service S1.
- CONTROL RELAY of direction of rotation.
- Double thermal heater FAN of evacuation (triple fan models in 7,5-10 HP CLASSIC series).
- ALARM INDICATOR light for control of direction of rotation and dysfunction of fans.
- Thermostatic SENSOR for the fan control.
- Analog HOURMETER of work.
- LINE PIPING connections of PTFE.
- SOFT STARTER (models 7,5-10 HP CLASSIC series).
- PIPE PRESSURE MONITORING (without tank models).
- Three versions available: without tank, with tank, and with tank and dryer.

**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.



**Pipe Pressure Monitoring**  
Easy connection to air net

**AVAILABILITY OF SPECIAL ANTIDUST FILTERS** (quarries, cement, etc.).  
See price depending on model.



Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.





4UATTRO 5,5/270



4UATTRO C7,5/270

## 4UATTRO SERIES

### CIERZO HEAD



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg.
5198043	4UATTRO C3	3	2,2	3	-	2/1	330	19,8	1020	63	655x530x660	75
5198283	4UATTRO C3/150	3	2,2	3	150	2/1	330	19,8	1020	63	950x530x1210	117
5218043	4UATTRO C5,5	5,5	4	3	-	2/1	600	36	900	65	855x653x730	150
5218243	4UATTRO C5,5/270	5,5	4	3	270	2/1	600	36	900	65	1170x653x1370	230
5228043	4UATTRO C7,5	7,5	5,5	3	-	2/2	820	49,2	1200	68	855x653x730	153
5228243	4UATTRO C7,5/270	7,5	5,5	3	270	2/2	820	49,2	1200	68	1170x653x1370	233
5238043	4UATTRO C10	10	7,5	3	-	2/2	1230	73,8	1250	69	885x700x900	195
5238213	4UATTRO C10/500	10	7,5	3	500	2/2	1230	73,8	1250	69	1930x700x1480	435

### CLASSIC HEAD



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	mm	Kg.
5198041	4UATTRO 3	3	2,2	3	-	2/2	400	24	1135	65	655x530x660	83
5198281	4UATTRO 3/150	3	2,2	3	150	2/2	400	24	1135	65	950x530x1210	125
5218041	4UATTRO 5,5	5,5	4	3	-	2/2	780	46,8	1085	67	855x653x730	160
5218241	4UATTRO 5,5/270	5,5	4	3	270	2/2	780	46,8	1085	67	1170x653x1370	240
5228047	4UATTRO 7,5 -AS.*	7,5	5,5	3	-	2/2	1010	60,6	795	69	885x700x900	191
5228217	4UATTRO 7,5/500 -AS.*	7,5	5,5	3	500	2/2	1010	60,6	795	69	1930x700x1480	431
5238047	4UATTRO 10 -AS.*	10	7,5	3	-	2/2	1400	84	1125	70	885x700x900	200
5238217	4UATTRO 10/500 -AS.*	10	7,5	3	500	2/2	1400	84	1125	70	1930x700x1480	440

\*AS: soft starter

## 4UATTRO SERIES 15 BAR

### CLASSIC HEAD



Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	mm	Kg.
5218045	4UATTRO 15bar 5,5	5,5	4	3	-	2/2	620	37,2	950	66	855x653x730	160
5218245	4UATTRO 15bar 5,5/270	5,5	4	3	270	2/2	620	37,2	950	66	1170x653x1370	255
5228045	4UATTRO 15bar 7,5 -AS.*	7,5	5,5	3	-	2/2	850	51	735	68	885x700x900	191
5228215	4UATTRO 15bar 7,5/500 -AS.*	7,5	5,5	3	500	2/2	850	51	735	68	1930x700x1480	481
5238045	4UATTRO 15bar 10 -AS.*	10	7,5	3	-	2/2	1150	69	990	69	885x700x900	200
5238221	4UATTRO 15bar 10/500 -AS.*	10	7,5	3	500	2/2	1150	69	990	69	1930x700x1480	490

\*AS: soft starter





## 4UATTRO -EDS- SERIES (WITH DRYER)

CIERZO HEAD

Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB (A)	LxWxH mm	Kg.
5198183	4UATTRO C3/200 -EDS-	3	2,2	3	200	2/1	330	19,8	1020	63	1380x530x1220	154
5218213	4UATTRO C5,5/500 -EDS-	5,5	4	3	500	2/1	600	36	900	65	1930x653x1370	297
5228213	4UATTRO C7,5/500 -EDS-	7,5	5,5	3	500	2/2	820	49,2	1200	68	1930x700x1480	300
5238215	4UATTRO C10/500 -EDS-	10	7,5	3	500	2/2	1230	73,8	1250	69	1930x700x1480	461

## CLASSIC HEAD

Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB (A)	mm	Kg.
5198181	4UATTRO 3/200 -EDS-	3	2,2	3	200	2/2	400	24	1135	65	1380x530x1220	162
5218219	4UATTRO 5,5/500 -EDS-	5,5	4	3	500	2/2	780	46,8	1085	67	1930x653x1370	307
5228219	4UATTRO 7,5/500 -AS*-EDS-	7,5	5,5	3	500	2/2	1010	60,6	865	69	1930x700x1480	457
5238219	4UATTRO 10/500 -AS*-EDS-	10	7,5	3	500	2/2	1400	84	1125	70	1930x700x1480	466

\*AS: soft starter

## 4UATTRO -EDS- SERIES 15 BAR (WITH DRYER)

CLASSIC HEAD

Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB (A)	mm	Kg.
5218211	4UATTRO 15bar 5,5/500 -EDS-	5,5	4	3	500	2/2	620	37,2	950	66	1930x653x1370	357
5228211	4UATTRO 15bar 7,5/500 -AS*-EDS-	7,5	5,5	3	500	2/2	850	51	735	68	1930x700x1480	507
5238225	4UATTRO 15bar 10/500 -AS*-EDS-	10	7,5	3	500	2/2	1150	69	990	69	1930x700x1480	516

\*AS: soft starter

# MONCAYO

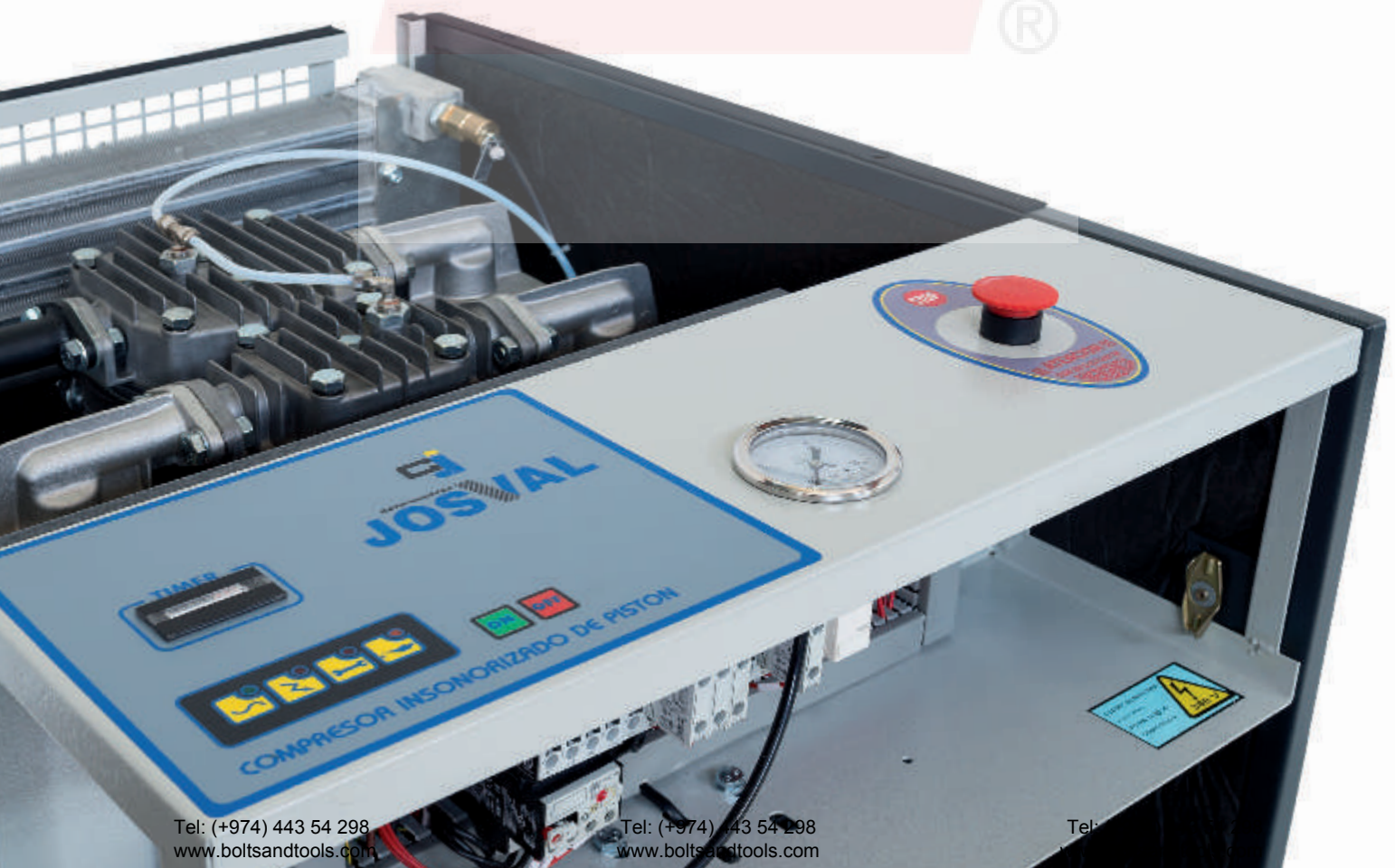
series

MONCAYO series is designed for the most demanding clients, those who value making a greater investment to obtain the maximum benefit and who are committed to the highest technology in soundproofed piston compressors.

We offer models ranging from 4 up to 20 HP. Without a doubt, they are the most prestigious soundproofed piston compressors with the highest benefits (head of the CLASSIC series, electronic board multifunction control, aftercooler, etc.).

## Features

- Compressor of great production, reliable and robust.
- Air pump of the CLASSIC Series.
- AFTERCOOLER.
- Electric MOTOR low power consumption and high performance. Service S1.
- CONTROL RELAY of direction of rotation.
- ELECTRONIC DISPLAY that controls the following parameters:
  - Analog hour meter.
  - Alarm indicator.
  - Maintenance indicator.
  - Electric overload indicator.
  - Oil-less indicator (from 7,5 HP on).
- Easy and quick access SYSTEM OF DOORS.
- INSULATION PANELS with a high degree of soundproofing.
- Electric FAN heat evacuation.
- Emergency STOP BUTTON (from 7,5 hp on).





## AVAILABILITY OF SPECIAL ANTIDUST FILTERS (quarries, cement, etc.).

See price depending on model.



In the case of a complete installation of a compressor with air treatment, the system would consist of MONCAYO compressor, refrigerant dryer with bypass series EDS and particle separator filter series FEP.



MONCAYO 1400/A

## MONCAYO SERIES

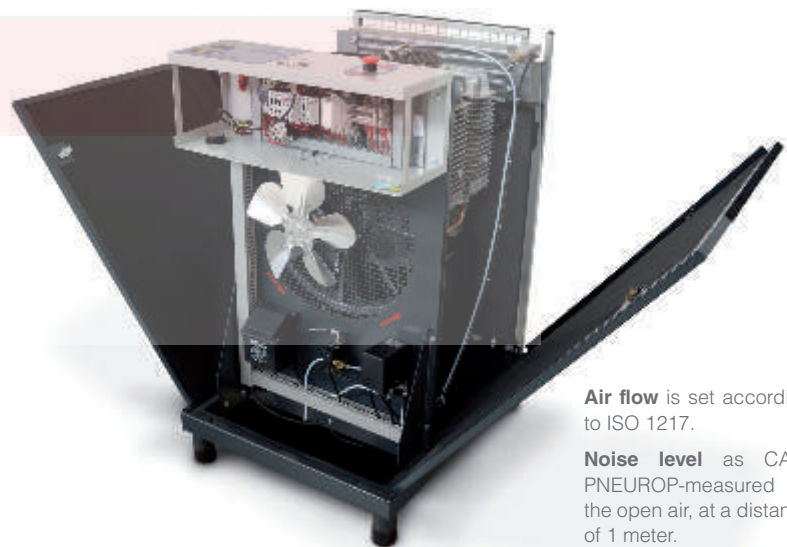


Code	Model	HP	Kw	Ph	Lts	Cyl./St.	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg
5208023	MONCAYO 590	4	3	3	-	2/2	590	35,4	910	63	770x565x1010	125
5218023	MONCAYO 780	5,5	4	3	-	2/2	780	46,8	1085	63	770x565x1010	131
5228025	MONCAYO 1010/A*	7,5	5,5	3	-	2/2	1010	60,6	795	64	830x690x1150	180
5238025	MONCAYO 1400/A*	10	7,5	3	-	2/2	1400	84	1125	64	830x690x1150	187
5258025	MONCAYO 2020/A*	15	11	3	-	2/2	2020	121,2	840	65	1160x815x1190	407
5268025	MONCAYO 2770/A*	20	15	3	-	2/2	2770	166,2	1125	65	1160x815x1190	414

\*A: star delta start (Y-Δ)



MONCAYO 780



Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## MONCAYO SET



Code	Model
5216198	MONCAYO Set 780 + Vertical tank 270 liters 11 bar + Dryer EDS-900 + Filter FEP-1200 + [2x] Connection hoses
5236212	MONCAYO Set 1400/A + Vertical tank 500 liters 11 bar + Dryer EDS-1800 + Filter FEP-1800 + [2x] Connection hoses
5256252	MONCAYO Set 2020/A + Vertical tank 1.000 liters 11 bar + Dryer EDS-2400 + Filter FEP-3000 + [2x] Connection hoses
5266252	MONCAYO Set 2770/A + Vertical tank 1.000 liters 11 bar + Dryer EDS-3000 + Filter FEP-3000 + [2x] Connection hoses

By-pass included



# SCREW compressors

With over 30 years of experience manufacturing our soundproof rotary compressors, if anything defines the new generation of JOSVAL's screw compressors, it is robustness and reliability. Without a doubt it is the best investment for those businesses or companies that require a continuous air flow.

