

**DIRECT
COUPLING**

INDUSTRIAL SERIES

Air technology system.

KLE PLUS 11 - 55 kW VSD
ROTARY SCREW COMPRESSORS
VARIABLE SPEED DRIVE



KLE PLUS SERIES

Characteristics

- PACK SMART V90-V110-V130-V150
- K-TRONIC 100 TOUCH SCREEN CONTROLLER (OPTIONAL)
- HIGH PERFORMANCE ELECTRIC MOTOR: PREMIUM EFFICIENCY
- VARIABLE SPEED DRIVE MOTOR CONTROL
- HIGH EFFICIENCY, LOW-NOISE COOLING FAN
- DIRECT DRIVEN
- EASY ACCESS FOR QUICK MAINTENANCE
- OIL RESISTANT SOUNDPROOF PANELS
- OVERSIZED AIR-OIL HEAT EXCHANGER
- AFTERCOOLER CONDENSE SEPARATOR (37-45-55 KW)



KLE PLUS series is the range of variable speed compressors equipped with inverters, designed to optimize energy consumption when the air demand is continuously changing while operating.

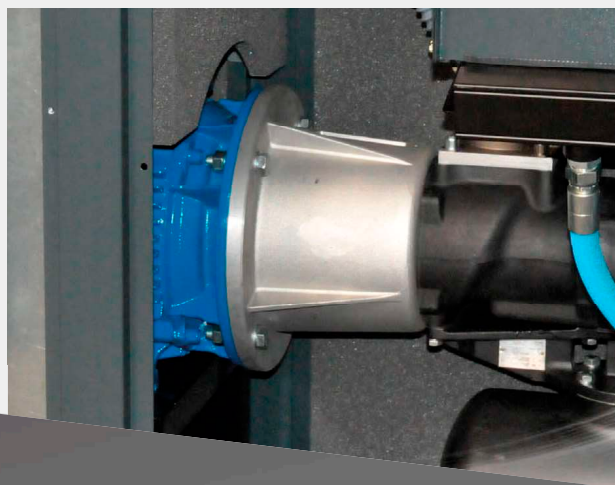
Direct transmission, innovative separation tanks, and high efficiency motors are the main characteristics of the **KLE PLUS** offering to the user considerable advantages in terms of ease of management, reliability, energy saving, silent running, reduced maintenance costs.

The **KLE PLUS** ensures the reduction of energy costs by adjusting the electric motors RPM, and therefore of the air-end, according to the air required to customer's application while maintaining constant the net air pressure.

COUPLING TRANSMISSION SYSTEM

Direct-driven compressors with 1:1 ratio. This means that the air-end and the motor are directly connected by an elastic joint making both units rotating at the same speed.

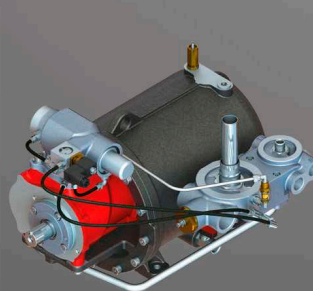
This configuration results in less energy consumption, maintenance cost and noise. The use of high-efficiency motors provide saving if compared to the performance of traditional belt driven compressors.



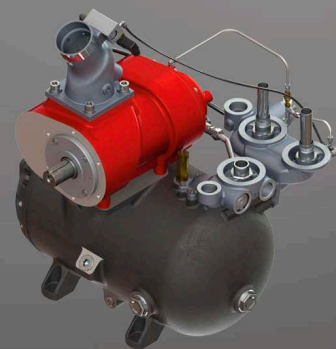
INTEGRATED AIR-ENDS

Designed to obtain an efficient and long-lasting performance, all our air-ends guarantee a better flowrate with minimum energy consumption. These air-ends have an extremely low noise and a very limited maintenance cost thanks to the high quality bearings used as standard equipment. This fully integrated system is composed of the following components:

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



PACK SMART V90C-V110C



PACK SMART V130C-V150C

BENEFITS OF SPEED CONTROL (INVERTER)

The high precision detection of the working pressure and the motor speed control guarantee the perfect flow rate according to the real air demand, with considerable energy savings.



Electronic Controller

The intuitive KTronic 100 touch screen panel permits full access to the functions, parameter control and diagnostics of the unit, increasing the efficiency of the compressor.



