

KV 5.5-20 Hp
ROTARY SCREW
COMPRESSORS
FIXED SPEED

BELT DRIVE

PROFESSIONAL

Series

air technology systems



KV SERIES

Characteristics

- PACK SMART V60 - V75
- ELECTRONIC CONTROL PANEL
- LATEST DESIGN IN HIGH EFFICIENCY AND PERFORMANCE WYW DELTA ELECTRIC MOTOR
- LARGE AIR-OIL COLLER
- THERMOSTATICALLY CONTROLLED COOLING FAN
- POLY-V BELT DRIVE



The KV series quiet Rotary Screw air compressor combines the benefits of a compact continuous duty compressor that with a low operating cost that is easy to maintain. All functions are managed through an electronic control panel that is easy to use. The KV series modular design assures that the perfect compressed air solution is available for all air requirements and applications.

INTEGRATED COMPACT AIR-ENDS

Our Air-Ends are manufactured to obtain an efficient and long-lasting performance achieving maximum flowrate with minimum energy consumption. Equipped with the highest quality bearings and rotors machined to a strict parameter, results in Air-Ends with extremely low induced rotation noise. The unique design of integrating all main components provides a system with reduced parts and connection points, and with increased reliability and reduced maintenance cost. The integrated Air-End incorporates the following critical components into a single block:

- Oil-injected Air-End
- Minimum Pressure Valve
- Thermostatic Valve
- Intake valve
- Separator Tank



PACK SMART V60



PACK SMART V75

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.



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.



MODULAR RANGE

Thanks to its high versatility, the KV series is available in 4 different configurations:

- Base Mounted
- Base Mounted with refrigeration dryer
- Tank mounted (270/500 liters according to size)
- Complete system with dryer and tank



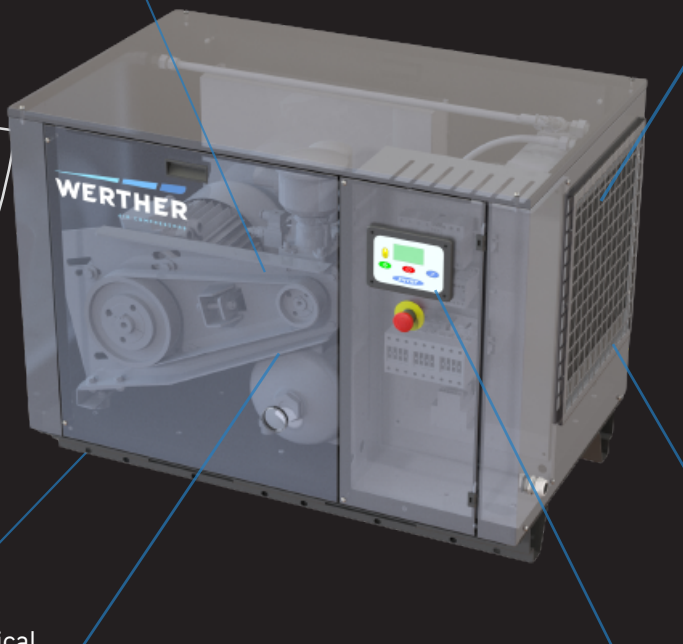
KV SERIES

TECHNICAL
FEATURES



High efficiency poly-v belt

Oversized cooling system



Efficient cooling fan

Electronic control board

Fast and economical maintenance

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

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.



ORIGINAL WERTHER SPAREPARTS












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



EXTENDED WARRANTY

Choose our SMART60 package to extend 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.