They offer a higher performance with respect to piston compressors, are quieter, more durable and are inexpensive to maintain.



B!GO

PRACTIKO series \_\_\_\_\_

TECONROT series \_\_\_\_\_

SILENTIUM series \_\_\_\_\_

MISTRAL series \_\_\_\_\_

GRAFENO QUARTZ series \_\_\_\_\_

GRAFENO DIAMOND series \_\_\_\_\_



# PRACTIKO

series

Reliable, durable, efficient, and eliminating superfluous to its cost and value, really go together. PRACTIKO, the range incorporating everything requested by our customers.

PRACTIKO compressor is very easy to install and save money immediately reducing operating costs. Designed and developed to fulfill the targets that the market currently demands.

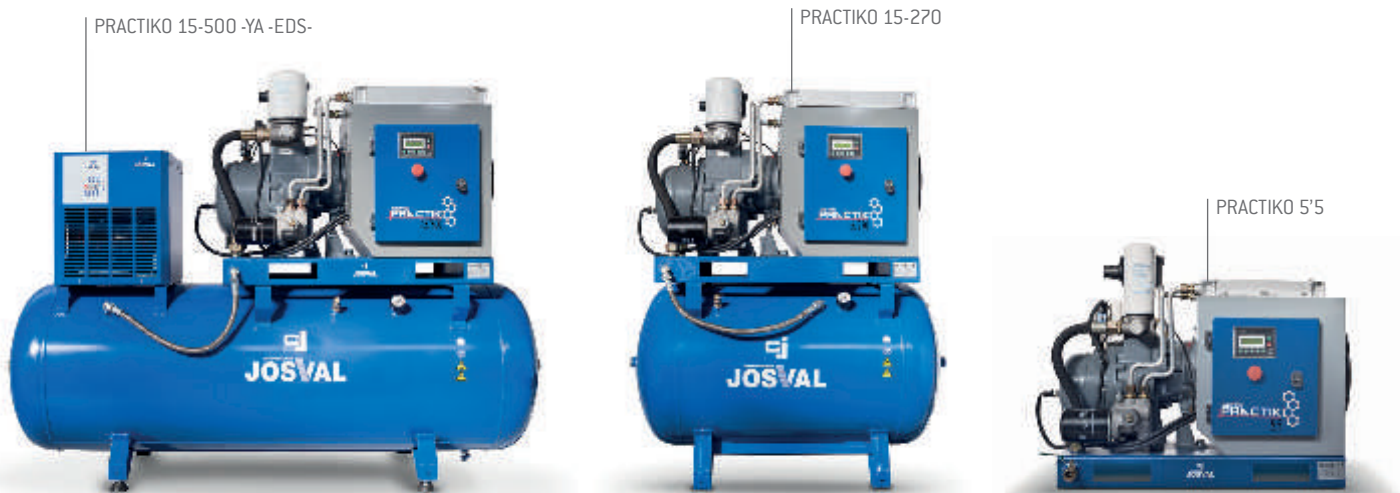
## Features

- Screw compressor production large, reliable, compact and robust.
- EASY ACCESS. Economic maintenance.
- DIRECT DRIVE system with gears.
- Low R.P.M.
- STAR DELTA START (optional).
- INLET VALVE with solenoid valve.
- Temperature PROBE.
- ELECTRONIC BOARD control which incorporates:
  - Motor protection system integrated (block, shortcircuit, phase sequence, phase failure, voltage unbalance and motor overload).
  - Control relay of direction of rotation.
  - Temperature indicator
- Emergency STOP BUTTON.
- Three versions available: without tank, with tank and with tank and dryer.



**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.



### PRACTIKO SERIES (WITHOUT TANK)



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5210015	PRACTIKO 5,5	5,5	4	-	530	31,8	10	80	3/4"	950x450x770	170
5210011	PRACTIKO 5,5 -YA-	5,5	4	-	530	31,8	10	80	3/4"	950x450x770	170
5220015	PRACTIKO 7,5	7,5	5,5	-	820	49,2	10	80	3/4"	950x450x770	175
5220011	PRACTIKO 7,5 -YA-	7,5	5,5	-	820	49,2	10	80	3/4"	950x450x770	175
5230015	PRACTIKO 10	10	7,5	-	1250	75	10	81	3/4"	1000x540x820	230
5230011	PRACTIKO 10 -YA-	10	7,5	-	1250	75	10	81	3/4"	1000x540x820	230
5250015	PRACTIKO 15	15	11	-	1850	111	10	82	3/4"	1050x540x820	250
5250011	PRACTIKO 15 -YA-	15	11	-	1850	111	10	82	3/4"	1050x540x820	250

\*A: star delta start (Y-Δ)

### PRACTIKO SERIES (WITH TANK)



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	mm	Kg
5210243	PRACTIKO 5,5-270	5,5	4	270	530	31,8	10	80	1/2"	1200x600x1400	250
5210241	PRACTIKO 5,5-270 -YA-	5,5	4	270	530	31,8	10	80	1/2"	1200x600x1400	250
5220243	PRACTIKO 7,5-270	7,5	5,5	270	820	49,2	10	80	1/2"	1200x600x1400	255
5220241	PRACTIKO 7,5-270 -YA-	7,5	5,5	270	820	49,2	10	80	1/2"	1200x600x1400	255
5230243	PRACTIKO 10-270	10	7,5	270	1250	75	10	81	1/2"	1200x600x1450	310
5230241	PRACTIKO 10-270 -YA-	10	7,5	270	1250	75	10	81	1/2"	1200x600x1450	310
5250243	PRACTIKO 15-270	15	11	270	1850	111	10	82	1/2"	1200x600x1450	330
5250241	PRACTIKO 15-270 -YA-	15	11	270	1850	111	10	82	1/2"	1200x600x1450	330

\*A: star delta start (Y-Δ)

### PRACTIKO SERIES (WITH TANK AND DRYER)



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	mm	Kg
5210219	PRACTIKO 5,5-500 -EDS-	5,5	4	500	530	31,8	10	80	1/2"	1930x600x1400	310
5210211	PRACTIKO 5,5-500 -YA- -EDS-	5,5	4	500	530	31,8	10	80	1/2"	1930x600x1400	310
5220219	PRACTIKO 7,5-500 -EDS-	7,5	5,5	500	820	49,2	10	80	1/2"	1930x600x1400	315
5220211	PRACTIKO 7,5-500 -YA- -EDS-	7,5	5,5	500	820	49,2	10	80	1/2"	1930x600x1400	315
5230219	PRACTIKO 10-500 -EDS-	10	7,5	500	1250	75	10	81	1/2"	1930x600x1450	370
5230211	PRACTIKO 10-500 -YA- -EDS-	10	7,5	500	1250	75	10	81	1/2"	1930x600x1450	370
5250219	PRACTIKO 15-500 -EDS-	15	11	500	1850	111	10	82	1/2"	1930x600x1450	390
5250211	PRACTIKO 15-500 -YA- -EDS-	15	11	500	1850	111	10	82	1/2"	1930x600x1450	390

\*A: star delta start (Y-Δ)

**PRACTIKO DUO SERIES - SAME POWER SCREW UNITS**



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5210302	PRACTIKO DUO 5,5-500	2x5,5	2x4	500	2x530	2x31,8	10	80	1/2"	1930x600x1400	465
5210304	PRACTIKO DUO 5,5-500 -YA-	2x5,5	2x4	500	2x530	2x31,8	10	80	1/2"	1930x600x1400	465
5210402	PRACTIKO DUO 5,5-1000	2x5,5	2x4	1000	2x530	2x31,8	10	80	1 1/4"	2150x820x1650	570
5210404	PRACTIKO DUO 5,5-1000 -YA-	2x5,5	2x4	1000	2x530	2x31,8	10	80	1 1/4"	2150x820x1650	570
5220312	PRACTIKO DUO 7,5-500	2x7,5	2x5,5	500	2x820	2x49,2	10	80	1/2"	1930x600x1400	475
5220314	PRACTIKO DUO 7,5-500 -YA-	2x7,5	2x5,5	500	2x820	2x49,2	10	80	1/2"	1930x600x1400	475
5220412	PRACTIKO DUO 7,5-1000	2x7,5	2x5,5	1000	2x820	2x49,2	10	80	1 1/4"	2150x820x1650	580
5220414	PRACTIKO DUO 7,5-1000 -YA-	2x7,5	2x5,5	1000	2x820	2x49,2	10	80	1 1/4"	2150x820x1650	580
5230422	PRACTIKO DUO 10-1000	2x10	2x7,5	1000	2x1250	2x75	10	81	1 1/4"	2150x820x1650	690
5230424	PRACTIKO DUO 10-1000 -YA-	2x10	2x7,5	1000	2x1250	2x75	10	81	1 1/4"	2150x820x1650	690
5250432	PRACTIKO DUO 15-1000	2x15	2x11	1000	2x1850	2x111	10	82	1 1/4"	2150x820x1650	730
5250434	PRACTIKO DUO 15-1000 -YA-	2x15	2x11	1000	2x1850	2x111	10	82	1 1/4"	2150x820x1650	730

YA: star delta start (Y-Δ)

**PRACTIKO VERSO SERIES - DIFFERENT POWER SCREW UNITS**



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5210312	PRACTIKO VERSO 5,5+7,5-500	5,5+7,5	4+5,5	500	530+820	31,8+49,2	10	80	1/2"	1930x600x1400	470
5210314	PRACTIKO VERSO 5,5+7,5-500 -YA-	5,5+7,5	4+5,5	500	530+820	31,8+49,2	10	80	1/2"	1930x600x1400	470
5210412	PRACTIKO VERSO 5,5+7,5-1000	5,5+7,5	4+5,5	1000	530+820	31,8+49,2	10	80	1 1/4"	2150x820x1650	585
5210414	PRACTIKO VERSO 5,5+7,5-1000 -YA-	5,5+7,5	4+5,5	1000	530+820	31,8+49,2	10	80	1 1/4"	2150x820x1650	585
5210322	PRACTIKO VERSO 5,5+10-500	5,5+10	4+7,5	500	530+1250	31,8+75	10	81	1/2"	1930x600x1400	525
5210324	PRACTIKO VERSO 5,5+10-500 -YA-	5,5+10	4+7,5	500	530+1250	31,8+75	10	81	1/2"	1930x600x1400	525
5210422	PRACTIKO VERSO 5,5+10-1000	5,5+10	4+7,5	1000	530+1250	31,8+75	10	81	1 1/4"	2150x820x1650	630
5210424	PRACTIKO VERSO 5,5+10-1000 -YA-	5,5+10	4+7,5	1000	530+1250	31,8+75	10	81	1 1/4"	2150x820x1650	630
5220322	PRACTIKO VERSO 7,5+10-500	7,5+10	5,5+7,5	500	820+1250	49,2+75	10	81	1/2"	1930x600x1400	530
5220324	PRACTIKO VERSO 7,5+10-500 -YA-	7,5+10	5,5+7,5	500	820+1250	49,2+75	10	81	1/2"	1930x600x1400	530
5220422	PRACTIKO VERSO 7,5+10-1000	7,5+10	5,5+7,5	1000	820+1250	49,2+75	10	81	1 1/4"	2150x820x1650	635
5220424	PRACTIKO VERSO 7,5+10-1000 -YA-	7,5+10	5,5+7,5	1000	820+1250	49,2+75	10	81	1 1/4"	2150x820x1650	635
5210432	PRACTIKO VERSO 5,5+15-1000	5,5+15	4+11	1000	530+1850	31,8+111	10	82	1 1/4"	2150x820x1650	650
5210434	PRACTIKO VERSO 5,5+15-1000 -YA-	5,5+15	4+11	1000	530+1850	31,8+111	10	82	1 1/4"	2150x820x1650	650
5220432	PRACTIKO VERSO 7,5+15-1000	7,5+15	5,5+11	1000	820+1850	49,2+111	10	82	1 1/4"	2150x820x1650	655
5220434	PRACTIKO VERSO 7,5+15-1000 -YA-	7,5+15	5,5+11	1000	820+1850	49,2+111	10	82	1 1/4"	2150x820x1650	655
5230432	PRACTIKO VERSO 10+15-1000	10+15	7,5+11	1000	1250+1850	75+111	10	82	1 1/4"	2150x820x1650	710
5230434	PRACTIKO VERSO 10+15-1000 -YA-	10+15	7,5+11	1000	1250+1850	75+111	10	82	1 1/4"	2150x820x1650	710

YA: star delta start (Y-Δ)



The smart choice: **DUO & VERSO series**



PRACTIKO DUO 15-1000 -YA-

Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.

