



**THE EVOLUTION  
OF COMPRESSORS**



## THE TRUE EVOLUTION OF TECHNOLOGICAL INNOVATION

**SISTEMA** is a young and dynamic company whose specific mission is innovation and technological evolution of screw compressors in order to meet its customers' needs with reliable, cutting-edge solutions and products with a wide range of applications.

As a matter of fact, professionals and users in different fields can avail themselves of the best products thanks to SISTEMA's unique and original solutions, designed and upgraded through the collaboration with its Research & Development department, **VMC ENGINEERING** which counts on an over three-decade expertise in the original equipment in the field of compressed air and owns 15 international patents.

SISTEMA's ongoing process of technological evolution takes shape by manufacturing screw compressors that target the greatest performance in terms of engineering and use, in virtue of solutions and products with reduced footprint as well as an easy and cheap maintenance.

In the end, **SISTEMA's total quality** is guaranteed both by a system of strict controls and inspections on each phase and production process and by a chain of partner suppliers internationally certified.

From a commercial point of view too, SISTEMA undertakes to guarantee the customers' greatest satisfaction, taking care of all the contact and business relationship phases, pre- and aftersales, through its own team of specialists. In this way, it ensures a ready and ongoing assistance, in line with the company policy of creating firm and profitable partnerships with customers.

# COMPACK

## EXCELLENCE BY STANDARD

### JUST ONE STANDARD: EXCELLENCE

COMPACK embodies the greatest SISTEMA's technological innovation.

SISTEMA's Research and Development Dept., oriented towards the greatest user-friendliness of a screw compressor fulfills this approach with COMPACK, thanks to a great number of customized applications and solutions.

The reason is that COMPACK has **just one standard: excellence.**

COMPACK as a matter of fact is a compact and extremely performing **integrated system: all the advantages of an industrial compressor in just a small amount of space.**



MADE IN ITALY





Compactness



Easy Fitting



Light Weight



Low Noise



# COMPACT

## MODELLI MODELS



### COMPACT G BASIC 4-5 kW

The latest evolution of the COMPACT range, it is ideal for users that need a complete, user-friendly, compact station, with reduced running and maintenance costs.

- Gear-driven
- Direct start; ON/OFF system with pressure switch, pressure gauge and meter
- Floor-standing with tank from 200lt with dryer
- Air release from 460 to 650l/min at 10 bar
- Anti-condensation system



### COMPACT BASIC 2,7-3,5 kW

This is the ideal solution for all users that need a screw compressor meeting the requirements of reliability, efficiency, total accessibility. Energy consumption is optimized, if compared to a piston compressor with the same airflow rate. Moreover, running and maintenance costs are reduced. Minimum footprint.

- Direct-driven
- Direct start, ON/OFF system with pressure switch
- Floor-standing with tank from 100lt. or 150 lt.; air trolley
- Air release from 240 to 350 l/min at 10 bar
- Anti-condensation system



### COMPACT G 4-5 kW

It represents the highest evolution of the COMPACT range, thanks to the electronic control unit K-tronic 5 running all the compressor functions: loading/idling cycle, working hours, oil temperature, working pressure, alerts. This is a concrete answer to users in the field of compressed air requiring a powerful, small footprint machine.

- Gear-driven
- Star/Delta start with loading/idling cycle
- Floor-standing with tank from 200lt. and dryer
- Air release from 460 to 650l/min at 10 bar
- Anti-condensation system



### COMPACT 2,7-3,5 kW

Thanks to the electronic control unit K-Tronic 5, it entwines the need for reliability, efficiency and the typical functionalities of the greatest screw compressors. Thanks to the exclusive Heating System, it is also designed to run discontinuously

- Direct-driven
- Direct start with loading/idling cycle
- Floor-standing with tank from 100lt to 150lt.; air trolley
- Air release from 240 to 350 l/min at 10 bar
- Anti-condensation system



### COMPACT 2 BUS 3-3,5 kW

This is the ideal integration solution for electric buses in order to control the braking system and door opening. It meets the requirements of reliability, efficiency, user-friendliness, if compared to a piston compressor with the same airflow rate. Moreover, running and maintenance costs are extremely lower than those of a rotary vane compressor. Minimum footprint. Equipped with an interface box with control and feeding signals.

- Direct-driven
- Direct start; ON/OFF system with pressure switch
- Floor-standing
- Air release: 290 l/min at 10 bar
- Anti-condensation system





Compactness



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COMPACT IS AVAILABLE IN THREE VERSIONS



Compressor only



On tank (100 Lt - 150 Lt)



On Air trolley frame

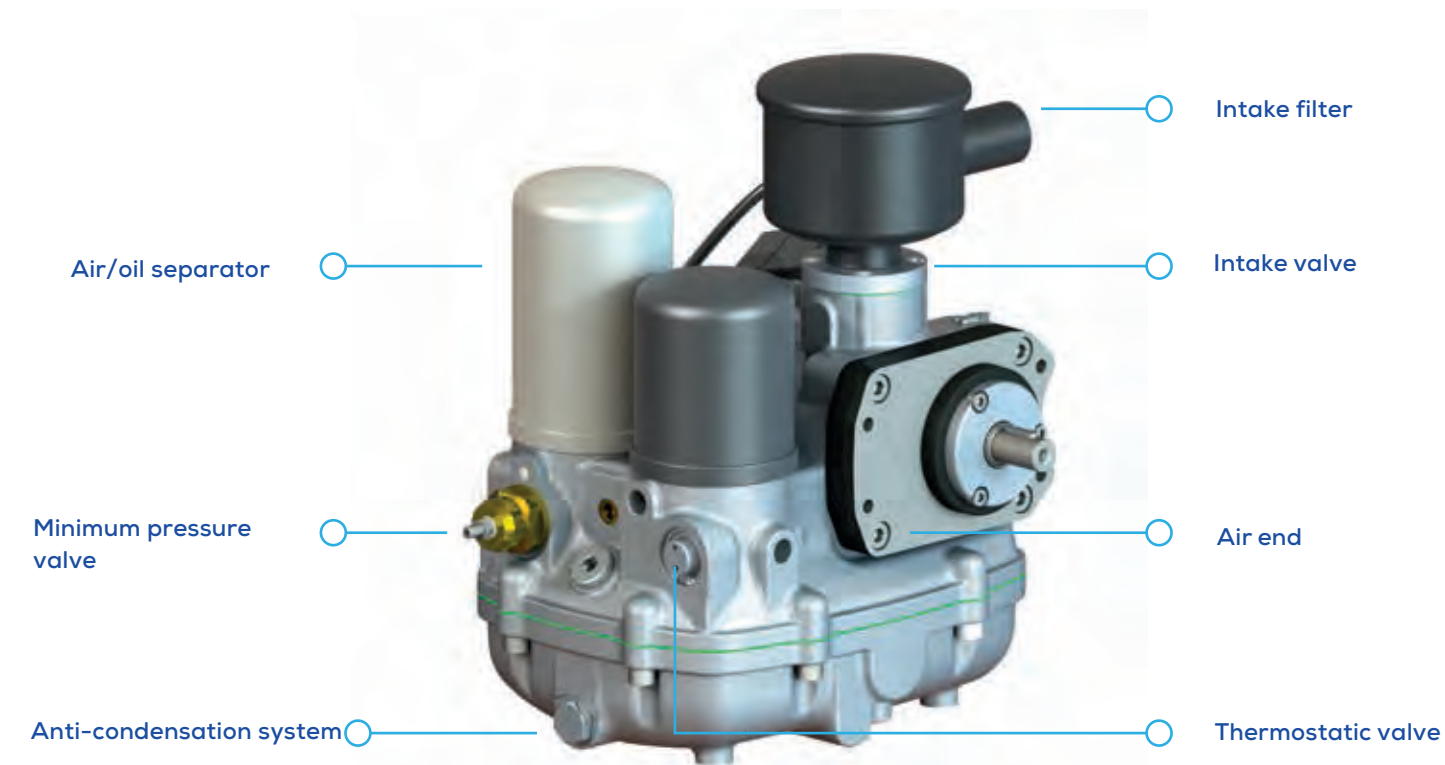
# PLUS COMPACT

COMPACT stands for an authentic revolution in the field, leveraging the technical and technological standards of an industrial screw compressor on the markets which until some time ago were exclusively a prerogative of a piston compressor. Thanks to the Heating System that eliminates the condensate problem, COMPACT is also designed to run discontinuously, that is at fixed intervals. Moreover, in terms of the same quantity of air released, it guarantees energy efficiency if compared to a piston compressor with the same airflow rate.

