

# KLE PLUS 11÷55 kW

INVERTER DRIVE

## CHARACTERISTICS

- ① PACK SMART  
V90-V110-V130-V150
- ② CONTROLLER K-TRONIC 100  
TOUCH SCREE
- ③ HIGH PERFORMANCE ELECTRIC  
MOTOR:  
GREATEST ENERGY EFFICIENCY
- ④ MOTOR CONTROL WITH INVERTER
- ⑤ HIGH EFFICIENCY AND  
LOW NOISE COOLING  
ELECTRIC FAN
- ⑥ DIRECT DRIVEN
- ⑦ EASY ACCESS FOR  
QUICK MANITENANCE
- ⑧ PROFESSIONAL GRADE DOUBLE  
THICKNESS SOUNDPROOFING  
MATERIAL WITH FIRE  
RETARDANT AND OIL RESISTANT  
CHARACTERISTICS
- ⑨ AIR-OIL HEAT EXCHANGER
- ⑩ CYCLONE CONDENSATE  
SEPARATOR



The **KLE PLUS** series represents the range of variable speed compressors with inverters, designed to optimize energy consumption in case of intermittent air delivery. Characterized by direct transmission, an innovative separation tank, and high efficiency motors, **KLE PLUS** compressors offer the user considerable advantages in terms of ease of management, reliability, energy saving, silent running, reduced maintenance costs. The **KLE PLUS**, installed in plants having variable air consumption, 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.

This operating mode allows energy saving by creating an ideal balance between energy consumption and the compressed air delivery.

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## Compact air-ends Integrated in just one system

Manufactured to obtain an efficient and long-lasting consistent performance, all our air-ends guarantee a better air flowrate with minimum energy consumption.

Equipped with wear resistant bearings and made of highly sophisticated machined components, these air-ends have an extremely low induced-rotation noise and a very limited maintenance cost.

This Top-notch pumping system integrated unit is extremely compact and is composed of the following components:

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



## HIGH PERFORMANCE ELECTRIC MOTOR

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



## MOTOR CONTROL WITH INVERTER

The air-end-motor group electronic RPM adjustment system will self-regulate according to the compressed air needed in the net by modifying the air delivery according to the request. The KLE Plus range offers Ktronic 100 in combination with the inverter allowing both local and remote monitoring (with an internet connection) of the compressor functioning and possible alarms.



## POWER TRANSMISSION SYSTEM

Direct-driven compressors with 1:1 ratio. This means that the air-end and the motor are directly connected by means of an elastic joint thus making both units rotating at the same speed. This configuration results in less energy consumption, maintenance cost and also noise. The use of high-efficiency motors provide saving if compared to the performance of traditional belt driven compressors.



## TOUCH SCREEN ELECTRONIC CONTROLLER KTRONIC 100

The KTRONIC 100 touch screen controller is installed on the KLE D PLUS allowing an easy performance and maintenance monitoring.

The KTRONIC 100 can be remotely controlled once connected to the internet. Energy saving always in the foreground thanks to the integrated timer that allows the working pressure regulation of day and night shifts and consequent optimized energy consumption.

A log of the compressor working state is automatically memorized providing very important data when optimizing the cost of compressed air.

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### REMOTE CONTROL AND CONNECTIVITY

The KTRONIC 100 electronic controller can be connected to a LAN thus allowing the compressor to be monitored and managed from a remote PC or a smartphone. The USB port can be used both to export compressor's data for analysis and to do software updates.



### CYCLONE SEPARATOR

Cyclone separator capable to separate condensed water from compressed air.



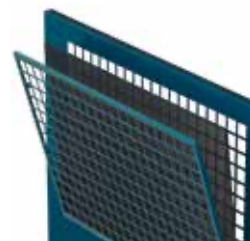
### AIR-OIL COOLER

Pack model, with a wide heat exchange surface, designed to maintain the oil and air best working temperature even in case of severe environmental conditions. Cooler body in aluminium brazed alloy with high efficiency tubular parts



### SYSTEM OF AIR PRE-FILTER AND VENTILATION

The KME PLUS series has a pre-filter that guarantees maximum protection of the internal components, filtering all the air entering the machine. The high-flow electric fan with low-induced noise level conveys all the airflow in a single point, maintaining the correct thermal balance to all internal components.



» PLUS Series



### NOISE KEPT AT A MINIMUM

KLE PLUS is fitted with a professional grade double thickness soundproofing material 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 and air filter as well as separator can be done just removing a panel which is remarkably time-saving and cost-reducing.

## KLE PLUS 11÷55

Code	Type	Motor Power		Screw	Tank		Max. Pressure		Min Air Flow-rate		Max Air Flow-rate*		Noise L.**	Voltage	Connection	Dimensions	Weight	
		Hp	Kw		Lt	Gal	Bar	Psi	ℓ/min	C.F.M.	ℓ/min	C.F.M.	dB[A]		BSP	L x D x H (cm)	Kg	Lbs
<b>KLE PLUS 11÷55 VSD ground</b>																		
131061342	KLE 11 PLUS	15	11	V90	/	/	8	116	430	15,2	1810	63,9	64	400/50/3	3/4"	138x68x120	363	800,28
131062342							10	145	540	19,1	1510	53,3						
131063342							13	188	640	22,6	1200	42,4						
131071342	KLE 15 PLUS	20	15	V90	/	/	8	116	410	14,5	2330	82,3	65	400/50/3	3/4"	138x68x120	373	822,32
131072342							10	145	390	13,8	2000	70,6						
131073342							13	188	530	18,7	1600	56,5						
131081342	KLE 18 PLUS	25	18	V110	/	/	8	116	700	24,7	2920	103,1	66	400/50/3	1-1/4"	166x76x142	556	1225,8
131082342							10	145	1050	37,1	2560	90,4						
131083342							13	188	1130	39,9	2230	78,7						
131091342	KLE 22 PLUS	30	22	V110	/	/	8	116	940	33,2	3500	123,6	66	400/50/3	1-1/4"	166x76x142	601	1325
131092342							10	145	940	33,2	3000	105,9						
131093342							13	188	1148	40,5	2420	85,5						
131101342	KLE 30 PLUS	40	30	V110	/	/	8	116	940	33,2	4710	166,3	66	400/50/3	1-1/4"	166x76x142	657	1448,4
131102342							10	145	940	33,2	4060	143,4						
131103342							13	188	1050	37,1	3370	119,0						
131111342	KLE 37 PLUS	50	37	V130	/	/	8	116	1400	49,4	6370	224,9	68	400/50/3	1-1/2"	194x107x180	984	2169,3
131112342							10	145	1900	67,1	5610	198,1						
131113342							13	188	2100	74,2	4770	168,4						
131121342	KLE 45 PLUS	60	45	V130	/	/	8	116	1400	49,4	7500	264,8	69	400/50/3	1-1/2"	194x107x180	1057	2330,3
131122342							10	145	2210	78,0	6700	236,6						
131123342							13	188	2190	77,3	5800	204,8						
131131342	KLE 55 PLUS	75	55	V150	/	/	8	116	1700	60,0	9000	317,8	70	400/50/3	1-1/2"	194x107x180	1215	2678,6
131132342							10	145	1650	58,3	8000	282,5						
131133342							13	188	2035	71,9	6500	229,5						

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





Trykluftshop ApS - 9200 Aalborg SV - Denmark + 82 10 70 20

[www.trykluftshop.dk](http://www.trykluftshop.dk)