**AVAILABILITY OF SPECIAL ANTIDUST FILTERS** (quarries, cement, etc.).

See price depending on model.



# TECONROT

series

The TECONROT series integrates all of the necessary equipment for a screw compressor such as a tank and refrigerant dryer. All components are connected in a compact manner.

This makes it ready to be installed by the user, without the need for technical staff installation.



**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## Features

- Screw compressor, compact and quiet.
- DIRECT DRIVE system.
- STAR DELTA START.
- ELECTRONIC BOARD control which manages:
  - Work pressure.
  - Work/load hours.
  - Load/idle state.
  - Oil temperature.
- Emergency STOP BUTTON.
- Built-in refrigerant DRYER low-consumption.
- Integrated AIR TANK.



Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.

### AVAILABILITY OF SPECIAL ANTIDUST FILTERS (quarries, cement, etc.).

See price depending on model.



## TECONROT SERIES



Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	LxWxH mm	Kg
5210247	TECONROT 5-270 -YA-	5,5	4	270	460	27,6	10	63	1/2"	1200x600x1500	185
5220247	TECONROT 7-270 -YA-	7,5	5,5	270	705	42,3	10	68	1/2"	1200x600x1500	211
5230217	TECONROT 10-500 -YA-	10	7,5	500	1050	63	10	67	1/2"	2000x600x1500	279

YA: star delta start (Y-Δ)



# SILENTIUM

series

Rotary screw compressors of the SILENTIUM series have been designed to meet the requirements of maximum efficiency and reliability by minimizing maintenance costs.

Compact sized, SILENTIUM series are aimed at small and medium enterprises where the air consumption is continuous and need a low noise level.

Also, they stand out for their ease of installation and use.

Tanks are manufactured according to EU directives 2009/105/EC and 97/23/EC.

**AVAILABILITY OF SPECIAL ANTIDUST FILTERS** (quarries, cement, etc.).

See price depending on model.



**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## Features

- Screw compressor, compact and soundproofed.
- EASY ACCESS. Economic maintenance.
- BELT DRIVE system.
- Electric MOTOR IE3 high-performance, low-power.
- Low R.P.M.
- STAR DELTA START (from 7,5 HP on).
- INLET VALVE with solenoid valve.
- Temperature PROBE.
- ELECTRONIC BOARD (from 7,5 HP on) control which incorporates:
  - Motor protection system integrated (block, shortcircuit, phase sequence, phase failure, voltage unbalance and motor overload).
  - Control menu: start, stop operation.
  - MULTICONTROL function (up to 16 compressors).
  - Control relay of direction of rotation.
  - Temperature indicator.
  - Remote/local control.
  - Language selection (Spanish/English).
- Emergency STOP BUTTON.
- Three versions available: without tank, with tank and with tank and dryer.



### SILENTIUM SERIES (WITHOUT TANK)

Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	LxWxH mm	Kg
5198053	SILENTIUM 3	3	2,2	-	290	17,4	10	58	½"	580x480x760	87
5218053	SILENTIUM 5,5	5,5	4	-	485	29,1	10	60	½"	580x480x760	94
5228055	SILENTIUM 7,5 -YA-	7,5	5,5	-	750	45	10	63	¾"	750x750x900	190
5238055	SILENTIUM 10 -YA-	10	7,5	-	1020	61,2	10	65	¾"	750x750x900	220
5258055	SILENTIUM 15 -YA-	15	11	-	1400	84	10	68	1"	830x880x1030	260
5268055	SILENTIUM 20 -YA-	20	15	-	1820	109,2	10	70	1"	830x880x1030	290

### SILENTIUM SERIES (WITH TANK)

Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	mm	Kg
5198153	SILENTIUM 3-150	3	2,2	150	290	17,4	10	58	½"	950x520x1380	129
5218153	SILENTIUM 5,5-150	5,5	4	150	485	29,1	10	60	½"	950x520x1380	136
5228275	SILENTIUM 7,5-270 -YA-	7,5	5,5	270	750	45	10	63	½"	1200x750x1530	270
5238275	SILENTIUM 10-270 -YA-	10	7,5	270	1020	61,2	10	65	½"	1200x750x1530	300
5258275	SILENTIUM 15-270 -YA-	15	11	270	1400	84	10	68	½"	1200x880x1660	340
5258501	SILENTIUM 15-500 -YA-	15	11	500	1400	84	10	68	½"	1930x880x1660	400
5268275	SILENTIUM 20-270 -YA-	20	15	270	1820	109,2	10	70	½"	1200x880x1660	370
5268501	SILENTIUM 20-500 -YA-	20	15	500	1820	109,2	10	70	½"	1930x880x1660	430

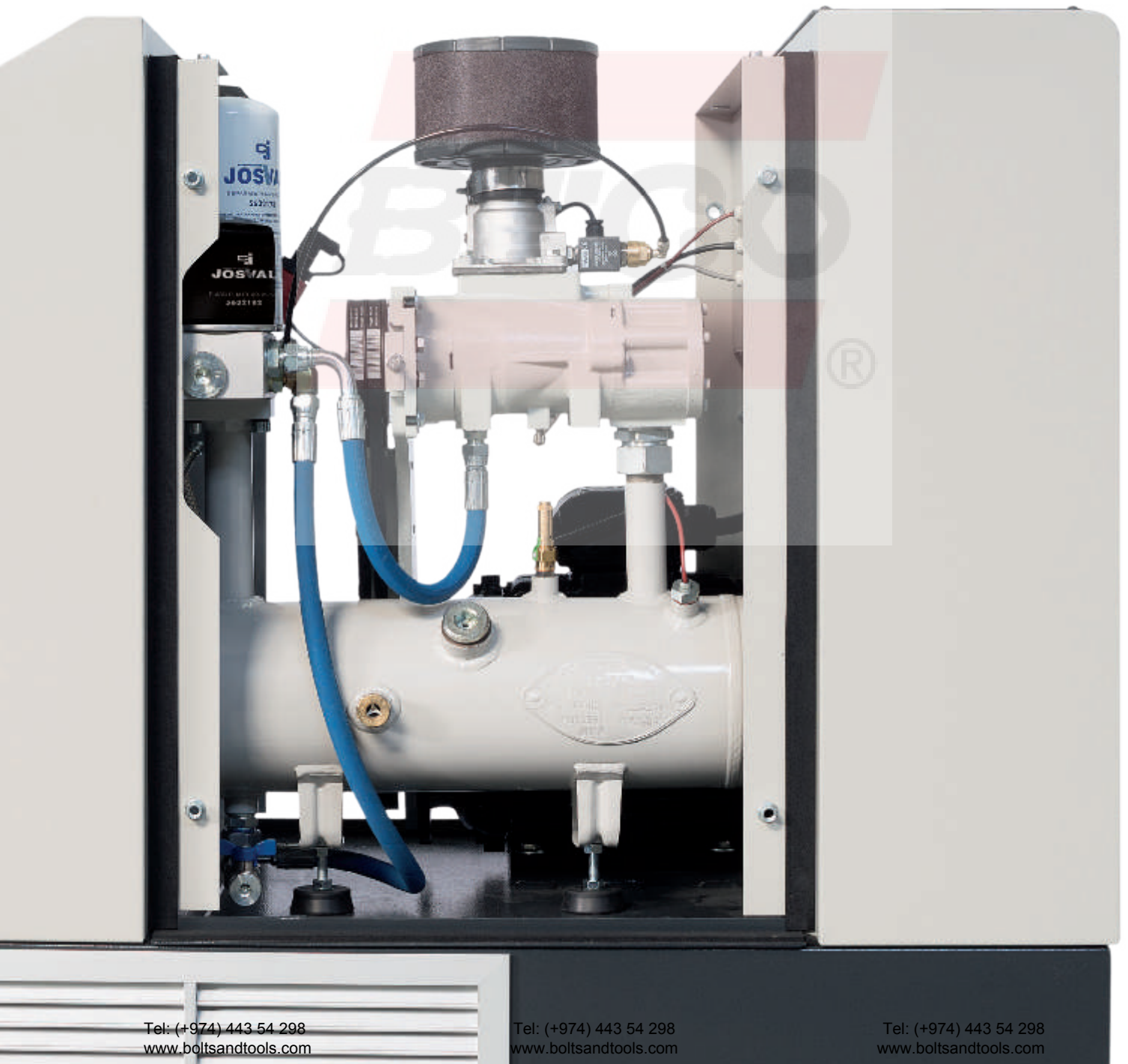
### SILENTIUM SERIES (WITH TANK AND DRYER)

Code	Model	HP	Kw	Lts	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	mm	Kg
5198205	SILENTIUM 3-200 -EDS-	3	2,2	200	290	17,4	10	58	½"	1380x500x1320	166
5218205	SILENTIUM 5,5-200 -EDS-	5,5	4	200	485	29,1	10	60	½"	1380x500x1320	173
5228505	SILENTIUM 7,5-500 -YA- -EDS-	7,5	5,5	500	750	45	10	63	½"	1930x750x1530	360
5238505	SILENTIUM 10-500 -YA- -EDS-	10	7,5	500	1020	61,2	10	65	½"	1930x750x1530	390
5258505	SILENTIUM 15-500 -YA- -EDS-	15	11	500	1400	84	10	68	½"	1930x880x1660	430
5268505	SILENTIUM 20-500 -YA- -EDS-	20	15	500	1820	109,2	10	70	¾"	1930x880x1660	470

# MISTRAL

series

With a range of powers from 7,5 up to 60 HP, the screw compressors of the MISTRAL series are the smart solution to any company's need for compressed air.





Rotary compressors of the MISTRAL series, incorporate an air end of one stage with asymmetric screws mounted on bearings. Its operation is carried out by a three phase electric motor with asynchronous protection IP 55, energy saving IE2, F isolated, through V-belts. This transmission system offers high reliability and low noise level.



The control panel, governed by the electronic display, informs you about status of the compressor (operating temperature, hours of work, maintenance interval, existing pressure, mode of operation, etc.) and start/stop functions.



## Features

- Large compressor production, reliable, compact and robust.
- QUICK AND EASY ACCESS. Economic maintenance.
- BELT DRIVE system.
- Electric MOTOR IE3 high-performance (depending on model), low-power and service S1.
- SOFT STARTER (optional).
- INVERTER (optional).
- ELECTRONIC BOARD control which incorporates:
  - Start and stop button pads.
  - MULTICONTROL function up to 16 compressors (depending on model).
  - Programming button pads.
  - On/off light indicator.
  - Maintenance indicator.
  - Temperature indicator.



### AVAILABILITY OF SPECIAL ANTIDUST FILTERS

(quarries, cement, etc.).

See price depending on model.



Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## STAR DELTA START (Y-Δ)



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5220714	MISTRAL 7,5-A -YA-			950	57	8				
5220715	MISTRAL 7,5-B -YA-	7,5	5,5	790	47,4	10	63	½"	1060x690x1050	232
5220716	MISTRAL 7,5-C -YA-			680	40,8	13				
5230714	MISTRAL 10-A -YA-			1340	80,4	8				
5230715	MISTRAL 10-B -YA-	10	7,5	1150	69	10	65	½"	1060x690x1050	238
5230716	MISTRAL 10-C -YA-			940	56,4	13				
5250714	MISTRAL 15-A -YA-			1810	108,6	8				
5250715	MISTRAL 15-B -YA-	15	11	1560	93,6	10	68	½"	1060x690x1050	256
5250716	MISTRAL 15-C -YA-			1325	79,5	13				
5260724	MISTRAL 20-A -YA-			2570	154,2	8				
5260725	MISTRAL 20-B -YA-	20	15	2375	142,5	10	70	¾"	1310x850x1235	529
5260726	MISTRAL 20-C -YA-			1935	116,1	13				
5270724	MISTRAL 25-A -YA-			3215	192,9	8				
5270725	MISTRAL 25-B -YA-	25	19	3000	180	10	72	¾"	1310x850x1235	538
5270726	MISTRAL 25-C -YA-			2500	150	13				
5300724	MISTRAL 30-A -YA-			3750	225	8				
5300725	MISTRAL 30-B -YA-	30	22	3565	213,9	10	73	¾"	1310x850x1235	567
5300726	MISTRAL 30-C -YA-			2880	172,8	13				
5310734	MISTRAL 40-A -YA-			5295	317,7	8				
5310735	MISTRAL 40-B -YA-	40	30	4385	263,1	10	74	1"	1530x900x1305	692
5310736	MISTRAL 40-C -YA-			3850	231	13				
5320744	MISTRAL 50-A -YA-			6430	385,8	8				
5320745	MISTRAL 50-B -YA-	50	37	5610	336,6	10	75	1"	1530x900x1305	715
5320746	MISTRAL 50-C -YA-			4750	285	13				

## SOFT STARTER - AS

System startup by soft-start of the electric motor, provides considerable savings on your electricity consumption by eliminating the peaks of intensity produced in the boot, and in turn, extends the life of the transmission elements of the compressor.