## GRUPPO VITE INTEGRATO INTEGRATED AIR-END



COMPACT is made up of a state-of-the-art pumping air-end, the most compact in the field, integrating the main components of a screw compressor (air-end, separator tank, thermostatic and minimum pressure valve, intake valve) and being groundbreaking in the choice of materials: a steel core in an aluminum case.



- Greatest energy efficiency
- Designed as a big compressor
- Cooling circuit
- Best performance in just a small amount of space
- Anti-condensation system
- Low noise levels
- Turnkey products with an aluminum case
- Fast and economical maintenance
- Electronic control board - ON/OFF system

# TECHNICAL CHARACTERISTICS



## COMPACT BASIC

Codice Code	Modello Type	Potenza Motore Motor Power		Serbatoio Tank		Pressione Max. Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight		
		Hp	Kw	Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs	
<b>COMPACT 2-3 BASIC A terra / Grounded</b>																
180012012	COMPACT 2 BASIC	3,6	2,7	/	/	10	145	240	8,5	65	230/50/1	3/8	55x43x39	39	86	
180012011		4,6	3,0					290	10,2							400/50/3
180022004		4,7	3,5					360	12,7							400/50/3
<b>COMPACT 2-3 BASIC Su serbatoio / On tank</b>																
180012018	COMPACT 2/100 BASIC	3,6	2,7	100	26,4	10	145	240	8,5	65	230/50/1	1/2	120x45x88	75	165	
180012019		4,6	3,0					290	10,2							400/50/3
180022005		4,7	3,5					360	12,7							400/50/3
180012016	COMPACT 2/150 BASIC	3,7	2,7	150	39,6	10	145	240	8,5	65	230/50/1	1/2	137x49x92	82	181	
180012017		4,6	3,0					290	10,2							400/50/3
180022006		4,7	3,5					360	12,7							400/50/3

## COMPACT

Codice Code	Modello Type	Potenza Motore Motor Power		Serbatoio Tank		Pressione Max. Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight		
		Hp	Kw	Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs	
<b>COMPACT 2-3 A terra / Grounded</b>																
180012002	COMPACT 2	3,6	2,7	/	/	10	145	240	8,5	65	230/50/1	3/8	55x43x42	39	86	
180012001		4,6	3,0					290	10,2							400/50/3
180022001		4,7	3,5					360	12,7							400/50/3
<b>COMPACT 2-3 Su serbatoio / On tank</b>																
180012004	COMPACT 2/100	3,6	2,7	100	26,4	10	145	240	8,5	65	230/50/1	1/2	120x45x90	75	165	
180012005		4,6	3,0					290	10,2							400/50/3
180022002		4,7	3,5					360	12,7							400/50/3
180012006	COMPACT 2/150	3,7	2,7	150	39,6	10	145	240	8,5	65	230/50/1	1/2	137x49x95	82	181	
180012007		4,6	3,0					290	10,2							400/50/3
180022003		4,7	3,5					360	12,7							400/50/3

## COMPACT AIR TROLLEY

Codice Code	Modello Type	Potenza Motore Motor Power		Serbatoio Tank		Pressione Max. Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight			
		Hp	Kw	Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs		
<b>COMPACT 2-3 A terra / Grounded</b>																	
151012003	COMPACT 2 AR	3,6	2,8	7	1,84	10	145	240	8,5	65	230/50/1	3/8	74x62x62	55	121		
151012004		4,0	3,0					290	10,2							400/50/3	
151012013		COMPACT 2 AR BASIC	3,6					2,7	240							8,5	230/50/1
151012014			4,0					3,0	290							10,2	400/50/3
151022004	COMPACT 3 AR	4,7	3,5	7	1,84	10	145	360	12,7	69	400/50/3	3/8	74x62x62	60	132		
151022014																	

## COMPACT G 4-5 BASIC

Codice Code	Modello Type	Potenza Motore Motor Power		Serbatoio Tank		Pressione Max. Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight			
		Hp	Kw	Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs		
<b>COMPACT 4-5 BASIC A terra / Grounded</b>																	
181031011	COMPACT G 4 BASIC	5,5	4	/	/	8	116	580	20,5	68	400/50/3	1/2 Gas	69x47x57	70	154		
181032011								10	145							460	16,25
181033011								13	188							370	13,10
181041011	COMPACT G 5 BASIC	7,5	5,5	/	/	8	116	760	26,80	69	400/50/3	1/2 Gas	69x47x57	75	165		
181042011								10	145							650	23,00
181043011								13	188							560	18,80
<b>COMPACT 4-5 BASIC Su serbatoio / On tank</b>																	
181031012	COMPACT G 4/200 BASIC	5,5	4	200	52,83	8	116	580	20,5	68	400/50/3	1/2 Gas	146x49x109	128	282		
181032012								10	145							460	16,25
181033012								13	188							370	13,10
181041012	COMPACT G 5/200 BASIC	7,5	5,5	200	52,83	8	116	760	26,80	69	400/50/3	1/2 Gas	146x49x109	133	293		
181042012								10	145							650	23,00
181043012								13	188							560	18,80
<b>COMPACT 4-5 BASIC Su serbatoio Con essiccatore / On tank with dryer</b>																	
181031013	COMPACT G 4/200E BASIC	5,5	4	200	52,83	8	116	580	20,5	68	400/50/3	1/2 Gas	146x49x109	153	337		
181032013								10	145							460	16,25
181033013								13	188							370	13,10
181041013	COMPACT G 5/200E BASIC	7,5	5,5	200	52,83	8	116	760	26,80	69	400/50/3	1/2 Gas	146x49x109	158	348		
181042013								10	145							650	23,00
181043013								13	188							560	18,80

## COMPACT G 4-5

Codice Code	Modello Type	Potenza Motore Motor Power		Serbatoio Tank		Pressione Max. Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight			
		Hp	Kw	Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs		
<b>COMPACT 4-5 A terra / Grounded</b>																	
181031001	COMPACT G 4	5,5	4	/	/	8	116	580	20,50	68	400/50/3	1/2 Gas	69x47x57	70	154		
181032001								10	145							460	16,25
181033001								13	188							370	13,10
181041001	COMPACT G 5	7,5	5,5	/	/	8	116	760	26,80	69	400/50/3	1/2 Gas	69x47x57	75	165		
181042001								10	145							650	23,00
181043001								13	188							560	18,80
<b>COMPACT 4-5 Su serbatoio / On tank</b>																	
181031002	COMPACT G 4/200	5,5	4	200	52,83	8	116	580	20,50	68	400/50/3	1/2 Gas	146x49x109	128	282		
181032002								10	145							460	16,25
181033002								13	188							370	13,10
181041002	COMPACT G 5/200	7,5	5,5	200	52,83	8	116	760	26,80	69	400/50/3	1/2 Gas	146x49x109	133	293		
181042002								10	145							650	23,00
181043002								13	188							560	18,80
<b>COMPACT 4-5 Su serbatoio con essiccatore / On tank with dryer</b>																	
181031003	COMPACT G 4/200E	5,5	4	200	52,83	8	116	580	20,50	68	400/50/3	1/2 Gas	146x49x109	153	337		
181032003								10	145							460	16,25
181033003								13	188							370	13,10
181041003	COMPACT G 5/200E	7,5	5,5	200	52,83	8	116	760	26,80	69	400/50/3	1/2 Gas	146x49x109	158	348		
181042003								10	145							650	23,00
181043003								13	188							560	18,80



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## FIELDS OF APPLICATION

Thanks to the highly sophisticated engineering of components and a customizable optimized design, the screw compressor COMPACK is extremely functional for a lot of applications. It is performing and reliable both as a machine at the start of a pneumatic line and inside much more complex machinery using compressed air.

### LIGHT CARPENTRY

Spray varnishing, drying,  
sandblasting, plasma cutting,  
cleaning

SMALL MACHINE SHOPS/  
CARPENTER'S SHOPS/WOOD  
CONSTRUCTION

GOLDSMITHS' WORKSHOPS/  
DENTAL STUDIOS/  
FOOD LABORATORIES/  
FASHION & TEXTILE FACILITIES/  
GRAPHIC DESIGN STUDIOS

MOBILE WORKSHOP/RACING

AGRICULTURAL FIELD  
Ripe fruit knocking-down

### SPECIAL APPLICATIONS

Electric buses  
Alternative energies  
(biogas centers, wood splinters)  
Dynamic cinemas





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# SERIE KME B

## KME B SERIES

The KME B series, a Poly-V belt-driven system with cast-iron taper-hub pulleys, always ensures the highest reliability in any work condition, minimizing power losses and guaranteeing a low noise level for each revolution and a perfect alignment of the rotating elements. Thanks to the system of sliding plate for the electric motor, the belt tightening process is made easier, allowing its accurate adjustment. The KME B series entwines the benefits of a compact screw compressor, with low installation and management costs and excellent performance, mainly in the applications requiring continuous running. Total function control through a user-friendly electronic board. Reduced overall dimensions and simplified installation are a winning card to overcome space problems. Cost savings are huge. There are no added installation charges for desiccant dryers and tank components, since they are wholly assembled. Air leakage from connection pipes is also absent.