REMOTE CONTROL & CONNECTIVITY ALWAYS WITH YOU!

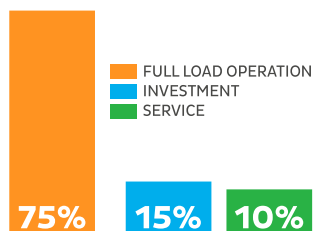
The KTronic 100 can be connected to a LAN allowing the compressor to be monitored and managed from a remote PC or a SMARTPHONE.



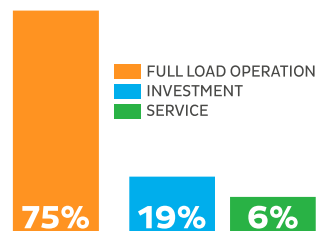
ENERGY SAVING COMPARISON BETWEEN A VSD AND A FIXED SPEED UNIT (LOAD-UNLOAD)

The VSD unit allows the compressor to be very flexible and efficient in responding to changes in air demand. The required air demand is fulfilled through the inverter that constantly adjusts the speed of the electric motor. The real air flow and pressure values are constantly monitored through the electronic controller to guarantee the attainment of the pre-set values. The variable speed units guarantees more flexibility, lower energy consumption and less mechanical stress compared to the load/unload (on/off) version. The VSD unit setting can force the standby mode when the inverter has reached the lowest rotation speed.

FIXED SPEED ROTARY SCREW COMPRESSOR TO 75% AT FULL LOAD.



VARIABLE SPEED ROTARY SCREW COMPRESSOR TO 75% AT FULL LOAD.



KLE SERIES TECHNICAL FEATURES



Heavy duty air filter

Touch screen controller

Variable speed inverter drive

High efficiency electric motor

Low-noise cooling fan

Easy quick maintenance

Compact integrated air-ends PACKSMART

1:1 direct coupling transmission

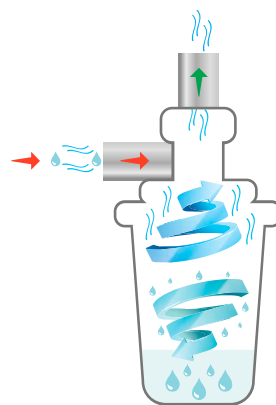
INDUSTRY 4.0 READY

Ready for Industry 4.0: the compressor can be set up to be connected to a local network or remotely via Internet.



FINAL CONDENSE SEPARATOR

Integrated aftercooler condense separator on 37-45-55 kW.



AIR-OIL COOLERS

Wide heat exchange surface, designed to maintain oil and air at best working temperature even in case of severe environmental conditions up to 45 °C ambient.

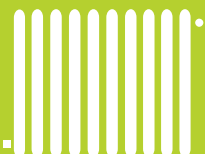


HOT WATER AT NO COST

Hot water up to 70°C for industrial use, sanitary use or for heating can be obtained by recovering the heat from the oil allowing savings of approximately 85% of the generated thermal energy.

"The combination of the heat exchanger with the thermostatic valve and the dedicated pipes circuit can reduce further the costs for generating compressed air."

HEAT RECOVERY AN ALL-ROUND WIN



UP TO
85%

USABLE FOR HEATING



PROCESS, HEATING AND SANITARY USE



UP TO
+70°C

OUT HEAT GENERATED



Technology ed
Eco-Sustainability.
Our philosophy.



Code	Model	Power	Screw	Tank	Pressure	Min Air Flow*	Max Air Flow*	Noise L.**	Voltage	Connection	Dimensions	Weight
EAN		 Hp		 Gal	 Psi	 C.F.M.	 C.F.M.	 dB[A]		 BSP	 L x W x H (cm)	 Kg Lbs