### FEATURES:

- Motor protection system integrated (phase sequence, phase failure, motor overload, etc.).
- Enabling code which allows locking the equipment up for handling.
- Local/remote monitoring (power range, amperage, etc.).
- Report of system performance (failures, alarms, etc.).

### BENEFITS:

- Soft starter devices provide low mechanical stress without sudden stops.
- Electricity rate reduction.



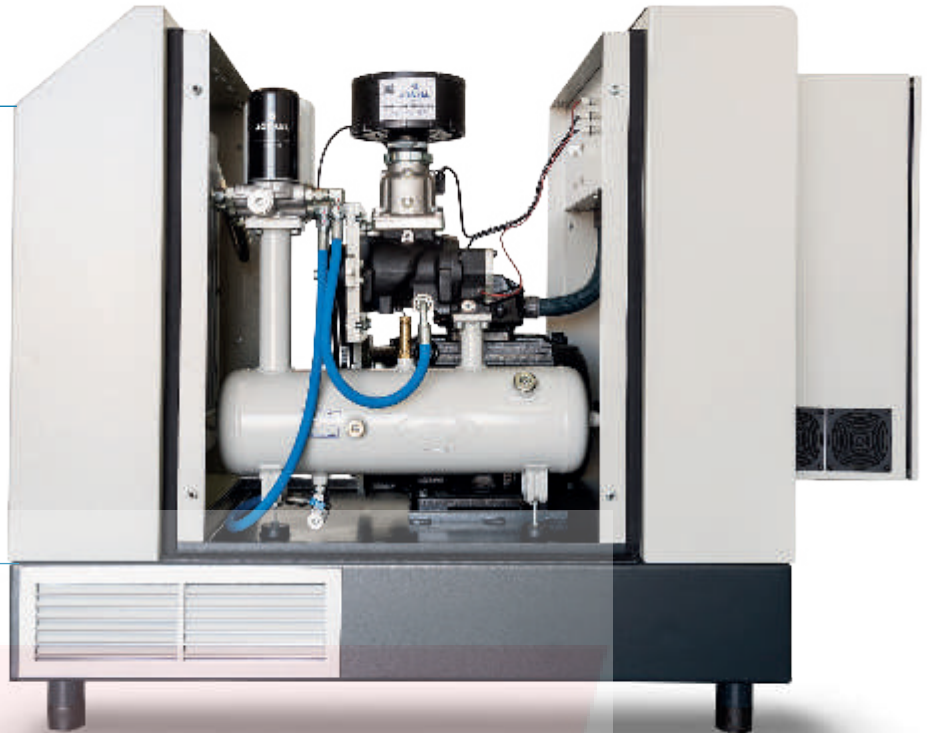
## SOFT STARTER - AS



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	LxWxH mm	Kg
5220814	MISTRAL 7,5-A -AS-			950	57	8				
5220815	MISTRAL 7,5-B -AS-	7,5	5,5	790	47,4	10	63	1/2"	1060x690x1050	232
5220816	MISTRAL 7,5-C -AS-			680	40,8	13				
5230814	MISTRAL 10-A -AS-			1340	80,4	8				
5230815	MISTRAL 10-B -AS-	10	7,5	1150	69	10	65	1/2"	1060x690x1050	238
5230816	MISTRAL 10-C -AS-			940	56,4	13				
5250814	MISTRAL 15-A -AS-			1810	108,6	8				
5250815	MISTRAL 15-B -AS-	15	11	1560	93,6	10	68	1/2"	1060x690x1050	256
5250816	MISTRAL 15-C -AS-			1325	79,5	13				
5260824	MISTRAL 20-A -AS-			2570	154,2	8				
5260825	MISTRAL 20-B -AS-	20	15	2375	142,5	10	70	3/4"	1310x850x1235	529
5260826	MISTRAL 20-C -AS-			1935	116,1	13				
5270824	MISTRAL 25-A -AS-			3215	192,9	8				
5270825	MISTRAL 25-B -AS-	25	19	3000	180	10	72	3/4"	1310x850x1235	538
5270826	MISTRAL 25-C -AS-			2500	150	13				
5300824	MISTRAL 30-A -AS-			3750	225	8				
5300825	MISTRAL 30-B -AS-	30	22	3565	213,9	10	73	3/4"	1310x850x1235	567
5300826	MISTRAL 30-C -AS-			2880	172,8	13				
5310834	MISTRAL 40-A -AS-			5295	317,7	8				
5310835	MISTRAL 40-B -AS-	40	30	4385	263,1	10	74	1"	1530x900x1305	692
5310836	MISTRAL 40-C -AS-			3850	231	13				
5320844	MISTRAL 50-A -AS-			6430	385,8	8				
5320845	MISTRAL 50-B -AS-	50	37	5610	336,6	10	75	1"	1530x900x1305	715
5320846	MISTRAL 50-C -AS-			4750	285	13				
5330844	MISTRAL 60-A -AS-			7500	450	8				
5330845	MISTRAL 60-B -AS-	60	45	6805	408,3	10	77	1 1/2"	1600x900x1305	740
5330846	MISTRAL 60-C -AS-			6150	369	13				



Always thinking of facilitating the work of the maintenance technicians, this canopy system is quickly and easily removable, thus giving simple, comfortable and complete access to all the elements of the compressor. All connections that circulate the air and oil are made with oversized piping systems. Its closure nuts get a bevel adjustment and perfect hermeticity.



In case of complete installation of a compressor with air treatment, you will need a MISTRAL compressor, air tank, refrigeration dryer series EDS with by-pass and particle separator filter series FEP.

MISTRAL SET - AS



Code	Model
5226895	MISTRAL Set 7,5-B -AS- + Vertical tank 270 liters 11 bar + Dryer EDS-900 + Filter FEP-1200 + (2x) Connection hoses
5236895	MISTRAL Set 10-B -AS- + Vertical tank 270 liters 11 bar + Dryer EDS-1800 + Filter FEP-1200 + (2x) Connection hoses
5256815	MISTRAL Set 15-B -AS- + Vertical tank 500 liters 11 bar + Dryer EDS-1800 + Filter FEP-1800 + (2x) Connection hoses
5266815	MISTRAL Set 20-B -AS- + Vertical tank 500 liters 11 bar + Dryer EDS-2400 + Filter FEP-3000 + (2x) Connection hoses
5276815	MISTRAL Set 25-B -AS- + Vertical tank 500 liters 11 bar + Dryer EDS-3000 + Filter FEP-3000 + (2x) Connection hoses
5306855	MISTRAL Set 30-B -AS- + Vertical tank 1000 liters 11 bar + Dryer EDS-4700 + Filter FEP-3400 + (2x) Connection hoses
5316855	MISTRAL Set 40-B -AS- + Vertical tank 1000 liters 11 bar + Dryer EDS-4700 + Filter FEP-5000 + (2x) Connection hoses
5326855	MISTRAL Set 50-B -AS- + Vertical tank 1000 liters 11 bar + Dryer EDS-5700 + Filter FEP-7200 + (2x) Connection hoses
5336865	MISTRAL Set 60-B -AS- + Vertical tank 2000 liters 11 bar + Dryer EDS-8000 + Filter FEP-7200 + (2x) Connection hoses

**FEATURES:**

- Motor protection system integrated (phase sequence, phase failure, motor overload, etc.).
- RFI suppression filter.
- Reduction of harmonic disturbances in networks up to 30%.
- Enabling code which allows locking the equipment up for handling.
- Local/remote monitoring (power range, amperage, etc.).
- Report of system performance (failures, alarms, etc.).

**BENEFITS:**

- Energy saving by matching the compressor output to the pressure demand.
- Inverter devices provide low mechanical stress without sudden stops.
- Electricity rate reduction.

**INVERTER - VV**

Controlled through an electronic board, INVERTERS devices allow to modulate power that is supplied to the engine. They allow progressive soft starting without breaks. You will get great savings of electricity consumption by making the engine vary your workload on the basis of the actual demand of air in each moment.



**INVERTER**



Code	Model	HP	Kw	l/m (max-min)	m <sup>3</sup> /h (max-min)	bar	dB [A]	BSP	LxWxH mm	Kg
5220914	MISTRAL 7,5-A -VV-			950-428	57-25,7	8				
5220915	MISTRAL 7,5-B -VV-	7,5	5,5	790-356	47,4-21,4	10	63	1/2"	1060x690x1050	232
5220916	MISTRAL 7,5-C -VV-			680-306	40,8-18,4	13				
5230914	MISTRAL 10-A -VV-			1340-603	80,4-36,2	8				
5230915	MISTRAL 10-B -VV-	10	7,5	1150-518	69-31,1	10	65	1/2"	1060x690x1050	238
5230916	MISTRAL 10-C -VV-			940-423	56,4-25,4	13				
5250914	MISTRAL 15-A -VV-			1810-815	108,6-48,9	8				
5250915	MISTRAL 15-B -VV-	15	11	1560-702	93,6-42,1	10	68	1/2"	1060x690x1050	256
5250916	MISTRAL 15-C -VV-			1325-596	79,5-35,8	13				
5260924	MISTRAL 20-A -VV-			2570-1157	154,2-69,4	8				
5260925	MISTRAL 20-B -VV-	20	15	2375-1069	142,5-64,1	10	70	3/4"	1310x850x1235	529
5260926	MISTRAL 20-C -VV-			1935-871	116,1-52,3	13				
5270924	MISTRAL 25-A -VV-			3215-1447	192,9-86,8	8				
5270925	MISTRAL 25-B -VV-	25	19	3000-1350	180-81	10	72	3/4"	1310x850x1235	538
5270926	MISTRAL 25-C -VV-			2500-1125	150-67,5	13				
5300924	MISTRAL 30-A -VV-			3750-1688	225-101,3	8				
5300925	MISTRAL 30-B -VV-	30	22	3565-1604	213,9-96,2	10	73	3/4"	1310x850x1235	567
5300926	MISTRAL 30-C -VV-			2880-1296	172,8-77,8	13				
5310934	MISTRAL 40-A -VV-			5295-2383	317,7-143	8				
5310935	MISTRAL 40-B -VV-	40	30	4385-1973	263,1-118,4	10	74	1"	1530x900x1305	692
5310936	MISTRAL 40-C -VV-			3850-1733	231-104	13				
5320944	MISTRAL 50-A -VV-			6430-2894	385,8-173,6	8				
5320945	MISTRAL 50-B -VV-	50	37	5610-2525	336,6-151,5	10	75	1"	1530x900x1305	715
5320946	MISTRAL 50-C -VV-			4750-2138	285-128,3	13				
5330944	MISTRAL 60-A -VV-			7500-3375	450-202,5	8				
5330945	MISTRAL 60-B -VV-	60	45	6805-3062	408,3-183,7	10	77	1 1/2"	1600x900x1305	740
5330946	MISTRAL 60-C -VV-			6150-2768	369-166,1	13				

For companies who use air, variable air consumption rates make it necessary to adapt the load time of the compressor to the real demands of air usage at each moment. To this end, JOSVAL equips your MISTRAL-VV series with an INVERTER which corrects the revolutions of the electric motor, getting the compressor to generate only the air that is necessary to supply the working points.

# GRAFENO QUARTZ

series

GRAFENO QUARTZ series combine the main advantages of the GRAFENO DIAMOND original series, the most efficient of the market. GRAFENO QUARTZ series minimize the costs giving up the acquisition of added extras which do not affect the performance of the machine while keeping the same quality.

With a range that goes from 30 HP to 150 HP, their models are available in both 8 and 10 bar.