THIS COMPRESSOR IS AVAILABLE IN THE FOLLOWING VERSIONS:



on ground

on ground with dryer

on tank

on tank with dryer

The unit on tank can be integrated with dryer even later on.

### COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Top-notch pumping system with Integrated unit guarantees extremely reduced overall dimensions grouping together, the following components:

- Oil-injected air-end
- Minimum pressure valve
- Thermostatic valve
- Intake valve
- Tank separator

These air-ends ensure little wear-and-tear, high efficiency, long-lastingness and reliability.



MADE IN ITALY





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### DRIVING SYSTEM

Coupling of electrical engine with compression unit has to guarantee driving stability during a work phase. The plate system with sliding electrical motor is designed to prevent stress to rotating parts. Our machine availing itself of a Poly-V belt-driven system with cast-iron taper-hub pulleys, always ensures the utmost reliability in any work condition and limits power loss with low noise level of rotating elements together with their perfect alignment. Moreover, an easy system of belt tightening, allows an accurate adjustment of the belt itself.



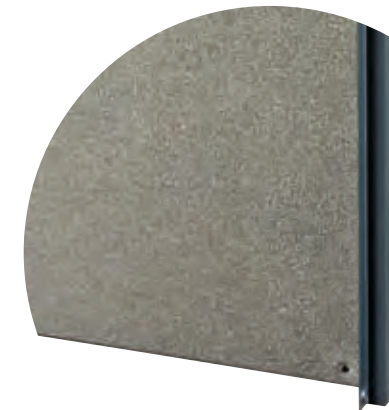
### SYSTEM OF AIR PRE-FILTER AND VENTILATION

The KME B series mounts a pre-filter that guarantees the utmost internal component protection, by filtering all the machine air intake. A high flow-rate electrical fan, almost noise-free, leads all the air flow into just one point, keeping up the right thermal balance for all the internal components.



### ELECTRONIC CONTROL BOARD

Based on direct, user-friendly reading, it runs all the machine functions safely through a microprocessor, from control of safety alarms (oil temperature, electrical engine, control of cooling electrical fan, maintenance time) to command systems (start-stop, alarm reset). The access to all microprocessor functions is protected by password (supplied only to authorized staff).



### SOUND INSULATION

Use of closed-cell insulation panels, care in component assembly and absence of transmitted vibrations allow such a low noise level that you can install our compressor in any work environment.



### AIR-OIL RADIATORS

Package model, with a wide exchange surface, designed to maintain a low level of flows and air even in an environmental condition with high temperatures. Vacuum-brazed radiators in aluminum alloy with highly efficient tubular parts.



### MAINTENANCE

All internal parts are easily accessible without any operating difficulty. Replacement of oil-air filters and filter separators takes place by simply disassembling a panel, which is remarkably time-saving and cost-reducing.





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### EXTENDED WARRANTY

KME B offers a choice of cover to ensure your air is always efficient. Packages SMART 36m - SMART 48m - SMART 60m provide the benefits of a range of extended warranty from three to five years. This is ideal for where compressed air is an important part of your company's processes. A specific maintenance program with dedicated kits, will assure easy and cost effective compressors' maintenance. The three packages extended warranties can be purchased with a simple one-time fee.

## KME B 4-15 / ON TANK

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs
<b>KME G 4-15 Su serbatoio / On tank</b>										
190031003	KME B 4 270	5,5 4	270 71,4	8 116 550 19,4	67	400/50/3	1/2 Gas	156x73x123	247	529
190032003				10 145 490 17,3						
190033003				13 188 381 13,5						
190041003	KME B 5 270	7,5 5,5	270 71,4	8 116 805 28,4	68	400/50/3	1/2 Gas	156x73x123	250	551
190042003				10 145 690 24,4						
190043003				13 188 561 19,8						
190041005	KME B 5 500	7,5 5,5	500 132	8 116 805 28,4	68	400/50/3	1/2 Gas	197x62x147	317	699
190042005				10 145 690 24,4						
190043005				13 188 561 19,8						
190051003	KME B 7 270	10 7,5	270 71,4	8 116 1170 39,8	69	400/50/3	1/2 Gas	156x73x123	286	617
190052003				10 145 980 33,4						
190053003				13 188 785 26,7						
190051005	KME B 7 500	10 7,5	500 132	8 116 1170 39,8	69	400/50/3	1/2 Gas	197x62x147	326	718
190052005				10 145 980 33,4						
190053005				13 188 785 26,7						
190061003	KME B 11 270	15 11	270 71,4	8 116 1610 54,9	69	400/50/3	3/4 Gas	156x73x140	297	654
190062003				10 145 1462 49,9						
190063003				13 188 1166 39,7						
190061005	KME B 11 500	15 11	500 132	8 116 1610 54,9	69	400/50/3	3/4 Gas	197x73x147	337	742
190062005				10 145 1462 49,9						
190063005				13 188 1166 39,7						
190071003	KME B 15 270	20 15	270 71,4	8 116 2090 73,8	69	400/50/3	3/4 Gas	156x73x140	306	674
190072003				10 145 1990 67,8						
190073003				13 188 1600 56,5						
190071005	KME B 15 500	20 15	500 132	8 116 2090 73,8	69	400/50/3	3/4 Gas	151x73x147	347	765
190072005				10 145 1990 67,8						
190073005				13 188 1600 56,5						

## KME B 4-15 A TERRA / ON GROUND

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs
<b>KME B 4-15 A terra / on ground</b>										
190031001	KME B 4	5,5 4	/ /	8 116 550 19,4	67	400/50/3	1/2 Gas	98x62x65	113	249
190032001				10 145 490 17,3						
190033001				13 188 381 13,5						
190041001	KME B 5	7,5 5,5	/ /	8 116 805 28,4	68	400/50/3	1/2 Gas	98x62x65	116	256
190042001				10 145 690 24,4						
190043001				13 188 561 19,8						
190051001	KME B 7	10 7,5	/ /	8 116 1170 39,8	69	400/50/3	1/2 Gas	98x62x65	159	350
190052001				10 145 980 33,4						
190053001				13 188 785 26,7						
190061001	KME B 11	15 11	/ /	8 116 1610 54,9	69	400/50/3	3/4 Gas	116x74x82	219	482
190062001				10 145 1462 49,9						
190063001				13 188 1166 39,7						
190071001	KME B 15	20 15	/ /	8 116 2090 73,8	69	400/50/3	3/4 Gas	116x74x82	228	502
190072001				10 145 1990 67,8						
190073001				13 188 1600 56,5						

## KME B 4-15 A TERRA CON ESSICCATORE / ON GROUND WITH DRYER

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs
<b>KME B 4-15 A terra con essiccatore / on ground with dryer</b>										
190031002	KME B 4 E	5,5 4	/ /	8 116 550 19,4	67	400/50/3	1/2 Gas	135x62x65	146	322
190032002				10 145 490 17,3						
190033002				13 188 381 13,5						
190041002	KME B 5 E	7,5 5,5	/ /	8 116 805 28,4	68	400/50/3	1/2 Gas	135x62x65	149	328
190042002				10 145 690 24,4						
190043002				13 188 561 19,8						
190051002	KME B 7 E	10 7,5	/ /	8 116 1170 39,8	69	400/50/3	1/2 Gas	135x62x65	192	423
190052002				10 145 980 33,4						
190053002				13 188 785 26,7						
190061002	KME B 11 E	15 11	/ /	8 116 1610 54,9	69	400/50/3	3/4 Gas	151x73x82	262	578
190062002				10 145 1462 49,9						
190063002				13 188 1166 39,7						
190071002	KME B 15 E	20 15	/ /	8 116 2090 73,8	69	400/50/3	3/4 Gas	151x73x82	270	595
190072002				10 145 1990 67,8						
190073002				13 188 1600 56,5						

