

BELT DRIVE

PROFESSIONAL SERIES

Air technology system.

KME B 4-15 kW
ROTARY SCREW COMPRESSOR
FIXED SPEED



KME B SERIES

Characteristics

- PACK SMART V60 - V75
- ELECTRONIC CONTROLLER K-TRONIC 10
- LATEST-GENERATION STAT-DELTA ELECTRIC MOTOR "MADE IN ITALY"
- HIGH EFFICIENCY AND LOW NOISE COOLING ELECTRIC FAN IN COMBINATION WITH OIL THERMOSTATIC VALVE
- POLY-V BELT DRIVE



The **KME B** series combines the benefits of a compact screw compressor quick to install with low running costs and excellent performances, mainly in the applications requiring continuous service. All functions are managed through a user-friendly electronic controller. Strong and reliable, modular range, with an efficient poly-v belt, **KME B** series is the best solution for those compressed air demands simples and continuous.

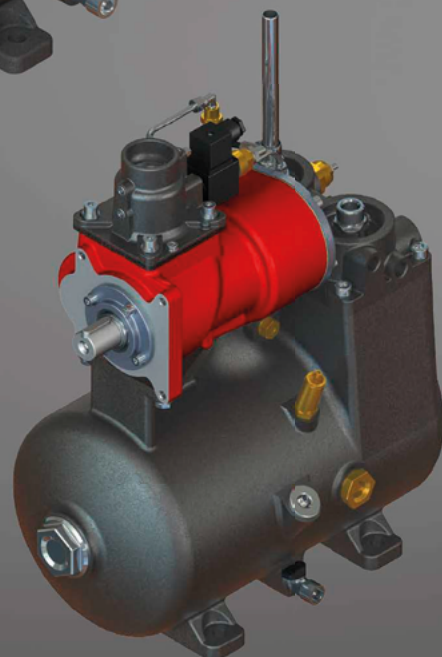
INTEGRATED COMPACT AIR-ENDS

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 high quality 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



PACK SMART V60



PACK SMART V75

KTRONIC 100P AND KTRONIC 1000P TOUCH SCREEN

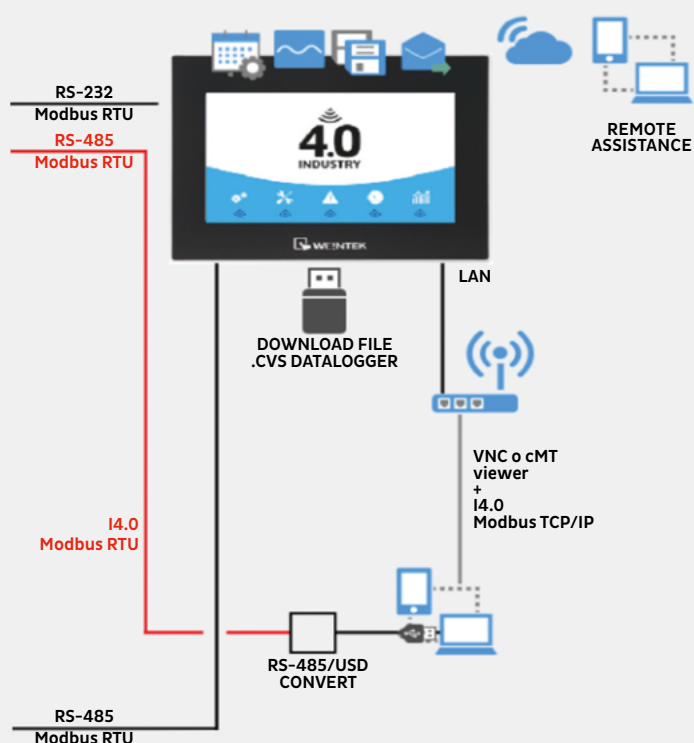


- Display 7" / 15" 800 x 480 TFT LCD
- Backlit LED display
- Anti-corrosion treatment
- NEMA4 / IP65
- Up to 10 languages available
- Master-Slave management for controlling multiple units up to 10 units included also different brands
- Communication with LAN network to IP or easy Access to CLOUD license
- ON-OFF, AUTORESTART, check and monitoring modify parameters
- Contacts for remote control analog signals bearing conditions



INDUSTRY 4.0 REMOTE CONTROL & CONNECTIVITY ALWAYS WITH YOU!