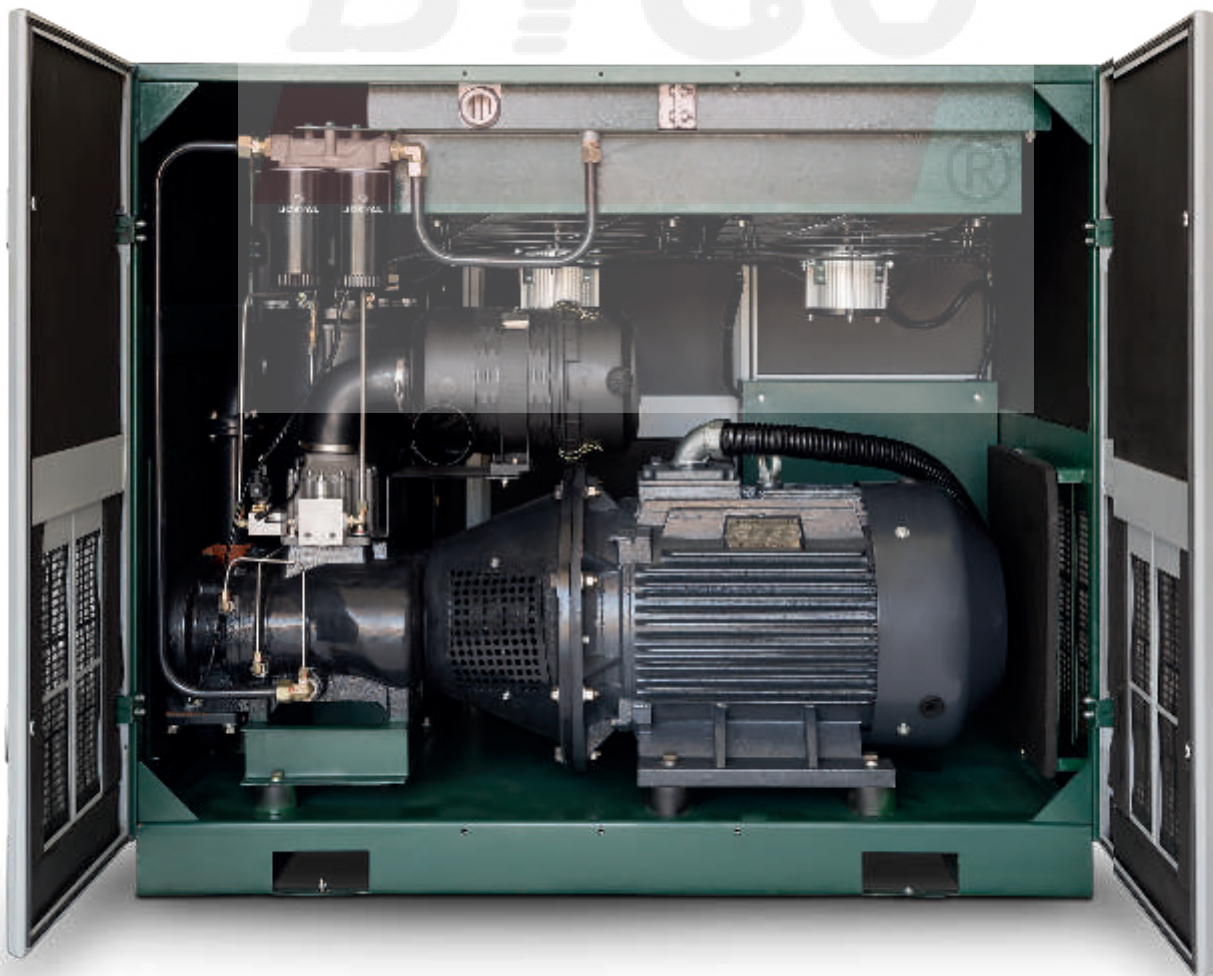
**Caudal de aire** según norma ISO 1217.

**Nivel sonoro** según código de pruebas CAGI-PNEUROP, medición al aire libre, a 1 m de distancia.



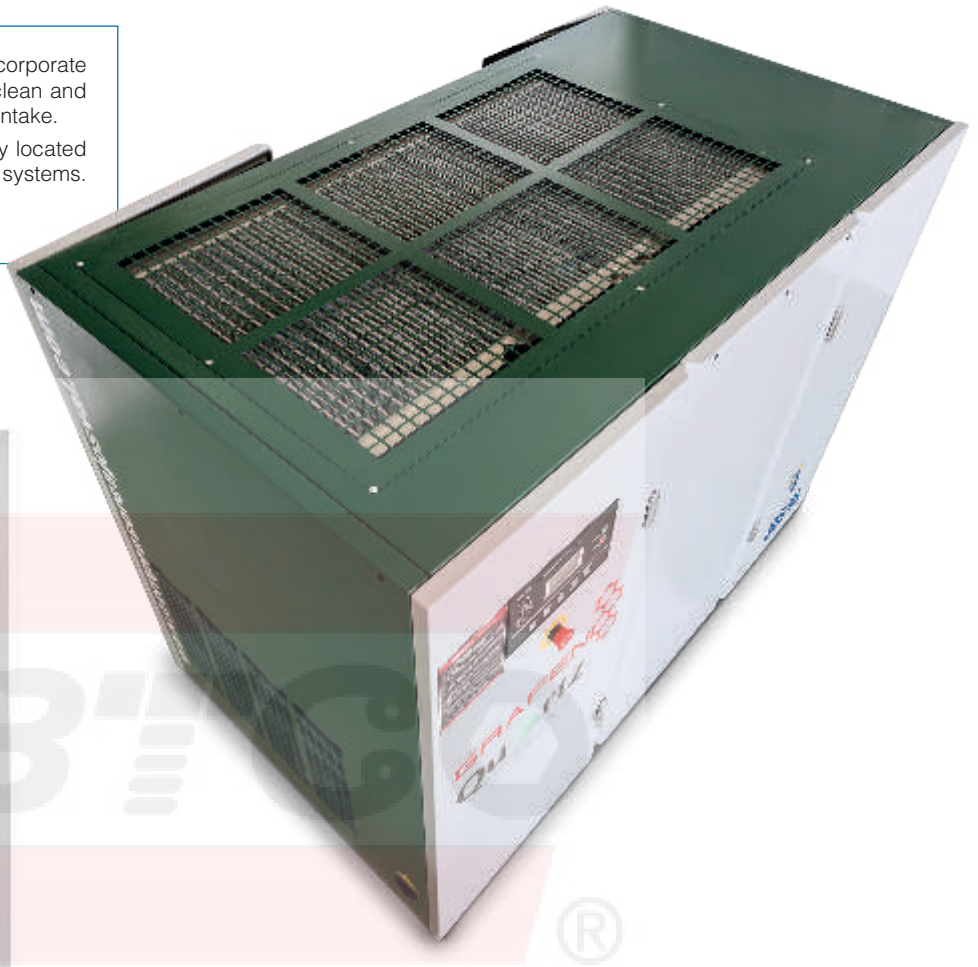
## Features

- Screw compressor, reliable, compact and robust.
- Last generation AIREND profile with 5:6.
- DIRECT DRIVE system, without gears or belts.
- Electric MOTOR IE3 high-performance, low-power.
- Low NOISE LEVEL.
- ANTI-DUST filter.
- MULTICONTROL function integrated (up to 16 compressors). (1)
- QUICK AND EASY ACCESS. Economic maintenance. (2)
- INVERTER (optional). Variable speed versions available. (3)



GRAFENO QUARTZ compressors incorporate air pre-filters that keep the enclosure clean and ensure the highest efficiency of the air intake.

The warm air exhaust system is smartly located for an easy adaptation of heat recovery systems.



## GRAFENO QUARTZ SERIES

### STAR DELTA START (Y-Δ)



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5308754	GRAFENO QUARTZ 30-A -YA-	30	22	3400	204	8	70	1"	1220x790x1060	460
5308755	GRAFENO QUARTZ 30-B -YA-			3000	180	10				
5328754	GRAFENO QUARTZ 50-A -YA-	50	37	6400	384	8	70	1 ¼"	1400x890x1150	660
5328755	GRAFENO QUARTZ 50-B -YA-			5500	330	10				
5338754	GRAFENO QUARTZ 60-A -YA-	60	45	7200	432	8	70	1 ½"	1680x980x1330	1.000
5338755	GRAFENO QUARTZ 60-B -YA-			6600	396	10				
5348754	GRAFENO QUARTZ 75-A -YA-	75	55	10000	600	8	70	1 ½"	1680x980x1330	1.120
5348755	GRAFENO QUARTZ 75-B -YA-			8500	510	10				
5358754	GRAFENO QUARTZ 100-A -YA-	100	75	13200	792	8	70	2"	1860x1050x1490	1.350
5358755	GRAFENO QUARTZ 100-B -YA-			10900	654	10				
5508754	GRAFENO QUARTZ 125-A -YA-	125	90	15200	912	8	72	2 ½"	2330x1290x1640	2.100
5518754	GRAFENO QUARTZ 150-A -YA-	150	110	20100	1206	8	75	2 ½"	2330x1290x1640	2.330
5518755	GRAFENO QUARTZ 150-B -YA-			17500	1050	10				

## INVERTER - VV

Variable speed drives are devices controlled by an electronic board that modulates the energy the electric motor receives. They allow soft starts, easing mechanical stress and also easing the high inrush currents which can be experienced by starting a motor under load. They get big power consumption savings by making the electric motor vary its workload in function of the air demand.

MISTRAL models equipped with variable speed drive incorporate as standard the DUAL PLUG system (INVERTER + STAR DELTA START).



DUAL PLUG system

### FEATURES:

- Motor protection system integrated (phase sequence, phase failure, motor overload, etc.).
- RFI suppression filter.
- Reduction of harmonic disturbances in networks up to 30%.
- Enabling code which allows locking the equipment up for handling.
- Local/remote monitoring (power range, amperage, etc.).
- Report of system performance (failures, alarms, etc.).

### BENEFITS:

- Energy saving by matching the compressor output to the pressure demand.
- Inverter devices provide low mechanical stress without sudden stops.
- Electricity rate reduction.



## GRAFENO QUARTZ SERIES INVERTER



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB [A]	BSP	LxWxH mm	Kg
5308954	GRAFENO QUARTZ 30-A -VV-	30	22	3400-1800	204-108	8	70	1"	1220x790x1060	460
5308955	GRAFENO QUARTZ 30-B -VV-			3000-1800	180-108	10				
5328954	GRAFENO QUARTZ 50-A -VV-	50	37	6400-2900	384-174	8	70	1 1/4"	1400x890x1150	660
5328955	GRAFENO QUARTZ 50-B -VV-			5500-2700	330-162	10				
5338954	GRAFENO QUARTZ 60-A -VV-	60	45	7200-3200	432-192	8	70	1 1/2"	1680x980x1330	1.000
5338955	GRAFENO QUARTZ 60-B -VV-			6600-3100	396-186	10				
5348954	GRAFENO QUARTZ 75-A -VV-	75	55	10000-4100	600-246	8	70	1 1/2"	1680x980x1330	1.120
5348955	GRAFENO QUARTZ 75-B -VV-			8500-4100	510-246	10				
5358954	GRAFENO QUARTZ 100-A -VV-	100	75	13200-5900	792-354	8	70	2"	1860x1050x1490	1.350
5358955	GRAFENO QUARTZ 100-B -VV-			10900-5900	654-354	10				
5508954	GRAFENO QUARTZ 125-A -VV-	125	90	15200-7600	912-456	8	72	2 1/2"	2330x1290x1640	2.100
5518954	GRAFENO QUARTZ 150-A -VV-	150	110	20100-9200	1206-552	8	75	2 1/2"	2330x1290x1640	2.330
5518955	GRAFENO QUARTZ 150-B -VV-			17500-9200	1050-552	10				



# GRAFENO DIAMOND

series

Screw compressors are designed and built to deliver high flow rates, maximum efficiency, robustness and reliability.

Each component of the compressors in the GRAFENO DIAMOND series has been specifically designed and tested to ensure maximum quality and performance, as well as to ensure easy maintenance.

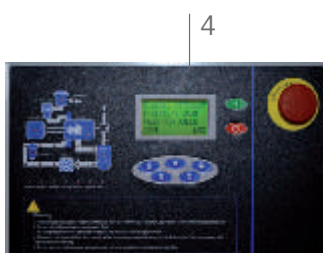
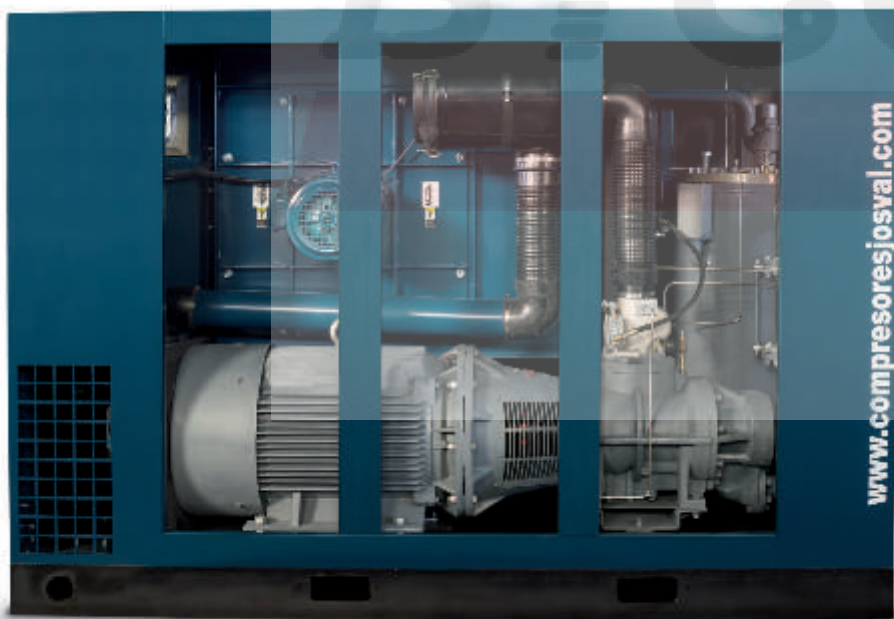
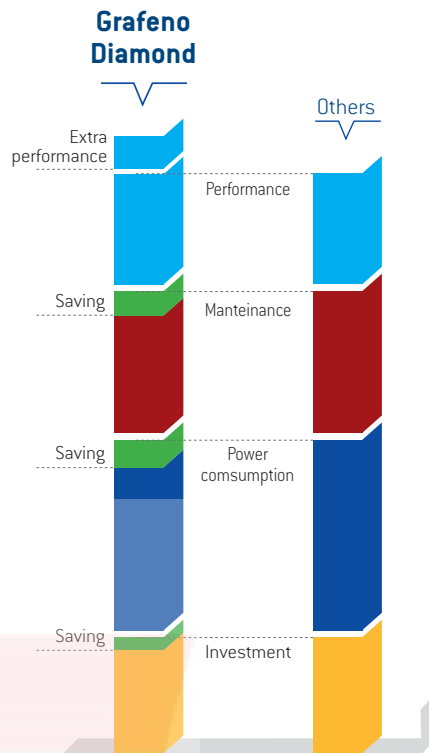


Caudal de aire según norma ISO 1217.