## KME B 4-15 SU SERBATOIO CON ESSICCATORE / ON TANK WITH DRYER

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs
<b>KME B 4-15 su serbatoio con essiccatore / on tank with dryer</b>										
190031004	KME B 4 270 E	5,5 4	270 71,4	8 116 550 19,4	67	400/50/3	1/2 Gas	156x73x123	270	595
190032004				10 145 490 17,3						
190033004				13 188 381 13,5						
190041004	KME B 5 270 E	7,5 5,5	270 71,4	8 116 805 28,4	68	400/50/3	1/2 Gas	156x73x123	273	601
190042004				10 145 690 24,4						
190043004				13 188 561 19,8						
190041006	KME B 5 500 E	7,5 5,5	500 132	8 116 805 28,4	68	400/50/3	1/2 Gas	197x62x147	313	690
190042006				10 145 690 24,4						
190043006				13 188 561 19,8						
190051004	KME B 7 270 E	10 7,5	270 71,4	8 116 1170 39,8	69	400/50/3	1/2 Gas	156x73x123	316	697
190052004				10 145 980 33,4						
190053004				13 188 785 26,7						
190051006	KME B 7 500 E	10 7,5	500 132	8 116 1170 39,8	69	400/50/3	1/2 Gas	197x62x147	356	784
190052006				10 145 980 33,4						
190053006				13 188 785 26,7						
190061004	KME B 11 270 E	15 11	270 71,4	8 116 1610 54,9	69	400/50/3	3/4 Gas	156x73x140	340	749
190062004				10 145 1462 49,9						
190063004				13 188 1166 39,7						
190061006	KME B 11 500 E	15 11	500 132	8 116 1610 54,9	69	400/50/3	3/4 Gas	197x73x147	381	839
190062006				10 145 1462 49,9						
190063006				13 188 1166 39,7						
190071004	KME B 15 270 E	20 15	270 71,4	8 116 2090 73,8	69	400/50/3	3/4 Gas	156x73x140	349	769
190072004				10 145 1990 67,8						
190073004				13 188 1600 56,5						
190071006	KME B 15 500 E	20 15	500 132	8 116 2090 73,8	69	400/50/3	3/4 Gas	151x73x147	397	875
190072006				10 145 1990 67,8						
190073006				13 188 1600 56,5						

# SERIE KME C PLUS

KME C PLUS SERIES

The KME C PLUS series, a Poly-V belt-driven system with cast-iron taper-hub pulleys, always ensures the highest reliability in any work condition, minimizing power losses and guaranteeing a low noise level for each revolution and a perfect alignment of the rotating elements. Thanks to the system of sliding plate for the electric motor, the belt tightening process is made easier, allowing its accurate adjustment. The KME C PLUS series entwines the benefits of a compact screw compressor, with low installation and management costs and excellent performance, mainly in the applications requiring continuous running. Total function control through a user-friendly electronic board. Reduced overall dimensions and simplified installation are a winning card to overcome space problems. Cost savings are huge. There are no added installation charges for desiccant dryers and tank components, since they are wholly assembled. Air leakage from connection pipes is also absent.



MADE IN ITALY



THIS COMPRESSOR IS AVAILABLE IN THE FOLLOWING VERSIONS:



on ground



with dryer



on tank with or without dryer

The floor-standing unit can be integrated with a dryer and tank even later on.



## COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Top-notch pumping system with Integrated unit guarantees extremely reduced overall dimensions grouping together, the following components:

- Oil-injected air-end
- Intake valve
- Minimum pressure valve
- Tank separator
- Thermostatic valve

These air-ends ensure little wear-and-tear, high efficiency, long-lastingness and reliability.



## HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3: it guarantees compliance with the minimum efficiency requirements (MEPS) specified by the EU community. This first-class performance guarantees energy savings over time and the best in class reliability of a high standard certified product.

Cooling circuit

Greatest energy efficiency

High performance electric motor

Belt driven

Low noise levels

Electronic control board

Fast and economical maintenance

Packsmart



SISTEMA

KME C15







### DRIVING SYSTEM

Coupling of electrical engine with compression unit has to guarantee driving stability during a work phase. The plate system with a sliding electrical motor is designed to prevent stress to rotating parts.

Our machine, availing itself of a poly-v belt-driven system with cast-iron taper-hub pulleys, always ensures the utmost reliability in any work condition and limits power loss with low noise level of rotating elements together with their perfect alignment. Moreover, an easy system of belt tightening allows an accurate adjustment of the belt itself.



### SOFT STARTER SYSTEM

The optional soft starter system controls effectively motor startup and acceleration providing smoother startups than conventional Start-Delta systems. The soft starter system improves startup by controlling the power delivered to the motor, thus increasing performance and reliability of the entire system.



### ELECTRONIC CONTROL BOARD

Based on direct, user-friendly reading, it runs all the machine functions safely through a microprocessor, from control of safety alarms (oil temperature, electrical engine, control of cooling electrical fan, maintenance time) to command systems (start-stop, alarm reset). The access to all microprocessor functions is protected by password (supplied only to authorized staff).



### AIR-OIL RADIATORS

Package model, with a wide exchange surface, designed to maintain a low level of flows and air even in an environmental condition with high temperatures. Vacuum-brazed radiators in aluminium alloy with highly efficient tubular parts.



### THE CONVENIENCE OF A KTRONIC 100 CONTROLLED TOUCH SCREEN

A KTRONIC 100 controlled touch screen is optionally available for the KME C PLUS series: performance and maintenance are easily monitored.

The KTRONIC 100 makes remote monitoring of the compressor possible when an LAN connection is present. Energy savings are possible thanks to a built-in timer that allows adjustment of the working pressure around the clock.

A log of the working state of the compressor is automatically kept providing invaluable data when optimizing the cost of compressed air.



### SYSTEM OF AIR PRE-FILTER AND VENTILATION

The KME C PLUS series mounts a pre-filter that guarantees the utmost internal component protection, by filtering all the machine air intake. A high flow-rate electrical fan, almost noise-free, leads all the air flow into just one point, keeping up the right thermal balance for all the internal components.



### REMOTE CONTROL AND CONNECTIVITY

The KTRONIC 100 electronic controller can be connected to a LAN, doing so, allows monitoring and management of the compressor from a remote PC or smartphone. The USB port can be used to: export compressor's data for in depth analysis, and to manage software updates.



### NOISE KEPT AT A MINIMUM

KME C PLUS is fitted with a professional grade double thickness soundproofing foam with fire retardant and oil resistant characteristics for maximum protection and easy cleaning.



### MAINTENANCE

All internal parts are easily accessible without any operating difficulty. Replacement of oil-air filters and filter separators takes place by simply disassembling a panel, which is remarkably time-saving and cost-reducing.

## KME C PLUS 4-15

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight	Imballo Package	Peso imballo Package weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs	L x D x H (cm)	Kg Lbs
<b>KME C 4-15 PLUS 4-15 A terra / Ground</b>												
1610313X1	KME C 4 PLUS	5,5 4	/ /	8 116	550 19,40	65	400/50/3	1/2 Gas	80x63x95	113 249	90x73x118	125 276
1610323X1				10 145	490 17,30							
1610333X1				13 188	381 13,50							
1610413X1	KME C 5 PLUS	7,5 5,5	/ /	8 116	805 28,40	66	400/50/3	1/2 Gas	80x63x95	116 256	90x73x118	128 282
1610423X1				10 145	690 24,40							
1610433X1				13 188	561 19,80							
1610513X1	KME C 7 PLUS	10 7,5	/ /	8 116	1170 39,80	67	400/50/3	1/2 Gas	80x63x95	159 350	90x73x118	171 377
1610523X1				10 145	980 33,40							
1610533X1				13 188	785 26,70							
1610613X1	KME C 11 PLUS	15 11	/ /	8 116	1610 54,90	68	400/50/3	3/4 Gas	84x73x101	219 482	90x73x118	237 522
1610623X1				10 145	1462 49,90							
1610633X1				13 188	1166 39,70							
1610713X1	KME C 15 PLUS	20 15	/ /	8 116	2090 73,80	68	400/50/3	3/4 Gas	84x73x101	228 502	90x73x118	246 542
1610723X1				10 145	1990 67,80							
1610733X1				13 188	1600 56,50							
<b>KME C 4-15 PLUS A terra con essiccatore / On ground with dryer</b>												
1610313X2	KME C 4 PLUS E	5,5 4	/ /	8 116	550 19,40	65	400/50/3	1/2 Gas	106x63x95	146 322	115x80x112	158 348
1610323X2				10 145	490 17,30							
1610333X2				13 188	381 13,50							
1610413X2	KME C 5 PLUS E	7,5 5,5	/ /	8 116	805 28,40	66	400/50/3	1/2 Gas	106x63x95	149 328	115x80x112	161 355
1610423X2				10 145	690 24,40							
1610433X2				13 188	561 19,80							
1610513X2	KME C 7 PLUS E	10 7,5	/ /	8 116	1170 39,80	67	400/50/3	1/2 Gas	106x63x95	192 423	115x80x112	204 449
1610523X2				10 145	980 33,40							
1610533X2				13 188	785 26,70							
1610613X2	KME C 11 PLUS E	15 11	/ /	8 116	1610 54,90	68	400/50/3	3/4 Gas	110x73x101	262 578	115x80x112	280 617
1610623X2				10 145	1462 49,90							
1610633X2				13 188	1166 39,70							
1610713X2	KME C 15 PLUS E	20 15	/ /	8 116	2090 73,80	68	400/50/3	3/4 Gas	110x73x101	270 595	115x80x112	288 635
1610723X2				10 145	1990 67,80							
1610733X2				13 188	1600 56,50							