The KTronic 1000P and 1000P 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) UNIT

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.

ENERGY SAVING CALCULATION

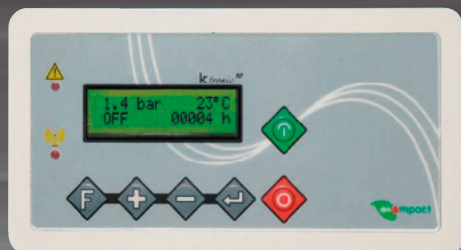
Energy saving cost considering an average load of 70% corresponding to approximately 8000 hours at € 0.12 per kWh.

Power kW	55	75	90	110
ENERGY SAVING €/YEAR	8.944	12.196	14.640	17.880

Possible energy saving cost
Energy wasted during unloading + Energy wasted during loading.

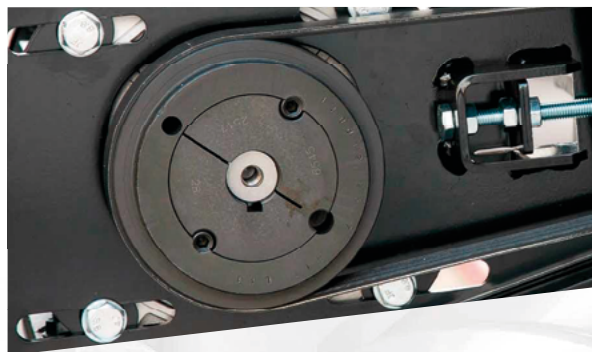
ELECTRONIC CONTROLLER

Based on direct, user-friendly reading, it manages all compressor functions through a microprocessor: safety alarms (oil temperature, electric motor, cooling fan, maintenance warnings), main parameters setup (times, pressures, data entry) and functions enabling (remote control), automatic restart after power blackout, communication signal with external devices like PLC and others.



POWER TRANSMISSION SYSTEM

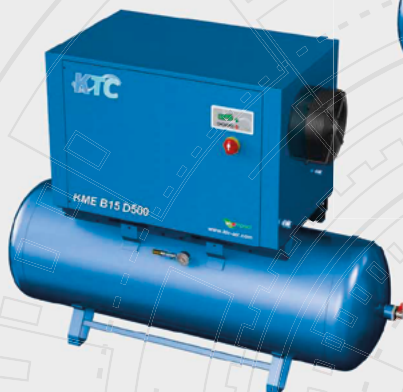
The coupling with motor is obtained by using very high durability and performance poly-v belt-driven system with cast-iron pulleys. This allows the best reliability in all working conditions and limits power losses. This transmission system also ensures low induced rotation noise and guarantees a perfect alignment of the rotating parts; moreover, a simple belt tightening system allows an accurate adjustment of belt tensioning.



MODULAR RANGE

Thanks to its high versatility, the KME-B series is available in 4 different models:

- grounded
- with refrigeration dryer
- tank mounted (270/500 liters according to size)
- fully features