Nivel sonoro según código de pruebas CAGI-PNEURO, medición al aire libre, a 1 m de distancia.

## Features

- Last generation screw AIREND, profile with 5:6 (designed in USA). (1)
- DIRECT DRIVE system, without gears or belts.
- Electric MOTOR low power consumption and high efficiency. (2)
- OPTIMA+ SOUNDPROOFING.
- CONTINUOUS SYSTEM AIR/OIL SEPARATOR controlled electronically. (3)
- MULTICONTROL function integrated (up to 16 compressors). (4)
- Silent COOLING system and efficient FILTRATION. (5)
- EASY ACCESS and economic maintenance.
- INVERTER (optional). Variable speed versions available.





**GRAFENO DIAMOND SERIES**

STAR DELTA START (Y-Δ)



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5347754	GRAFENO DIAMOND 75-A -YA-			10000	600	8				
5347755	GRAFENO DIAMOND 75-B -YA-	75	55	8770	526,2	10	70	1 1/2"	2580x1210x1510	1.800
5347756	GRAFENO DIAMOND 75-C -YA-			6340	380,4	13				
5357104	GRAFENO DIAMOND 100-A -YA-			14180	850,8	8				
5357105	GRAFENO DIAMOND 100-B -YA-	100	75	12020	721,2	10	72	DN65	2990x1520x1850	2.500
5357106	GRAFENO DIAMOND 100-C -YA-			9800	588	13				
5507124	GRAFENO DIAMOND 125-A -YA-			16800	1008	8				
5507125	GRAFENO DIAMOND 125-B -YA-	125	90	14800	888	10	72	2"	2690x1520x1820	2.600
5507126	GRAFENO DIAMOND 125-C -YA-			11900	714	13				
5517154	GRAFENO DIAMOND 150-A -YA-			21550	1293	8				
5517155	GRAFENO DIAMOND 150-B -YA-	150	110	18660	1119,6	10	73	DN65	3110x1690x2070	3.600
5517156	GRAFENO DIAMOND 150-C -YA-			16470	988,2	13				
5527184	GRAFENO DIAMOND 180-A -YA-			24630	1477,8	8				
5527185	GRAFENO DIAMOND 180-B -YA-	180	132	21350	1281	10	73	DN65	3110x1690x2070	3.800
5527186	GRAFENO DIAMOND 180-C -YA-			18470	1108,2	13				
5547224	GRAFENO DIAMOND 220-A -YA-			29350	1761	8				
5547225	GRAFENO DIAMOND 220-B -YA-	220	160	25250	1515	10	75	DN80	3410x1760x2140	4.100
5547226	GRAFENO DIAMOND 220-C -YA-			21120	1267,2	13				
5557254	GRAFENO DIAMOND 250-A -YA-			33560	2013,6	8				
5557255	GRAFENO DIAMOND 250-B -YA-	250	185	29220	1753,2	10	75	DN80	3410x1760x2140	4.250
5557256	GRAFENO DIAMOND 250-C -YA-			25140	1508,4	10				



For companies who use air, variable air consumption rates make it necessary to adapt the load time of the compressor to the real demands of air usage at each moment. To this end, GRAFENO DIAMOND series may be equipped with an INVERTER, which corrects the revolutions of the electric motor getting the compressor to generate only the air that is necessary to supply the working points.



## GRAFENO DIAMOND SERIES INVERTER



Code	Model	HP	Kw	l/m	m <sup>3</sup> /h	bar	dB (A)	BSP	LxWxH mm	Kg
5349754	GRAFENO DIAMOND 75-A -VV-			10000-3800	600-228	8				
5349755	GRAFENO DIAMOND 75-B -VV-	75	55	8770-3160	526,2-189,6	10	70	1 ½"	2580x1210x1510	1.800
5349756	GRAFENO DIAMOND 75-C -VV-			6340-2180	380,4-130,8	13				
5359104	GRAFENO DIAMOND 100-A -VV-			14180-5390	850,8-323,4	8				
5359105	GRAFENO DIAMOND 100-B -VV-	100	75	12020-4330	721,2-259,8	10	72	DN65	2990x1520x1850	2.500
5359106	GRAFENO DIAMOND 100-C -VV-			9800-3370	588-202,2	13				
5509124	GRAFENO DIAMOND 125-A -VV-			16800-6380	1008-382,8	8				
5509125	GRAFENO DIAMOND 125-B -VV-	125	90	14800-5330	888-319,8	10	72	2"	2690x1520x1820	2.600
5509126	GRAFENO DIAMOND 125-C -VV-			11900-4090	714-245,4	13				
5519154	GRAFENO DIAMOND 150-A -VV-			21550-8190	1293-491,4	8				
5519155	GRAFENO DIAMOND 150-B -VV-	150	110	18660-6720	1119,6-403,2	10	73	DN65	3110x1690x2070	3.600
5519156	GRAFENO DIAMOND 150-C -VV-			16470-5670	988,2-340,2	13				
5529184	GRAFENO DIAMOND 180-A -VV-			24630-9360	1477,8-561,6	8				
5529185	GRAFENO DIAMOND 180-B -VV-	180	132	21350-7690	1281-461,4	10	73	DN65	3110x1690x2070	3.800
5529186	GRAFENO DIAMOND 180-C -VV-			18470-6350	1108,2-381	13				
5549224	GRAFENO DIAMOND 220-A -VV-			29350-11150	1761-669	8				
5549225	GRAFENO DIAMOND 220-B -VV-	220	160	25250-9090	1515-545,4	10	75	DN80	3410x1760x2140	4.100
5549226	GRAFENO DIAMOND 220-C -VV-			21120-7270	1267,2-436,2	13				
5559254	GRAFENO DIAMOND 250-A -VV-			33560-12750	2013,6-765	8				
5559255	GRAFENO DIAMOND 250-B -VV-	250	185	29220-10520	1753,2-631,2	10	75	DN80	3410x1760x2140	4.250
5559256	GRAFENO DIAMOND 250-C -VV-			25140-8650	1508,4-519	10				



# Always by your side

On our website you will find all details, photographs and technical info of our products to make your choice easier about JOSVAL range.



# High PRESSURE

There are several applications that require compressed air over 15 bar pressure.

HIGH PRESSURE range incorporates versatile and reliable solutions for markets where product quality is a priority.



THORDÖN \_\_\_\_\_

AQUATIC series \_\_\_\_\_



# THORDÖN

THORDÖN, high POWER with maximum portability.

Reaching 30 bar was reserved for large and expensive equipment. THORDÖN was born due to the need for greater pressure on time and in different locations too.

Extremely light and versatile, it can be used simultaneously both 30 bar and 10 bar, so that it becomes a complete and useful portable compressed air station.

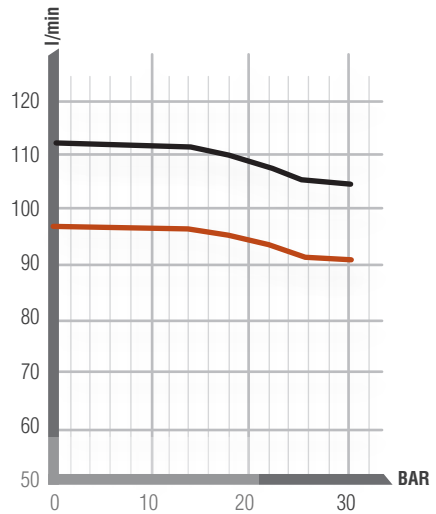


**Air flow** is set according to ISO 1217.

**Noise level** as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

## Features

- Compact, lightweight and PORTABLE.
- Easy transport and handling.
- WITHOUT OIL.
- DIRECT DRIVE.
- Operation at low R.P.M.
- Automatic THERMAL PROTECTION.
- SIMULTANEOUS OPERATION up to 10 bar or high pressure up to 30 bar.
- DOUBLE PRESSURE REDUCER.
- Versatile, up to 4 SIMULTANEOUS CONNECTION (two 10 bar and two 30 bar quick couplers).



Performance curve

- 50 Hz 1400 rpm
- 60 Hz 1750 rpm



COMPRESORES JOSVAL

### SINGLE PHASE



Code	Model	bar	HP	Kw	Lts	l/m	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg
5083037	THORDÖN 130M	30	2,2	1,6	20	130	7,8	1400	72	540x600x830	46

# AQUATIC

series

AQUATIC series breathing air compressors are compact and light-weight. Very easy to use, robust and highly resistant to corrosion, these are specially designed for mining, firefighting, scuba diving, and for clubs or independent divers, for example.



Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.



## Features

- AUTONOMOUS compressor.
- Compact, lightweight and PORTABLE.
- EASY TO USE.
- High-end CORROSION resistant.
- ATL System air purification.
- Breathable air according to regulations: UNE EN 12021:2000 - ANSI/CGA E - Z180.



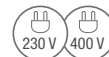
### SINGLE PHASE



Code	Model	bar	HP	Kw	l/min	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg.
5093000	AQUATIC 100M	330	3	2,2	100	6	2100	79	580x410x410	42,5
5093001	AQUATIC 100M/A*	330	3	2,2	100	6	2100	79	580x410x410	42,5

\*A: automatic switch on/off

### THREE PHASE



Code	Model	bar	HP	Kw	l/min	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg.
5203000	AQUATIC 100	330	4	3	100	6	2100	79	580x410x410	42
5203001	AQUATIC 100/A*	330	4	3	100	6	2100	79	580x410x410	42

\*A: automatic switch on/off

#### OTHER MODELS AVAILABLE:

- 225 bar version.
- Double pressure version (two filling devices, 225 and 330 bar).
- Trolley version.



### PETROL

Code	Model	bar	HP	Kw	l/min	m <sup>3</sup> /h	r.p.m.	dB [A]	LxWxH mm	Kg.
5217000	AQUATIC 100G	330	6		100	6	2100	84	580x410x410	42
5217001	AQUATIC 100G/A*	330	6		100	6	2100	84	580x410x410	42

\*A: automatic switch on/off

# AIR treatment

DRYERS

ADSORPTION DRYERS

WATER/OIL  
SEPARATORS

FILTERS

TANKS

AIR PIPELINE SYSTEM



# DRYERS



Refrigeration dryers of the EDELWEISS series represent the optimal solution for those that require the elimination of moisture in a pneumatic system.

They have been designed for maximum reliability and performance, apart from having very good accessibility for easy inspection and maintenance

## EDS SERIES

These dryers should be installed with those compressors which carry a built-in final cooler (BRISA PLUS, MONCAYO, MISTRAL, GRAFENO QUARTZ and GRAFENO DIAMOND series).

## SERIE REDE

These dryers should be installed with those compressors which are not provided with a final cooler (CIERZO, CLASSIC and BRISA series).



## EDELWEISS SERIES

### EDS - REFRIGERATION DRYERS

Code	Model	l/m	m <sup>3</sup> /h	Kw	Vol/Ph/Hz	bar	BSP	LxWxH mm	Kg
5642000	EDS-400	400	24	0,12	230/1/50	16	3/8"	360x305x404	18
5642002	EDS-900	900	54	0,18	230/1/50	16	1/2"	433x370x435	26
5642012	EDS-1800	1800	108	0,20	230/1/50	16	1/2"	433x370x435	26
5642022	EDS-2400	2400	144	0,41	230/1/50	16	3/4"	515x420x555	33
5642032	EDS-3000	3000	180	0,47	230/1/50	16	3/4"	515x420x555	38
5642042	EDS-4700	4666	280	0,60	230/1/50	14	1"	595x485x614	63
5642052	EDS-5700	5666	340	0,60	230/1/50	14	1"	595x485x614	64
5642082	EDS-8000	8000	480	1,24	230/1/50	14	1 1/2"	679x500x980	110
5642112	EDS-11000	11000	660	1,24	230/1/50	14	2"	720x780x1340	120
5642132	EDS-13000	13000	780	1,90	400/3/50	14	2"	720x780x1340	130
5642162	EDS-16700	16667	1000	1,90	400/3/50	13	2"	720x780x1340	150
5642212	EDS-21700	21667	1300	2,78	400/3/50	13	3"	1360x785x1585	260
5642282	EDS-28400	28333	1700	2,78	400/3/50	13	3"	1360x785x1585	270
5642362	EDS-36700	36667	2200	4,21	400/3/50	13	3"	1360x785x1585	300

### REDE - REFRIGERATION DRYERS WITH BUILT-IN COOLER

Code	Model	l/m	m <sup>3</sup> /h	Kw	Vol/Ph/Hz	bar	BSP	LxWxH mm	Kg
5661022	REDE-20	850	51	0,27	230/1/50	14	1/2"	420x415x750	40
5661032	REDE-30	1800	108	0,54	230/1/50	14	1"	410x480x1170	48
5661042	REDE-40	2300	138	0,6	230/1/50	14	1"	410x480x1170	51
5661052	REDE-50	3100	186	0,76	230/1/50	14	1 1/4"	510x515x1320	61
5661062	REDE-60	5500	330	1,02	230/1/50	14	1 1/2"	560x595x1520	75
5661072	REDE-70	6200	372	1,14	230/1/50	14	1 1/2"	560x595x1520	84
5661082	REDE-80	8100	486	1,41	230/1/50	14	2"	710x775x1565	141



# DRYERS

## adsorption



Certain industrial and process compressed air applications -chemical, pharmaceutical, or laboratory equipment, for example- must be completely free of all suspended water vapour. A refrigeration dryer is suitable for most general applications, but for those requiring absolutely dry air, an adsorption dryer is the only solution.