## KME C PLUS 4-15 TANK

Codice Code	Modello Type	Potenza Motore Motor Power	Serbatoio Tank	Pressione Max Max .Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight	Imballo Package	Peso imballo Package weight
		Hp Kw	Lt Gal	Bar Psi	ℓ/min C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg Lbs	L x D x H (cm)	Kg Lbs
<b>KME C 4-15 PLUS Su serbatoio / On tank</b>												
1610313X3	KME C 4/270 PLUS	5,5 4	270 71,4	8 116	550 19,40	65	400/50/3	1/2 Gas	149x60x147	240 529	152x73x180	263 580
1610323X3				10 145	490 17,30							
1610333X3				13 188	381 13,50							
1610413X3	KME C 5/270 PLUS	7,5 5,5	270 71,4	8 116	805 28,40	66	400/50/3	1/2 Gas	149x60x147	243 535	152x73x180	266 587
1610423X3				10 145	690 24,40							
1610433X3				13 188	561 19,80							
1610413X5	KME C 5/500 PLUS	7,5 5,5	500 132	8 116	805 28,40	66	400/50/3	1/2 Gas	190x60x156	283 623	202x82x190	314 692
1610423X5				10 145	690 24,40							
1610433X5				13 188	561 19,80							
1610513X3	KME C 7/270 PLUS	10 7,5	270 71,4	8 116	1170 39,80	67	400/50/3	1/2 Gas	149x60x147	286 617	152x73x180	309 681
1610523X3				10 145	980 33,40							
1610533X3				13 188	785 26,70							
1610513X5	KME C 7/500 PLUS	10 7,5	500 132	8 116	1170 39,80	67	400/50/3	1/2 Gas	190x60x156	326 718	202x82x190	357 787
1610523X5				10 145	980 33,40							
1610533X5				13 188	785 26,70							
1610613X3	KME C 11/270 PLUS	15 11	270 71,4	8 116	1610 54,90	68	400/50/3	3/4 Gas	149x69x152	297 654	152x73x180	320 706
1610623X3				10 145	1462 49,90							
1610633X3				13 188	1166 39,70							
1610613X5	KME C 11/500 PLUS	15 11	500 132	8 116	1610 54,90	68	400/50/3	3/4 Gas	190x69x161	337 742	202x82x190	370 816
1610623X5				10 145	1462 49,90							
1610633X5				13 188	1166 39,70							
1610713X3	KME C 15/270 PLUS	20 15	270 71,4	8 116	2090 73,80	68	400/50/3	3/4 Gas	149x69x152	306 674	152x73x180	329 725
1610723X3				10 145	1990 67,80							
1610733X3				13 188	1600 56,50							
1610713X5	KME C 15/500 PLUS	20 15	500 132	8 116	2090 73,80	68	400/50/3	3/4 Gas	190x69x161	347 765	202x82x190	380 838
1610723X5				10 145	1990 67,80							
1610733X5				13 188	1600 56,50							
<b>KME C 4-15 PLUS Su serbatoio con essiccatore / On tank with dryer</b>												
1610313X4	KME C 4/270 PLUS E	5,5 4	270 71,4	8 116	550 19,40	65	400/50/3	1/2 Gas	149x60x147	270 595	152x73x180	293 646
1610323X4				10 145	490 17,30							
1610333X4				13 188	381 13,50							
1610413X4	KME C 5/270 PLUS E	7,5 5,5	270 71,4	8 116	805 28,40	66	400/50/3	1/2 Gas	149x60x147	273 601	152x73x180	296 653
1610423X4				10 145	690 24,40							
1610433X4				13 188	561 19,80							
1610413X6	KME C 5/500 PLUS E	7,5 5,5	500 132	8 116	805 28,40	66	400/50/3	1/2 Gas	190x60x156	313 690	202x82x190	344 759
1610423X6				10 145	690 24,40							
1610433X6				13 188	561 19,80							
1610513X4	KME C 7/270 PLUS E	10 7,5	270 71,4	8 116	1170 39,80	67	400/50/3	1/2 Gas	149x60x147	316 697	152x73x180	339 747
1610523X4				10 145	980 33,40							
1610533X4				13 188	785 26,70							
1610513X6	KME C 7/500 PLUS E	10 7,5	500 132	8 116	1170 39,80	67	400/50/3	1/2 Gas	190x60x156	356 784	202x82x190	387 853
1610523X6				10 145	980 33,40							
1610533X6				13 188	785 26,70							
1610613X4	KME C 11/270 PLUS E	15 11	270 71,4	8 116	1610 54,90	68	400/50/3	3/4 Gas	149x69x152	340 749	152x73x180	363 800
1610623X4				10 145	1462 49,90							
1610633X4				13 188	1166 39,70							
1610613X6	KME C 11/500 PLUS E	15 11	500 132	8 116	1610 54,90	68	400/50/3	3/4 Gas	190x69x161	381 839	202x82x190	414 913
1610623X6				10 145	1462 49,90							
1610633X6				13 188	1166 39,70							
1610713X4	KME C 15/270 PLUS E	20 15	270 71,4	8 116	2090 73,80	68	400/50/3	3/4 Gas	149x69x152	349 769	152x73x180	372 820
1610723X4				10 145	1990 67,80							
1610733X4				13 188	1600 56,50							
1610713X6	KME C 15/500 PLUS E	20 15	500 132	8 116	2090 73,80	68	400/50/3	3/4 Gas	190x69x161	397 875	202x82x190	430 948
1610723X6				10 145	1990 67,80							
1610733X6				13 188	1600 56,50							

# SERIE KME PLUS

## KME PLUS SERIES

The KME PLUS series, Poly V belt-driven, guarantees important and cutting-edge advantages in virtue of KTC's development in engineering and pioneering technology and is embodied by a compact, easy-to-use system, occupying just a modest amount of space, with a noticeable power efficiency and a significant long lifecycle. Total function control through a user-friendly electronic board. Extremely low noise levels as well as reduced maintenance costs and times. A Poly-V belt-driven system and cast-iron taper-hub pulleys ensuring the highest reliability in any work condition. Reduced overall dimensions and simplified installation are a winning card to overcome space problems.



MADE IN ITALY



### EXTREMELY COMPACT, GROUNDED, SMALL-FOOTPRINT COMPRESSOR

Special care has been given to the design of the compressor internal structure. The motor and the main running parts of the compressor are fixed to a unique load-bearing frame with anti-vibration elements that isolate all the running components from the rest of the structure and remain free from any fastenings to external panels of noise insulation.

### COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Manufactured with the objective of an efficient and long-lasting steady performance, all of our air-ends guarantee a better air flowrate with minimum energy consumption. Equipped with wear-and-tear resistant bearings and highly sophisticated machined components and these air-ends make an extremely low level of noise during their work phase and require very low maintenance costs. Top-notch pumping system with integrated unit allows extremely reduced overall dimensions, grouping together the following components:

- Oil-injected air-end
- Minimum pressure valve
  - Thermostatic valve
  - Intake valve
- Tank separator