KLE PLUS 11÷55 VSD grounded

131061342	KLE 11 PLUS	15	V90	/	116	15,2	63,9	64	400/50/3	3/4"	138x68x120	800,28
131062342					145	19,1	53,3					
131063342					188	22,6	42,4					
131071342	KLE 15 PLUS	20	V90	/	116	14,5	82,3	65	400/50/3	3/4"	138x68x120	822,32
131072342					145	13,8	70,6					
131073342					188	18,7	56,5					
131081342C	KLE 18 PLUS	25	V110C	/	116	24,7	103,1	66	400/50/3	1-1/4"	166x76x142	1225,8
131082342C					145	37,1	90,4					
131083342C					188	39,9	78,7					
131091342C	KLE 22 PLUS	30	V110C	/	116	33,2	123,6	66	400/50/3	1-1/4"	166x76x142	1325
131092342C					145	33,2	105,9					
131093342C					188	40,5	85,5					
131101342C	KLE 30 PLUS	40	V110C	/	116	33,2	166,3	66	400/50/3	1-1/4"	166x76x142	1448,4
131102342C					145	33,2	143,4					
131103342C					188	37,1	119,0					
131111342	KLE 37 PLUS	50	V130	/	116	49,4	224,9	68	400/50/3	1-1/2"	194x107x180	2169,3
131112342					145	67,1	198,1					
131113342					188	74,2	168,4					
131121342	KLE 45 PLUS	60	V130	/	116	49,4	264,8	69	400/50/3	1-1/2"	194x107x180	2330,3
131122342					145	78,0	236,6					
131123342					188	77,3	204,8					
131131342	KLE 55 PLUS	75	V150	/	116	60,0	317,8	70	400/50/3	1-1/2"	194x107x180	2678,6
131132342					145	58,3	282,5					
131133342					188	71,9	229,5					

* Performances measured according to ISO 1217, annex C.
** Noise level measured according to ISO 2151.

ORIGINAL KTC SPAREPARTS

All the easily removable external panels of the compressor permits easy access to all the components requiring routine maintenance
Choose only KTC's original spare parts to get the best performances for your compressor!



EXTENDED WARRANTY

Choose our SMART60 extension to expand your warranty period up to 5 years!
This is strongly suitable for where compressed air is an important part of your Company's processes.
Our specific scheduled maintenance program with dedicated spare parts kit- will ensure the best compressor performances and reliability.

THE EVOLUTION OF COMPRESSORS

KTC
INDUSTRIAL TECHNOLOGY COMPRESSORS

Codice	Descrizione	FABBRICAZIONE												COMPONENTI INCLUSI NEL KIT										Prezzo listino
		100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	100% COMPACT	
N110738	SPM																							€ 100
N110794	COMPACT SPECIAL ADAMS/RECO 2000 h.																							€ 100
N110796	COMPACT SPECIAL ADAMS/RECO 4000 h.																							€ 100
N110798	COMPACT SPECIAL / COMPACT S / KPM 3.0 2000 h. JANO																							€ 100
N110797	COMPACT SPECIAL / COMPACT S 4000 h.																							€ 100
N110862	COMPACT 6-5-7 a 9-10-13bar 2000 h.																							€ 100
N110863	COMPACT 6-5-7 a 9-10-13bar 4000 h.																							€ 100
N110864	COMPACT 4-5-10 a 9-10-13bar COMPACT S																							€ 100
N110866	COMPACT S a 10bar 8000 h.																							€ 100

KTC S.p.A.
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Tel. 02 574941 - Fax 02 574942
E-mail: ktc@ktc.it

CONTRATTO DI GARANZIA SMART 60 - 5 ANNI

Garanzia

Nome cliente: _____

Cognome: _____

Indirizzo: _____

CAP: _____ Città: _____

Prov.: _____ Tel.: _____

Mod. Macchina: _____

Codice Macchina: _____

Data acquisto: _____

Firma cliente: _____

Firma KTC: _____

CLAVOLE DEL CONTRATTO:

1. **OGGETTO:** Il presente contratto ha per oggetto la garanzia di 5 anni (o 50.000 ore) per le macchine KTC SMART 60 - 5 ANNI, che sono state acquistate da KTC S.p.A. o da un suo concessionario.

2. **SCOPO:** Il presente contratto ha lo scopo di garantire al cliente la massima affidabilità e la migliore performance delle macchine KTC SMART 60 - 5 ANNI.

3. **CONDIZIONI:** La garanzia è valida per le macchine KTC SMART 60 - 5 ANNI che sono state acquistate da KTC S.p.A. o da un suo concessionario.

4. **ESCLUSIONI:** La garanzia non copre i danni causati da uso improprio, manutenzione inadeguata, o da eventi di forza maggiore.

5. **PREZZI:** I prezzi delle parti sostituite sono a carico del cliente.

6. **MODALITÀ:** La garanzia è valida per le macchine KTC SMART 60 - 5 ANNI che sono state acquistate da KTC S.p.A. o da un suo concessionario.





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