For these applications, a SAD heatless adsorption dryer will provide a constant pressure dew point of -40°C, or even, on request for special applications, -70°C.

### SAD - ADSORPTION DRYERS

Code	Model	l/m	m <sup>3</sup> /h	W	Vol/Ph/Hz	bar	BSP	LxWxH mm	Kg
5645000	SAD-30	30	1,8	50	230/1/50	10	1/4"	50x110x375	2
5645001	SAD-120	120	7	50	230/1/50	10	1/4"	70x170x530	5,6
5645003	SAD-300	300	18	50	230/1/50	10	3/8"	100x218x575	10,5
5645006	SAD-670	667	40	50	230/1/50	10	1/2"	405x470x925	42
5645014	SAD-1400	1333	80	50	230/1/50	10	1/2"	405x470x1280	58
5645020	SAD-2000	2000	120	50	230/1/50	10	1"	455x470x1860	86
5645027	SAD-2700	2667	160	50	230/1/50	10	1"	455x470x1860	86
5645034	SAD-3400	3333	200	50	230/1/50	10	1"	500x550x1650	200
5645067	SAD-6700	6667	400	50	230/1/50	10	1 1/2"	530x825x2160	325
5645080	SAD-8000	8000	480	50	230/1/50	10	1 1/2"	55x796x2380	465
5645125	SAD-12500	12500	750	50	230/1/50	10	2"	620x970x2117	630
5645150	SAD-15000	15000	900	50	230/1/50	10	2"	620x970x2305	700
5645200	SAD-20000	20000	1200	50	230/1/50	10	2 1/2"	710x1220x2475	918
5645250	SAD-25000	25000	1500	50	230/1/50	10	2 1/2"	710x1220x2790	1100
5645334	SAD-33400	33333	2000	50	230/1/50	10	2 1/2"	853x1370x2470	1250

# WATER/OIL

## separators

Current environmental laws stipulate that most of the oil contaminants must be removed from the condensation generated throughout the air compression process before being evacuated to the drainage system.

SC series achieve an efficient separation of oil from condensation, thanks to a multi-stage process, in compliance with environmental legislation: 91/271/ECC, 91/676/CEE y 2004/108/EC.

SC series achieve an efficient separation of oil from condensation, thanks to a multi-stage process, in compliance with environmental legislation.

Oil/water separators of the SC series are valid for the removal of following types of oil:

1. Mineral oils.
2. Synthetic oils.
3. Condensation emulsions.
4. Polyglycol (check applications and availability).



### SC - WATER/OIL SEPARATORS

Code	Model	l/m	m <sup>3</sup> /h	Lts	BSP (In-Out)	LxWxH mm
5656210	SC-1	2000	120	2	1/2"-1/2"	255x230x239
5656220	SC-2	5000	300	5	{2x}1/2"-1"	580x190x610
5656230	SC-3	9000	540	10	{2x}1/2"-1"	650x240x750
5656240	SC-4	18000	1080	15	{2x}1/2"-1"	780x305x900
5656250	SC-5	30000	1800	25	{2x}1/2"-1"	970x380x900



# FILTERS

**FEP:** Suitable filters for the removal of solid particles up to 5 microns including fluids, emulsions and particles of oil. Their strong mechanical resistance makes these filters the ideal initial protection for the beginning of an installation of compressed air, and for retaining the impurities. For example, it is recommended for installation at the inlet of the dryers to pre-filter the FES models.

**FES and FEX:** Interception filters take advantage of the principle of coalescence, and are suitable for erasing solid particles up to 0,01 micron and oil down to 0,01 mg/m<sup>3</sup>.

**FEZ:** There are industrial processes that, in addition to requiring oil-free air, also require the elimination of oil vapors and odors. To this effect, the activated carbon filter through the process of

**Saturation indicator (optional):**

it marks the need for replacement of the cartridge.

**Automatic condensate drain (optional).**



adsorption attracts all the odors and fumes that are left after the oil removal process, and it keeps in the molecules of the activated carbon grains. Because of this, the filters of the FES and FEX models have to be placed before the filters FEZ.

## FE - FILTRATION

### FEP FILTERS (PRE-FILTERS)

\*Solid particles up to 5 microns.

Code	Model	l/m	m <sup>3</sup> /h	bar	BSP
5676005	FEP-560	560	33	16	3/8"
5676012	FEP-1200	1170	70	16	1/2"
5676018	FEP-1800	1800	108	16	3/4"
5676030	FEP-3000	3000	180	16	3/4"
5676034	FEP-3400	3400	204	16	1"
5676050	FEP-5000	5000	300	16	1"
5676072	FEP-7200	7200	432	16	1 1/2"
5676104	FEP-10400	10400	620	16	1 1/2"
5676128	FEP-12800	12800	770	16	2"
5676165	FEP-16500	16500	990	16	2"
5676190	FEP-19000	19000	1140	16	2 1/2"
5676220	FEP-22000	22000	1320	16	2 1/2"
5676280	FEP-28000	28000	1680	16	3"
5676350	FEP-35000	35000	2100	16	3"

### FES FILTERS (INTERCEPTION)

\*Solid particles up to 1 micron.

Code	Model	l/m	m <sup>3</sup> /h	bar	BSP
5677005	FES-560	560	33	16	3/8"
5677012	FES-1200	1170	70	16	1/2"
5677018	FES-1800	1800	108	16	3/4"
5677030	FES-3000	3000	180	16	3/4"
5677034	FES-3400	3400	204	16	1"
5677050	FES-5000	5000	300	16	1"
5677072	FES-7200	7200	432	16	1 1/2"
5677104	FES-10400	10400	620	16	1 1/2"
5677128	FES-12800	12800	770	16	2"
5677165	FES-16500	16500	990	16	2"
5677190	FES-19000	19000	1140	16	2 1/2"
5677220	FES-22000	22000	1320	16	2 1/2"
5677280	FES-28000	28000	1680	16	3"
5677350	FES-35000	35000	2100	16	3"

Maximum residual oil content of 0,1 mg/m<sup>3</sup>

### FEX FILTERS (INTERCEPTION)

\*Solid particles up to 0,01 microns.

Code	Model	l/m	m <sup>3</sup> /h	bar	BSP
5678005	FEX-560	560	33	16	3/8"
5678012	FEX-1200	1170	70	16	1/2"
5678018	FEX-1800	1800	108	16	3/4"
5678030	FEX-3000	3000	180	16	3/4"
5678034	FEX-3400	3400	204	16	1"
5678050	FEX-5000	5000	300	16	1"
5678072	FEX-7200	7200	432	16	1 1/2"
5678104	FEX-10400	10400	620	16	1 1/2"
5678128	FEX-12800	12800	770	16	2"
5678165	FEX-16500	16500	990	16	2"
5678190	FEX-19000	19000	1140	16	2 1/2"
5678220	FEX-22000	22000	1320	16	2 1/2"
5678280	FEX-28000	28000	1680	16	3"
5678350	FEX-35000	35000	2100	16	3"

### FEZ FILTERS (ACTIVATED CARBON)

Code	Model	l/m	m <sup>3</sup> /h	bar	BSP
5679005	FEZ-560	560	33	16	3/8"
5679012	FEZ-1200	1170	70	16	1/2"
5679018	FEZ-1800	1800	108	16	3/4"
5679030	FEZ-3000	3000	180	16	3/4"
5679034	FEZ-3400	3400	204	16	1"
5679050	FEZ-5000	5000	300	16	1"
5679072	FEZ-7200	7200	432	16	1 1/2"
5679104	FEZ-10400	10400	620	16	1 1/2"
5679128	FEZ-12800	12800	770	16	2"
5679165	FEZ-16500	16500	990	16	2"
5679190	FEZ-19000	19000	1140	16	2 1/2"
5679220	FEZ-22000	22000	1320	16	2 1/2"
5679280	FEZ-28000	28000	1680	16	3"
5679350	FEZ-35000	35000	2100	16	3"

# TANKS

All our horizontal and standard vertical tanks are equipped with a pressure gauge, safety valve and drain cock included in the price. Optional connection fittings kit, check price and availability.

Manufactured according to EU directives 2009/105/EC and 97/23/EC.

We recommend draining the tank weekly or the installation of an electronic drain to ensure the absence of water in its interior.



**Electronic drain (optional):** removes the condensation of the air tank by a regulated device, timed electronically.



## HORIZONTAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5590075	DH 100	100	11	1/2 - 1/2"	1050x440x680	35
5590185	DH 200	200	11	1/2 - 1/2"	1380x440x575	53
5590195	DH 300	270	11	1/2 - 1/2"	1490x515x625	65
5590215	DH 500	500	11	3/4 - 1/2"	1900x600x775	123
5591076	DH 100	100	15	1/2 - 1/2"	1120x670x680	54
5591184	DH 200	200	15	1/2 - 1/2"	1380x440x575	63
5591196	DH 300	300	15	1/2 - 1/2"	1630x515x625	80
5591215	DH 500	500	15	3/4 - 1/2"	1900x600x775	154

Tanks up to 100 liters (both 11 and 15 bar), are equipped with handle and wheels for easy transport.

## VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5590179	DV 100	100	11	1/2"	370x370x1165	28
5590199	DV 270	270	11	1"	490x490x1670	65
5590219	DV 500	500	11	1"	600x600x2055	123
5590259	DV 1000	1000	11	2"	790x790x2365	195
5590269	DV 2000	2000	11	2"	1000x1000x2810	375
5591179	DV 100	100	15	1/2"	370x370x1150	48
5591199	DV 300	300	15	1"	490x490x1820	80
5591219	DV 500	500	15	1"	600x600x2055	154
5591259	DV 1000	1000	16	2"	790x790x2365	315
5591269	DV 2000	2000	16	2"	1000x1000x2810	490



### HIGH PRESSURE VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5596212	DV 500	500	42	1 ¼" - 2"	600x600x2140	340
5596252	DV 1000	1000	42	2" - 2"	790x790x2385	605
5596902	DV 1500	1500	42	2" - 2"	950x950x2460	850
5596262	DV 2000	2000	42	2" - 2"	1000x1000x2810	1025
5596302	DV 3000	3000	42	2" - 2"	1200x1200x2970	1450
5596912	DV 4000	4000	42	2" - 2"	1430x1430x3160	2190
5596922	DV 5000	5000	42	2" - 2"	1430x1430x3660	2515
5596258	DV 1000	1000	48	2" - 2"	790x790x2400	725
5596268	DV 2000	2000	48	2" - 2"	1000x1000x2810	1195
5596308	DV 3000	3000	48	2" - 2"	1200x1200x2970	1685

Pressure gauge, safety valve and drain cock are not included in the price.



### GALVANIZED VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5596191	DV 270	270	11	1"	500x500x1648	70
5596211	DV 500	500	11	2"	600x600x1665	119
5596291	DV 900	900	11	1 ½"	800x800x1805	198
5596251	DV 1000	1000	12	2"	800x800x2350	214
5596901	DV 1500	1500	12	2"	1000x1000x2305	325
5596261	DV 2000	2000	12	2"	1100x1100x2490	394
5596301	DV 3000	3000	12	2"	1200x1200x2990	600
5596911	DV 4000	4000	12	3"	1450x1450x2790	685
5596921	DV 5000	5000	12	3"	1450x1450x3390	808
5596931	DV 6000	6000	12	3"	1450x1450x3990	930
5596941	DV 8000	8000	12	3"	1650x1650x4315	1470
5596951	DV 10000	10000	12	3"	1650x1650x5200	1730
5596196	DV 270	270	16	1"	500x500x1648	104
5596216	DV 500	500	16	2"	600x600x2050	149
5596256	DV 1000	1000	16	2"	800x800x2350	249
5596266	DV 2000	2000	16	2"	1100x1100x2490	455

Pressure gauge, safety valve and drain cock are not included in the price.



### STAINLESS STEEL -AISI 304- VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5596197	DV 270	270	11	1"	500x500x1748	69
5596217	DV 500	500	11	1"	600x600x2055	125
5596257	DV 1000	1000	11	2"	800x800x2353	377

Pressure gauge, safety valve and drain cock are not included in the price.



### VACUUM VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5596190	DV 270	270	-1	1"	500x500x1648	101
5596210	DV 500	500	-1	2"	600x600x2050	145
5596250	DV 1000	1000	-1	2"	800x800x2350	245
5596260	DV 2000	2000	-1	2"	1100x1100x2490	450
5596300	DV 3000	3000	-1	2"	1200x1200x2990	630

Pressure gauge, safety valve and drain cock are not included in the price.