Cooling circuit

Greatest energy efficiency

High performance electric motor

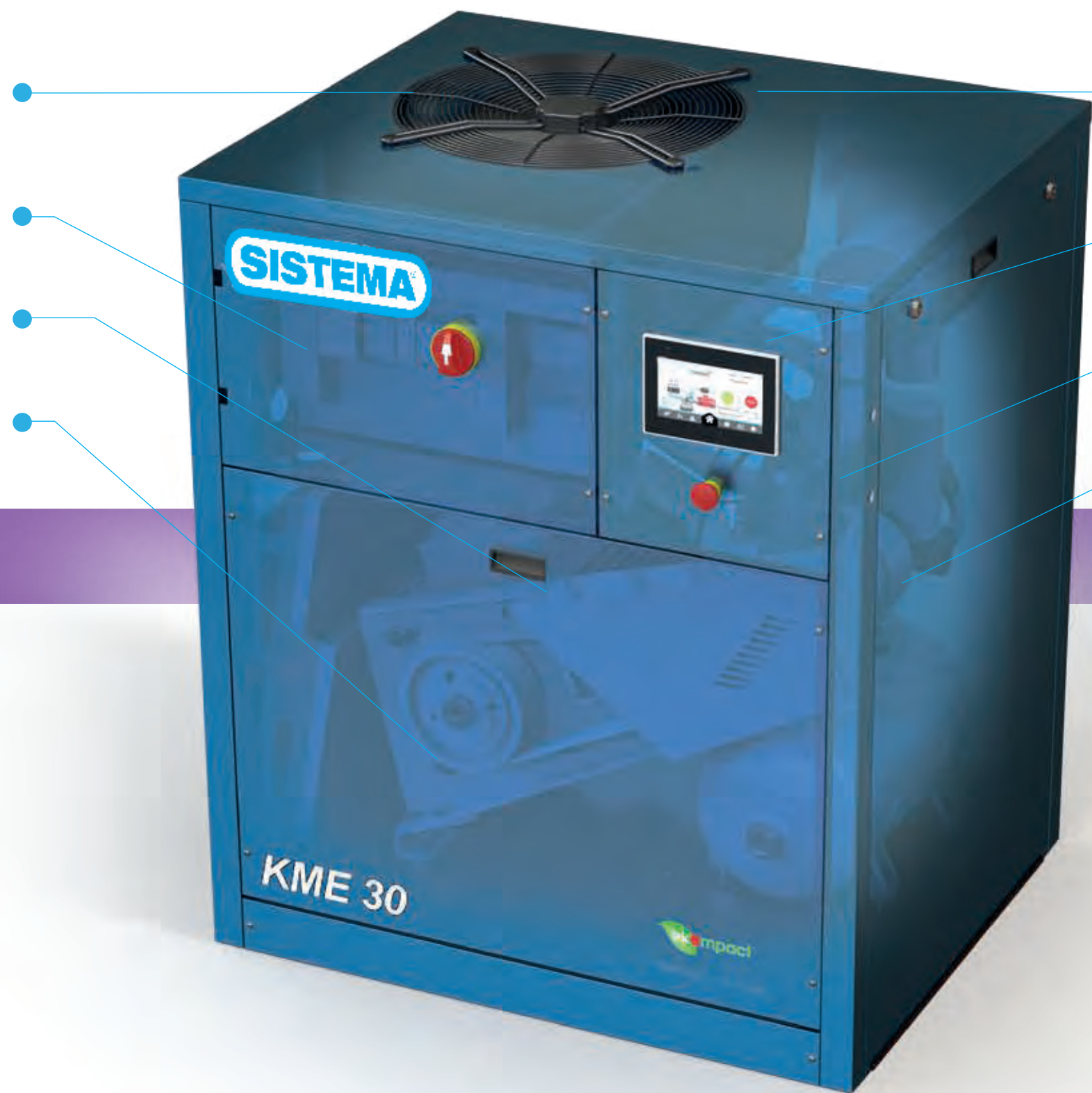
Belt driven

Low noise levels

Electronic control board

Fast and economical maintenance

Packsmart



KME 30





### HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3: it guarantees compliance with the minimum efficiency requirements (MEPS) specified by the EU community. This first-class performance guarantees energy savings over time and the best in class reliability of a high standard certified product.



### DRIVING SYSTEM

Coupling of electrical engine with compression unit has to guarantee driving stability during a work phase. The plate system with a sliding electrical motor is designed to prevent stress to rotating parts. Our machine, availing itself of a poly-v belt-driven system with cast-iron taper-hub pulleys, always ensures the utmost reliability in any work condition and limits power loss with low noise level of rotating elements together with their perfect alignment. Moreover, an easy system of belt tightening allows an accurate adjustment of the belt itself.



### ELECTRONIC CONTROL BOARD

Based on direct, user-friendly reading, it runs all the machine functions safely through a microprocessor, from control of safety alarms (oil temperature, electrical engine, control of cooling electrical fan, maintenance time) to command systems (start-stop, alarm reset). The access to all microprocessor functions is protected by password (supplied only to authorized staff).



### THE CONVENIENCE OF A KTRONIC 100 CONTROLLED TOUCH SCREEN

A KTRONIC 100 controlled touch screen is optionally available for the KME PLUS series: performance and maintenance are easily monitored. The KTRONIC 100 makes remote monitoring of the compressor possible when an LAN connection is present. Energy savings are possible thanks to a built-in timer that allows adjustment of the working pressure around the clock. A log of the working state of the compressor is automatically kept providing invaluable data when optimizing the cost of compressed air.



### REMOTE CONTROL AND CONNECTIVITY

The KTRONIC 100 electronic controller can be connected to a LAN, doing so, allows monitoring and management of the compressor from a remote PC or smartphone. The USB port can be used to: export compressor's data for in depth analysis, and to manage software updates.



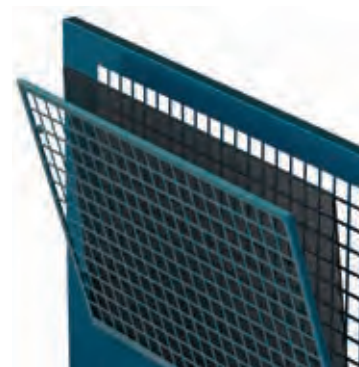
### SOFT STARTER SYSTEM

The optional soft starter system controls effectively motor startup and acceleration providing smoother startups than conventional Start-Delta systems. The soft starter system improves startup by controlling the power delivered to the motor, thus increasing performance and reliability of the entire system.



### AIR-OIL RADIATORS

Package model, with a wide exchange surface, designed to maintain a low level of flows and air even in an environmental condition with high temperatures. Vacuum-brazed radiators in aluminium alloy with highly efficient tubular parts.



### SYSTEM OF AIR PRE-FILTER

Engineered to be easily disassembled and cleaned, this component is of vital importance for a long-lasting air intake filter maintenance and air-end performance.



### NOISE KEPT AT A MINIMUM

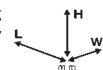
KME PLUS is fitted with a professional grade double thickness soundproofing foam with fire retardant and oil resistant characteristics for maximum protection and easy cleaning.

### MAINTENANCE

All internal parts are easily accessible without any operating difficulty. Replacement of oil-air filters and filter separators takes place by simply disassembling a panel, which is remarkably time-saving and cost-reducing.

## KME PLUS 18-55 A TERRA / ON GROUND

Codice Code	Modello Type	Potenza Motore Motor Power	Pressione Max Max. Pressure	Portata Aria Air Flow-rate	L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight
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Codice Code	Modello Type	Potenza Motore Motor Power		Pressione Max Max. Pressure		Portata Aria Air Flow-rate	C.F.M.	L. Sonoro Sound L. dB[A]	Volt Voltage	Attacco Connection	Dimensioni Dimensions L x D x H (cm)	Kg	Lbs
		Hp	Kw	Bar	Psi								
KME 18-30 PLUS Trasmisione a cinghia / Belt drive													
1210813X1	KME 18 PLUS	25	18,5	8	116	2880	101	67	400/50/3	1"1/4	106x86x124	375	826
1210823X1				10	145	2540	89						
1210833X1				13	188	1920	68						
1210913X1	KME 22 PLUS	30	22	8	116	3440	121	67	400/50/3	1"1/4	106x86x124	427	941
1210923X1				10	145	3020	106						
1210933X1				13	188	2460	86						
1211013X1	KME 30 PLUS	40	30	8	116	4730	167	68	400/50/3	1"1/4	106x86x124	460	1013
1211023X1				10	145	4210	148						
1211033X1				13	188	3310	116						
1211113X1	KME 37 PLUS	50	37	8	116	5700	201	70	400/50/3	1"1/2	195x107x180	960	2116
1211123X1				10	145	5000	176						
1211133X1				13	188	4250	150						
1211213X1	KME 45 PLUS	60	45	8	116	7150	252	70	400/50/3	1"1/2	195x107x180	1070	2560
1211223X1				10	145	6200	219						
1211233X1				13	188	5300	187						
1211313X1	KME 55 PLUS	75	55	8	116	8625	304	70	400/50/3	1"1/2	195x107x180	1220	2690
1211323X1				10	145	7500	265						
1211333X1				13	188	6375	225						



# KLE D PLUS

## KLE D SERIES

The KLE D PLUS series, direct driven, guarantees important and cutting-edge advantages in virtue of SISTEMA's development in engineering and pioneering technology and is embodied by a compact, easy-to-use system, occupying just a modest amount of space, with a noticeable power efficiency and a significant long lifecycle. Total function control through a user-friendly electronic board. Extremely low noise levels as well as reduced maintenance costs and times. Direct driven system and hi-efficiency motor ensuring the highest reliability in any work condition. Reduced overall dimensions and simplified installation are a winning card to overcome space problems.