KME B SERIES TECHNICAL FEATURES



High efficiency poly-v belt

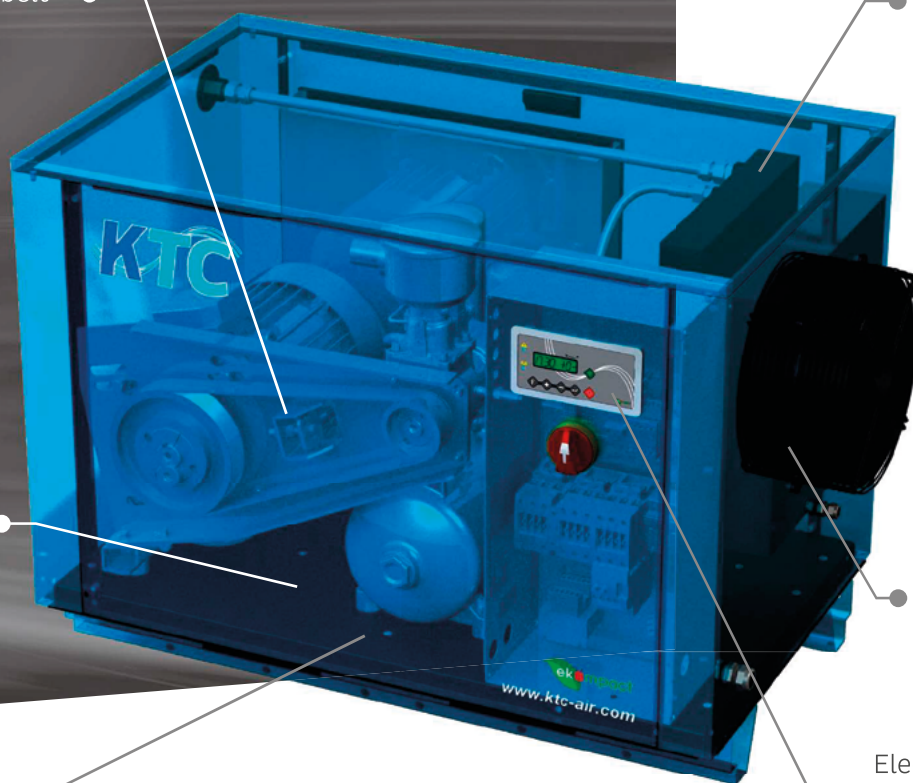
Fast and economical maintenance

Packsmart system:
best performance in
just a small amount
of space

Oversized cooling
system

Efficient cooling
fan

Electronic
control board
K-tronic10



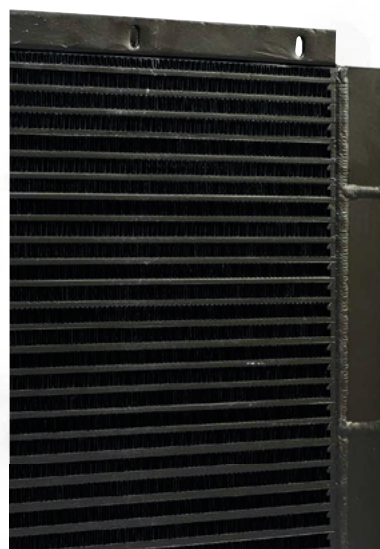
INDUSTRY 4.0 READY

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














AIR-OIL COOLER

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.



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

[illegible]

Code	Model	Power	Screw	Tank	Pressure	Air Flow* (ISO1217)	Noise L.**	Voltage	Connection	Dimensions	Weight
EAN		 Hp		 Gal	 Psi	 C.F.M.	 dB[A]		 BSP	 L x W x H (cm)	 Kg Lbs

KME B 4÷15 grounded












190031001	KME B 4	5,5	V60	/	116	19,4	65	400/50/3	1/2 Gas	98x62x65	308,6
190032001					145	17,3					
190033001					188	13,5					
190041001	KME B 5	7,5	V60	/	116	28,4	66	400/50/3	1/2 Gas	98x62x65	326,3
190042001					145	24,4					
190043001					188	19,8					
190051001	KME B 7	10	V60	/	116	41,3	67	400/50/3	1/2 Gas	98x62x65	326,3
190052001					145	34,6					
190053001					188	27,7					
190061001	KME B 11	15	V75	/	116	56,8	68	400/50/3	3/4 Gas	116x74x82	493,8
190062001					145	51,6					
190063001					188	41,2					
190071001	KME B 15	20	V75	/	116	73,8	68	400/50/3	3/4 Gas	116x74x82	515,9
190072001					145	70,3					
190073001					188	56,5					

KME B 4÷15 on ground with dryer

190031002	KME B 4 E	5,5	V60	/	116	19,4	65	400/50/3	1/2 Gas	135x62x65	375,9
190032002					145	17,3					
190033002					188	13,5					
190041002	KME B 5 E	7,5	V60	/	116	28,4	66	400/50/3	1/2 Gas	135x62x65	393,5
190042002					145	24,4					
190043002					188	19,8					
190051002	KME B 7 E	10	V60	/	116	41,3	67	400/50/3	1/2 Gas	135x62x65	395,7
190052002					145	34,6					
190053002					188	27,7					
190061002	KME B 11 E	15	V75	/	116	56,8	68	400/50/3	3/4 Gas	151x73x82	567,7
190062002					145	51,6					
190063002					188	41,2					
190071002	KME B 15 E	20	V75	/	116	73,8	68	400/50/3	3/4 Gas	151x73x82	594,1
190072002					145	70,3					
190073002					188	56,5					

* Performances measured according to ISO 1217, annex C.