# AIR PIPELINE SYSTEM

## MODULAR COMPRESSED AIR PIPING SYSTEM

Compresores JOSVAL offers a wide range of modular system aluminium tube for compressed air.

Pipes and fittings are available for all needs -vacuum, high pressure and low pressure- with diameters ranging from 20 mm to 160 mm.

For optimum performance and longer life of machines and tools, it is essential to have a good quality network designed and suited to the needs of each company.

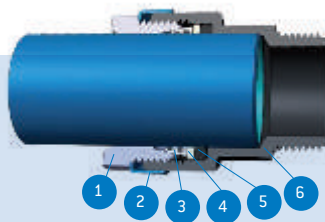
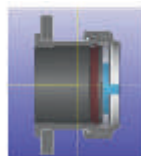
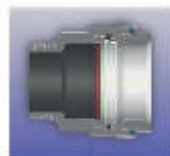
Apart from that, we are authorized installers, so once the installation is over, Compresores JOSVAL may provide the certificate of installation (CE), essential to legalize the network and pressure vessels.

### BENEFITS:

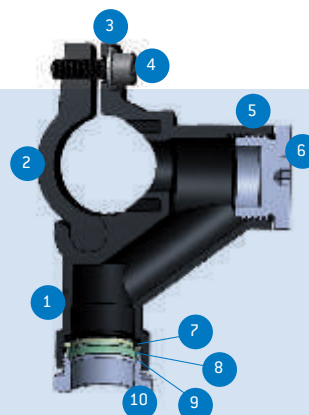
- Energy saving.
- Highest quality aluminum.
- Easy, fast and safe installation.
- Instant connection.
- Increased air flow.
- High mechanical stress.
- Rust and corrosion free.
- Modular.



TECHNICAL DETAILS			
Some technical characteristics	AIRE	VACUUM	AIR (HIGH PRESSURE)
Standard colour	RAL 5012	RAL 7046	RAL 5017
Max working pressure	16 Bar	-10 mbar	30 - 40 - 70 Bar
Plant testing pressure 1 hour at 20°C	24 Bar	24 Bar	45 - 60 - 105 Bar
Quality testing pressure 1 hour at 20°C	64 Bar	64 Bar	120 - 160 - 280 Bar
Production tested percentage	1%	1%	100%
Continuous service temperature limit	From -20°C up to 100°C		
Peak max. working temperature	From -30°C up to 130°C		
Aluminium pipe mechanical resistance	According to EN-755-2/2008 standards		
Pipe material	Aluminium alloy EN AW 6060- T5 according to EN 755-2/2008		
Pipe thickness (mm)	020-S1,0 / 025-S1,1 / 032-S1,2 040-S1,3 / 050-S1,4 / 063-S1,8 090-S2,0		020-S2,0 / 025-S2,5 / 032-S3,0 / 040-S4,0 / 050-S5,0 / 063-6,0 [PN70] / 090-S3,0 / 0110-S3,5 [PN40]
Aluminium fittings material	Aluminium alloy EN AW 6061 T6		
O-ring & lip gasket material	NBR 65°/75° Shore A		
Clamp ring material	AISI 304 Stainless Steel		



1. Ring
2. Identification ring
3. Extruded aluminum tube calibrated and painted
4. Clamp ring (not present in Dn 50)
5. Fitting O-ring
6. Fitting body



1. By-pass
2. Blind
3. Washer
4. Allen screw
5. Plug seal
6. Plug
7. Seal
8. Washer (not present in all measures)
9. Fixation ring
10. Clamp out

# LUBRICANTS

## JOSVAL oils



### ENERGY+ SERIES (SCREW AND PISTON)

ENERGY+ series oils are formulated with high quality base oils and performance enhancing additives which increase oxidation resistance and ensure good wear and corrosion protection. ENERGY+ series oils offer unbeatable value for the money.

Availability:

Piston compressors: 2 litres jug and 208 litres drum.

Screw compressors: 5 litres jug and 208 litres drum.



### FORTE SERIES (SCREW AND PISTON)

FORTE series oils are high quality mineral base oils designed to meet the most stringent requirements of our customers. They are formulated with high performance additives which provide an excellent wear and corrosion protection, reduce maintenance costs and enhance equipment life and performance.

Compresores JOSVAL, as the manufacturer, recommends using FORTE series oils in demanding environments.

Availability:

Piston compressors: 2 litres jug and 208 litres drum.

Screw compressors: 5 litres jug and 208 litres drum.



### TECONROT SERIES

Synthetic oil is specially designed to achieve the maximum performance of TECONROT series screw compressors.

Availability: 1 litre jug and 5 litres jug.



### GRAFENOIL SERIES

PAO next generation synthetic oils have advanced lubrication properties at both high and low temperatures, low volatility, high oxidative stability, and are formulated to provide long service life (6.000 and 8.000 hours).

They are specially designed to achieve the maximum performance of GRAFENO DIAMOND series.

Availability: 18,9 litres jug.



### AQUATIC SERIES

High performance mineral oil specific for AQUATIC series compressors is based on the mixture of selected base oils and special multifunctional additives that protect the metal parts against wear, corrosion and rust.

Availability: 1 litre jug and 5 litres jug.



### FOOD GRADE SERIES (SCREW AND PISTON)

NSF H1 approved oils are for screw and piston compressors, and are suitable for certain clinical and food applications.

Availability:

Piston compressors: 2 litres jug.

Screw compressors: 20 litres drum.



# ENERGY EFFICIENCY

## multicontrol

Energy consumption has increased significantly in recent years, and this increased use of energy resources on the part of companies has resulted in the need to be planning and taking measures to reduce costs.

For this reason it is advisable to make an intelligent use of energy, and for that purpose Compresores JOSVAL integrates its range of products called Multicontrol.

Multicontrol devices are used to fully integrate compressed air systems in the centers of production, **optimizing the air generation** and managing the key aspects of the system with detailed, easy-to-use information and very visual software.

Simply put, Multicontrol devices can be used to operate the air compressors in a more efficient manner and, furthermore, they **allow you to control any compressor on the market**.

For installations with multiple compressors, these products **can reduce power consumption by up to 30 %**, which translates into savings of up to thousands of Euros per year.

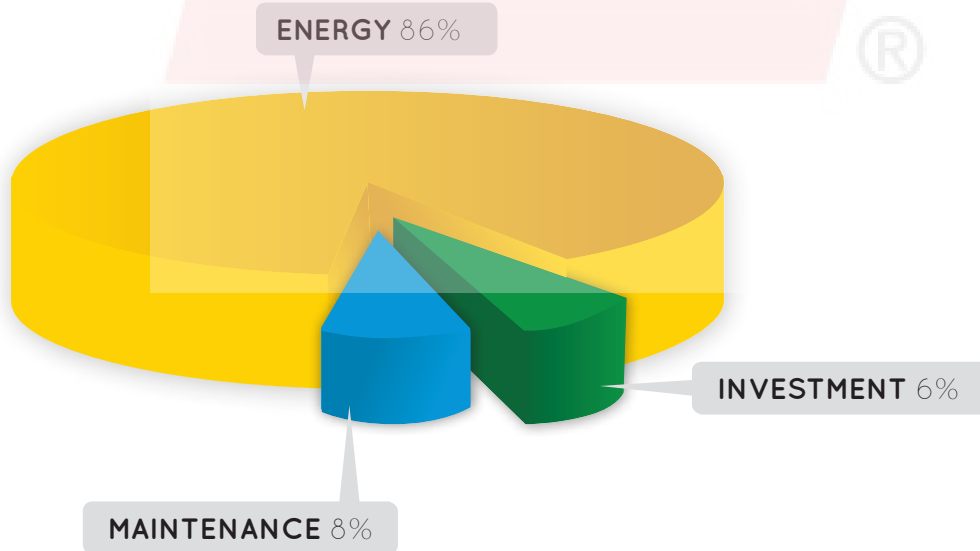
Energy is the most important factor in the total cost of the compressor, and may represent more than 80% of the costs within the life cycle of the unit.

A customer who saves energy improves their "green credentials" and, most importantly, you can drastically reduce your energy costs.

- Reduction in the energy consumption up to 30%
- Reduction in the carbon footprint
- Reduction in the CO<sub>2</sub> emissions



For these reasons it is very important to make the correct choice for your compressed air production system. With the aforementioned Multicontrol devices combined with the use of variable speed compressors, you can avoid the unnecessary consumption when, for example, the compressors are working in unload mode.



**Multicontrol** units optimize the production of compressed air as the instantaneous consumption of the factory and get a stable pressure across the compressed air.

By controlling the air generation we get two main benefits: extend the life of the generating equipment and get big energy savings.

INVERTER devices already incorporated in some of our ranges as the control of compressor rooms generate immediate savings and are probably the most efficient solutions in the market.

A digital brain to optimize our generation of compressed air becomes the first measure to update both old and new compressor rooms. Compresores JOSVAL offers different models of these devices, what we called Multicontrol units, adapted to every need:



#### MULTICONTROL P4

Flexible and advanced control up to 4 fixed speed compressors.

#### MULTICONTROL SX

System control up to 12 compressors of different powers, fixed speed and variable speed.

#### MULTICONTROL XC

System control up to 24 compressors of different powers, fixed speed and variable speed, divided into different rooms.

#### Compatible with:

- Air compressors (any type)
- Dryers
- PLC's
- Drivers
- Inverters

#### FEATURES:

- Control of compressed air equipment.
- Automation of auxiliary equipment (drying, filtration, cooling, etc.)
- Device control (flow rate, pressure, temperature, etc.)
- Monitoring and access to the system.
- Browser accessible through control display .
- Report of system performance.
- Incident notice via email and SMS.
- Integration with Modbus, Profibus, DeviceNet, etc.
- Support for BMS integration.



## SALE TERMS & GENERAL INFORMATION

This catalogue price list replaces all previous lists and is valid until the publication of a new one.

The price indicated does not include VAT.

Shipments will be carried out from our warehouse and freight is to be prepaid by the purchaser, as well as any costs associated with the return of the goods.

It is the obligation of the buyer to thoroughly review the goods at the time of its receipt and check its good condition, as well as notify in writing to the carrier and to Compresores JOSVAL, S.L. any damage suffered during the transport within 24 hours of its receipt. Past this time, Compresores JOSVAL, S.L. cannot accept any warranty claim regarding transport damages.

All merchandise will be property of Compresores JOSVAL, S.L. until the payment of the total amount of the invoice is at Compresores JOSVAL, S.L. disposal. If buyer fails to make payment, the transaction will be cancelled and Compresores JOSVAL, S.L. will be able to retrieve the merchandise sold by keeping the amount of payments received as compensation for its use. In this case, if the product had been damaged the buyer will be responsible and shall compensate Compresores JOSVAL, S.L.

These terms may be subject to change without notice and shall be construed as fully accepted with the confirmation of the order.

Technical data and photographs may be changed without notice and without obligation for Compresores JOSVAL, S.L.

## WARRANTY

The warranty refers only to the faults or defects that may be attributable to the manufacturer, its period of validity being for 1 year from the date of sale of the machine.

The warranty does not cover any damages due to incorrect installation or improper maintenance of the equipment, which we have not addressed in the instructions expressed in the manufacturer's manual.

The warranty is declared null with any modification made to the compressor without the express permission of JOSVAL, and also, the use of non-original JOSVAL parts will result in the loss of warranty.

Not included in the warranty are the replacement of parts and materials due to wear or supplies (maintenance), as well as motors or other electrical/electronic components and electrical/electronic equipment.

Warranty claims must be filed immediately after the defect is observed, with a detailed written report of the defect.

All cost incurred by demands of the warranty which prove to be irrelevant, shall be assumed by the buyer.

Repairs covered by the warranty will be provided in our facilities, being that all costs associated with travel or transport are incurred by the customer.

Damaged parts or faulty items should be sent with postage paid to JOSVAL, who will then consider and determine whether or not the warranty claim is valid.

JOSVAL, when fulfilling a warranty claim, will decide to repair the defects or replace defective parts.

The parts replaced under warranty have a validity period of 6 months following their replacement.

This warranty excludes any condition that has not been expressly given.



## ISO 8573.1 AIR QUALITY CLASSES

Useful information 

CLASS	SOLIDS		WATER	OIL
	Max. Particle Size (micron)	Max. Solids Concentration (mg/m <sup>3</sup> )	Max. PDP 7 bar (°C)	Max. Oil Content (mg/m <sup>3</sup> )
1	0,1	0,1	-70	0,01
2	1	1	-40	0,1
3	5	5	-20	1
4	15	8	+3	5
5	40	10	+7	25
6	-	-	+10	-

**EXAMPLE:** Selecting an air purity class of **1, 2, 1** would specify the following conditions:

- **1** = solids filtration up to 0,1 micron and 0,1 mg/m<sup>3</sup>
- **2** = pressure dewpoint (PDP) of -40°C
- **1** = oil filtration up to 0,01 mg/m<sup>3</sup>

*This case would refer to the air in touch with food or packaging in touch with food.*

## ISO 9001 - QUALITY MANAGEMENT SYSTEM CERTIFICATION