### EXTREMELY COMPACT, GROUNDED, SMALL-FOOTPRINT COMPRESSOR.

Special care has been given to the design of the compressor internal structure. The motor and the main running parts of the compressor are fixed to a unique load-bearing frame with anti-vibration elements that isolate all the running components from the rest of the structure and remain free from any fastenings to external panels of noise insulation.



### COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Manufactured with the objective of an efficient and long-lasting steady performance, all of our air-ends guarantee a better air flowrate with minimum energy consumption. Equipped with wear-and-tear resistant bearings and highly sophisticated machined components, these air-ends make an extremely low level of noise during their work phase and require very low maintenance costs. Top-notch pumping system with integrated unit allows extremely reduced overall dimensions, grouping together the following components:

- Oil-injected air-end
- Minimum pressure valve
- Thermostatic valve
- Intake valve
- Tank separator



Controller touch screen

Greatest energy efficiency

High performance electric motor

Low noise levels

Direct driven

Fast and economical maintenance

Energy recovery system (37-45-55 Kw)

Packsmart



SISTEMA

KLED IE3







### HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3 it guarantees compliance with the minimum efficiency requirements (MEPS) specified by the EU community. This first-class performance guarantees energy savings over time and the best in class reliability of a high standard certified product.



### DRIVING SYSTEM

Direct-driven compressors with a 1:1 ratio. This means that the air-end and motor, directly connected via a coupling, rotate at the same speed. This not only reduces energy consumption and maintenance need, but it also decreases the level of noise. The use of high-efficiency motors\* provide saving if compared to the performance of traditional compressors.

\* Combined with direct driven transmission.

### ELECTRONIC CONTROL BOARD

Based on direct, user-friendly reading, it runs all the machine functions safely through a microprocessor, from control of safety alarms (oil temperature, electrical engine, control of cooling electrical fan, maintenance time) to command systems (start-stop, alarm reset). The access to all microprocessor functions is protected by password (supplied only to authorized staff).



### SOFT STARTER SYSTEM

The optional soft starter system controls effectively motor startup and acceleration providing smoother startups than conventional Start-Delta systems. The soft starter system improves startup by controlling the power delivered to the motor, thus increasing performance and reliability of the entire system.



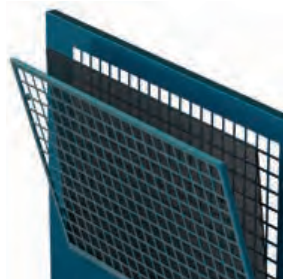
### AIR-OIL RADIATORS

Package model, with a wide exchange surface, designed to maintain a low level of flows and air even in an environmental condition with high temperatures. Vacuum-brazed radiators in aluminium alloy with highly efficient tubular parts.



### SYSTEM OF AIR PRE-FILTER

Engineered to be easily disassembled and cleaned, this component is of vital importance for a long-lasting air intake filter maintenance and air-end performance.



### THE CONVENIENCE OF A KTRONIC 100 CONTROLLED TOUCH SCREEN

A KTRONIC 100 controlled touch screen is optionally available for the KME PLUS series: performance and maintenance are easily monitored.

The KTRONIC 100 makes remote monitoring of the compressor possible when an LAN connection is present. Energy savings are possible thanks to a built-in timer that allows adjustment of the working pressure around the clock. A log of the working state of the compressor is automatically kept providing invaluable data when optimizing the cost of compressed air.



### REMOTE CONTROL AND CONNECTIVITY

The KTRONIC 100 electronic controller can be connected to a LAN, doing so, allows monitoring and management of the compressor from a remote PC or smartphone. The USB port can be used to: export compressor's data for in depth analysis, and to manage software updates.



### NOISE KEPT AT A MINIMUM

KLE D PLUS is fitted with a professional grade double thickness soundproofing foam with fire retardant and oil resistant characteristics for maximum protection and easy cleaning.



### MAINTENANCE













All internal parts are easily accessible without any operating difficulty. Replacement of oil-air filters and filter separators takes place by simply disassembling a panel, which is remarkably time-saving and cost-reducing.

### EXTENDED WARRANTY

KLE D PLUS offers a choice of cover to ensure your air is always efficient. Packages SMART 36m - SMART 48m - SMART 60m provide the benefits of a range of extended warranty from three to five years. This is ideal for where compressed air is an important part of your company's processes. A specific maintenance program with dedicated kits, will assure easy and cost effective compressors' maintenance. The three packages extended warranties can be purchased with a simple one-time fee.



## KLE D 18-55 PLUS

Codice Code	Modello Type	Potenza Motore Motor Power		Pressione Max Max .Pressure		Portata Aria Air Flow-rate		L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight		Imballo Package		Peso imballo Package weight	
		Hp	Kw	Bar	Psi	ℓ/min	C.F.M.	dB[A]			L x D x H (cm)	Kg	Lbs	L x D x H (cm)	Kg	Lbs	
           																	
KLE D 18-55 PLUS Trasmissione a cinghia / Belt drive																	
131082301	KLE D 18 PLUS	25	18	10	145	2500	88,00	67	400/50/3	1-1/4"	166x76x142	360	794	202x82x190	360	794	
131112301	KLE D 37 PLUS	50	37	10	145	4820	169,66	67	400/50/3	1-1/2"	195x107x180	960	2116	214x108x190	990	2183	
131121301	KLE D 45 PLUS	60	45	8	116	6850	241,12	68	400/50/3	1-1/2"	195x107x180	1070	2360	214x108x190	1100	2425	
131131301	KLE D 55 PLUS	75	55	10	145	6750	268,40	68	400/50/3	1-1/2"	195x107x180	1220	2690	214x108x190	1250	2756	

# KLE PLUS

## KLE SERIES

The KLE PLUS series comprises a range of compressors at variable speed with inverter. They are designed to optimize energy consumption when running at intervals.

Direct-driven with an innovative separator tank device and the use of energy efficient motors, the KLE PLUS compressors offer remarkable advantages in terms of user-friendliness, reliability, high energy savings, low noise levels and reduced maintenance costs.

The KLE PLUS series, installed in systems with discontinuous air consumption, ensures reduction of energy costs as it is able to adjust the speed of the electric motor revolutions and accordingly the speed of the air-end based on the company consumption of compressed air keeping constant the running pressure of the plant.

This operation mode saves energy by establishing an ideal balance between energy consumption and compressed air release.



### COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Manufactured with the objective of an efficient and long-lasting steady performance, all of our air-ends guarantee a better air flowrate with minimum energy consumption. equipped with wear-and-tear resistant bearings and highly sophisticated machined components, these air-ends make an extremely low level of noise during their work phase and require very low maintenance costs. Top-notch pumping system with integrated unit allows extremely reduced overall dimensions, grouping together the following components:

- Oil-injected air-end
- Minimum pressure valve
- Thermostatic valve
- Intake valve
- Tank separator





Controller touch screen

Greatest energy efficiency

High performance electric motor

Motor control with inverter



Low noise levels

Direct driven

Fast and economical maintenance

Energy recovery system (37-45-55 Kw)

Packsmart







### HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3 it guarantees compliance with the minimum efficiency requirements (MEPS) specified by the EU community. This first-class performance guarantees energy savings over time and the best in class reliability of a high standard certified product.



### DRIVING SYSTEM

Direct-driven compressors with a 1:1 ratio. This means that the air-end and motor, directly connected via a coupling, rotate at the same speed. This not only reduces energy consumption and maintenance need, but it also decreases the level of noise. The use of high-efficiency motors\* provide saving if compared to the performance of traditional compressors.

\* Combined with direct driven transmission.



### MOTOR CONTROL WITH INVERTER

The Inverter Technology characterizes the range of KLE screw compressors. The electronic rotation speed regulation system of the air-end-engine group will follow the need of compressed air modifying the production depending on the request.

Therefore the best optimization of absorption of energy from the electric grid is achieved, in proportion to the production of compressed air required by the system.

The KLE Plus range offers Ktronic 100 in combination with the inverter allowing local monitoring of the functioning of the compressor and the presence of possible alarms - and remotely with an internet connection monitoring.



### THE CONVENIENCE OF A KTRONIC 100 CONTROLLED TOUCH SCREEN

A KTRONIC 100 controlled touch screen is optionally available for the KME PLUS series: performance and maintenance are easily monitored.