** Noise level measured according to ISO 2151.

Code	Model	Power	Screw	Tank	Pressure	Air Flow* (ISO1217)	Noise L.**	Voltage	Connection	Dimensions	Weight
EAN		 Hp		 Gal	 Psi	 C.F.M.	 dB[A]		 BSP	 L x W x H (cm)	 Kg Lbs

KME B 4÷15 on tank

190031003	KME B 4 270	5,5	V60	71,4	116	19,4	65	400/50/3	1/2 Gas	156x62x123	486,1
190032003					145	17,3					510,4
190033003					188	13,5					503,8
190041003	KME B 5 270	7,5	V60	71,4	116	28,4	66	400/50/3	1/2 Gas	156x62x123	528,0
190042003					145	24,4					598,6
190043003					188	19,8					671,3
190041005	KME B 5 500	7,5	V60	132	116	28,4	66	400/50/3	1/2 Gas	197x62x132	503,8
190042005					145	24,4					528,0
190043005					188	19,8					598,6
190051003	KME B 7 270	10	V60	71,4	116	41,3	67	400/50/3	1/2 Gas	156x62x123	671,3
190052003					145	34,6					766,1
190053003					188	27,7					838,9
190051005	KME B 7 500	10	V60	132	116	41,3	67	400/50/3	1/2 Gas	197x62x132	693,4
190052005					145	34,6					717,6
190053005					188	27,7					788,2
190061003	KME B 11 270	15	V75	71,4	116	56,8	68	400/50/3	3/4 Gas	156x73x140	866,4
190062003					145	51,6					939,2
190063003					188	41,2					999,9
190061005	KME B 11 500	15	V75	132	116	56,8	68	400/50/3	3/4 Gas	197x73x149	771,6
190062005					145	51,6					795,9
190063005					188	41,2					866,4
190071003	KME B 15 270	20	V75	71,4	116	73,8	68	400/50/3	3/4 Gas	156x73x140	939,2
190072003					145	70,3					999,9
190073003					188	56,5					1060,6
190071005	KME B 15 500	20	V75	132	116	73,8	68	400/50/3	3/4 Gas	197x73x149	866,4
190072005					145	70,3					939,2
190073005					188	56,5					999,9

KME B 4÷15 on tank with dryer

190031004	KME B 4 270/E	5,5	V60	71,4	116	19,4	65	400/50/3	1/2 Gas	156x62x123	553,4
190032004					145	17,3					577,6
190033004					188	13,5					571,0
190041004	KME B 5 270/E	7,5	V60	71,4	116	28,4	66	400/50/3	1/2 Gas	156x62x123	595,2
190042004					145	24,4					665,8
190043004					188	19,8					738,5
190041006	KME B 5 500/E	7,5	V60	132	116	28,4	66	400/50/3	1/2 Gas	197x62x132	573,2
190042006					145	24,4					597,5
190043006					188	19,8					668,0
190051004	KME B 7 270/E	10	V60	71,4	116	39,8	67	400/50/3	1/2 Gas	156x62x123	740,8
190052004					145	34,6					745,2
190053004					188	26,7					769,4
190051006	KME B 7 500/E	10	V60	132	116	39,8	67	400/50/3	1/2 Gas	197x62x132	840,0
190052006					145	34,6					912,7
190053006					188	26,7					971,6
190061004	KME B 11 270/E	15	V75	71,4	116	54,9	68	400/50/3	3/4 Gas	156x73x140	866,4
190062004					145	49,9					939,2
190063004					188	39,7					999,9
190061006	KME B 11 500/E	15	V75	132	116	54,9	68	400/50/3	3/4 Gas	197x73x149	866,4
190062006					145	49,9					939,2
190063006					188	39,7					999,9
190071004	KME B 15 270/E	20	V75	71,4	116	73,8	68	400/50/3	3/4 Gas	156x73x140	939,2
190072004					145	67,8					999,9
190073004					188	56,5					1060,6
190071006	KME B 15 500/E	20	V75	132	116	73,8	68	400/50/3	3/4 Gas	197x73x149	866,4
190072006					145	67,8					939,2
190073006					188	56,5					999,9

* Performances measured according to ISO 1217, annex C.

** Noise level measured according to ISO 2151.



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