The KTRONIC 100 makes remote monitoring of the compressor possible when an LAN connection is present. Energy savings are possible thanks to a built-in timer that allows adjustment of the working pressure around the clock. A log of the working state of the compressor is automatically kept providing invaluable data when optimizing the cost of compressed air.



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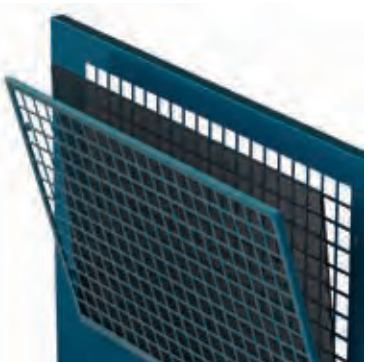
### AIR-OIL RADIATORS

Package model, with a wide exchange surface, designed to maintain a low level of flows and air even in an environmental condition with high temperatures. Vacuum-brazed radiators in aluminium alloy with highly efficient tubular parts.



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### EXTENDED WARRANTY

KLE PLUS offers a choice of cover to ensure your air is always efficient. Packages SMART 36m - SMART 48m - SMART 60m provide the benefits of a range of extended warranty from three to five years. This is ideal for where compressed air is an important part of your company's processes. A specific maintenance program with dedicated kits, will assure easy and cost effective compressors' maintenance. The three packages extended warranties can be purchased with a simple one-time fee.

## KLE PLUS 11-55

Codice Code	Modello Type	Potenza Motore Motor Power		Pressione Max Max Pressure		Portata Aria Air Flow-rate				L. Sonoro Sound L.	Volt Voltage	Attacco Connection	Dimensioni Dimensions	Peso Weight	
		Hp	Kw	Bar	Psi	ℓ/min	C.F.M./min	ℓ/max	C.F.M./max	dB[A]			L x D x H (cm)	Kg	Lbs
131061322	KLE 11 PLUS	15	11	8	116	390	11,30	1720	60,74	64	400/50/3	3/4	134x70x120	320	705
131062322				10	145	350	9,89	1440	50,85						
131063322				13	188	280	6,00	1120	39,55						
131071322	KLE 15 PLUS	20	15	8	116	250	11,30	2200	82,30	64	400/50/3	3/4	134x70x120	330	728
131072322				10	145	280	9,89	2170	70,60						
131073322				13	188	320	6,00	1660	56,50						
131081322	KLE 18 PLUS	25	18	8	116	860	40,60	2950	97,80	66	400/50/3	1-1/4"	166x76x142	360	794
131082322				10	145	815	37,78	2510	84,40						
131083322				13	188	1050	24,01	2020	68,50						
131091322	KLE 22 PLUS	30	22	8	116	860	40,60	3700	123,60	66	400/50/3	1-1/4"	166x76x142	420	926
131092322				10	145	815	37,78	3475	106,00						
131093322				13	188	980	24,01	2800	85,50						
131101322	KLE 30 PLUS	40	30	8	116	870	40,60	4710	166,30	66	400/50/3	1-1/4"	166x76x142	530	1168
131102322				10	145	850	37,78	4470	143,30						
131103322				13	188	1010	24,01	3600	119,00						
131111322	KLE 37 PLUS	50	37	8	116	1740	78,38	5800	217,20	66	400/50/3	1-1/2"	195x107x180	960	2116
131112322				10	145	1520	77,68	5510	192,50						
131113322				13	188	1490	76,97	4560	164,50						
131121322	KLE 45 PLUS	60	45	8	116	1740	78,38	7380	260,60	66	400/50/3	1-1/2"	195x107x180	1070	2360
131122322				10	145	1520	77,68	6570	232,00						
131123322				13	188	1490	76,97	5660	200,00						
131131322	KLE 55 PLUS	75	55	8	116	1970	89,33	8780	310,00	66	400/50/3	1-1/2"	195x107x180	1220	26906
131132322				10	145	1880	87,56	7600	268,40						
131133322				13	188	1680	81,56	6350	224,25						



# COMPACT VSD 500 INVERTER





Greatest energy efficiency

Designed as a big compressor

Fast and economical maintenance

Anti-condensation system integrated

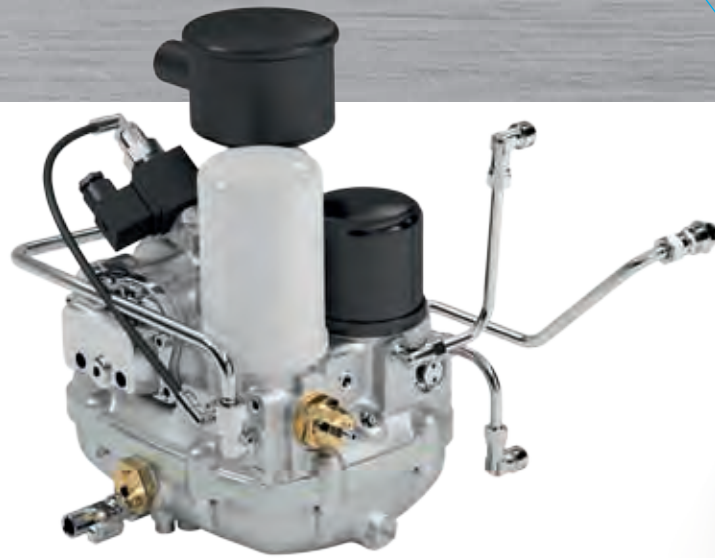
Best performance in just a small amount of space

Electronic control board

Turnkey products with an aluminum case

Cooling circuit

Low noise levels



## JUST ONE STANDARD: EXCELLENCE

COMPACK embodies the greatest Sistema's technological innovation. Sistema's Research and Development Dept. oriented towards the greatest user-friendliness of a screw compressor fulfills this approach with COMPACK, thanks to a great number of customized applications and solutions.

**The reason is that COMPACK has just one standard: excellence.**

COMPACK as a matter of fact is a compact and extremely performing integrated system: all the advantages of an industrial compressor in just a small amount of space.

### Integrated air-end

COMPACK is made up of a state-of-the-art pumping air-end, the most compact in the field, integrating the main components of a screw compressor (air-end, separator tank, thermostatic and minimum pressure valve, intake valve) and being groundbreaking in the choice of materials: a steel core in an aluminum case.

# COMPACT VSD 500

		400-50-3		460-60-3	
Main features					
Air pressure	bar PSI	8 116	10 145	8 116	10 145
Max. Free air delivery	l/min cfm	500 17.7	400 14.5	500 17.7	400 14.5
Nominal power electrical motor	HP kW	3 2.2	3 2.2	3 2.2	3 2.2
Supply voltage-frequency-phase	V/Hz/ph	400/50/3	400/50/3	460/60/3	460/60/3
Air end model		ADAM S60 C	ADAM S60 C	ADAM S60 C	ADAM S60 C
Driving system		direct	direct	direct	direct
Air outlet joint	R	3/8"	3/8"	3/8"	3/8"
Oil quantity	l	1.5	1.5	1.5	1.5
Differential air outlet temperature (respect to the oil temperature)	°C	-10°	-10°	-10°	-10°
Oil residue in the air	ppm	< 3	< 3	< 3	< 3
Air environment temperature limit	°C (min/max)	5° / 46° 41° / 115°	5° / 46° 41° / 115°	5° / 46° 41° / 115°	5° / 46° 41° / 115°
Sound pressure level	dB(A)	< 70	< 70	< 70	< 70
Resistenza riscaldante olio Oil heater		24V - 35W - 1,5A	24V - 35W - 1,5A	24V - 35W - 1,5A	24V - 35W - 1,5A
Tank capacity	l	--	--	--	--
Overall dimensions	mm (LxWxH)	522x425x411	522x425x411	522x425x411	522x425x411
Weight	kg lbs	45 99	45 99	45 99	45 99
Specifiche elettriche / Electrical features					
Electric motor 2 poles		MEC 90	MEC 90	MEC 90	MEC 90
Protection level	IP	54	54	54	54
Insulation Class		F	F	F	F
Duty		S1	S1	S1	S1
Max. Current draw under full load	A	7,3 (400V)	7,3 (400V)	6,3 (460V)	6,7 (460V)
Taratura dei dispositivi di allarme e controllo / Setup for alarm and control devices					
Min-max pressure setting	bar	min 7 max 8	min 9 max 10	min 7 max 8	min 9 max 10
Over-pressure alarm	bar	8,5	10,5	8,5	10,5
Safety valve setup	bar	9	11	9	11
Oil temperature alarm	°C °F	110 230	110 230	110 230	110 230
Overloading protection (fuses)	A	/ (by the user)	/ (by the user)	/ (by the user)	/ (by the user)