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












KV 5.5-20 Hp Base Mounted

| | | | | | | | | | | |
|--------|-----|-----|---|-----|------|----|--------------------------|---------|-----------|-------|
| KV 5.5 | 5.5 | V60 | / | 116 | 19,4 | 65 | 20/60/1 220/60/3 | 1/2 Gas | 98x62x65 | 308,6 |
| | | | | 145 | 17,3 | | | | | |
| | | | | 188 | 13,5 | | | | | |
| KV 7.5 | 7.5 | V60 | / | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 98x62x65 | 326,3 |
| | | | | 145 | 24,4 | | | | | |
| | | | | 188 | 19,8 | | | | | |
| KV 10 | 10 | V60 | / | 116 | 41,3 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 98x62x65 | 326,3 |
| | | | | 145 | 34,6 | | | | | |
| | | | | 188 | 27,7 | | | | | |
| KV 15 | 15 | V75 | / | 116 | 56,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 116x74x82 | 493,8 |
| | | | | 145 | 51,6 | | | | | |
| | | | | 188 | 41,2 | | | | | |
| KV 20 | 20 | V75 | / | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 116x74x82 | 515,9 |
| | | | | 145 | 70,3 | | | | | |
| | | | | 188 | 56,5 | | | | | |

KVE 5.5-20 Hp Base Mounted with Dryer

| | | | | | | | | | | |
|---------|-----|-----|---|-----|------|----|--------------------------|---------|-----------|-------|
| KVE 5.5 | 5.5 | V60 | / | 116 | 19,4 | 65 | 20/60/1 220/60/3 | 1/2 Gas | 135x62x65 | 375,9 |
| | | | | 145 | 17,3 | | | | | |
| | | | | 188 | 13,5 | | | | | |
| KVE 7.5 | 7.5 | V60 | / | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 135x62x65 | 393,5 |
| | | | | 145 | 24,4 | | | | | |
| | | | | 188 | 19,8 | | | | | |
| KVE 10 | 10 | V60 | / | 116 | 41,3 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 135x62x65 | 395,7 |
| | | | | 145 | 34,6 | | | | | |
| | | | | 188 | 27,7 | | | | | |
| KVE 15 | 15 | V75 | / | 116 | 56,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 151x73x82 | 567,7 |
| | | | | 145 | 51,6 | | | | | |
| | | | | 188 | 41,2 | | | | | |
| KVE 20 | 20 | V75 | / | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 151x73x82 | 594,1 |
| | | | | 145 | 70,3 | | | | | |
| | | | | 188 | 56,5 | | | | | |

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

| Model | Power | Screw | Tank | Pressure | Air Flow* (ISO1217) 7) | Noise L.** | Voltage | Connection | Dimensions | Weight |
|---|---|---|--|--|---|--|---|--|---|--|
|  |  Hp |  |  Gal |  Psi |  C.F.M. |  dB[A] |  |  BSP |  L x W x H (cm) |  Kg Lbs |

KV 5.5-20 Hp Tank Mounted

| | | | | | | | | | | |
|-------------|-----|-----|------|-----|------|----|--------------------------|---------|------------|-------|
| KV 5.5 /270 | 5.5 | V60 | 71.4 | 116 | 19,4 | 65 | 20/60/1 220/60/3 | 1/2 Gas | 156x62x123 | 486.1 |
| | | | | 145 | 17,3 | | | | | 510.4 |
| | | | | 188 | 13,5 | | | | | |
| KV 7.5/270 | 7.5 | V60 | 71.4 | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 156x62x123 | 503.8 |
| | | | | 145 | 24,4 | | | | | 528.0 |
| | | | | 188 | 19,8 | | | | | |
| KV 7.5/500 | 7.5 | V60 | 132 | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 197x62x132 | 598.6 |
| | | | | 145 | 24,4 | | | | | 671.3 |
| | | | | 188 | 19,8 | | | | | |
| KV 10/270 | 10 | V60 | 71.4 | 116 | 41,3 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 156x62x123 | 503.8 |
| | | | | 145 | 34,6 | | | | | 528.0 |
| | | | | 188 | 27,7 | | | | | |
| KV 10/500 | 10 | V60 | 132 | 116 | 41,3 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 197x62x132 | 598.6 |
| | | | | 145 | 34,6 | | | | | 671.3 |
| | | | | 188 | 27,7 | | | | | |
| KV 15/270 | 15 | V75 | 71.4 | 116 | 56,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 156x73x140 | 671.3 |
| | | | | 145 | 51,6 | | | | | 695.6 |
| | | | | 188 | 41,2 | | | | | |
| KV 15/ 500 | 15 | V75 | 132 | 116 | 56,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 197x73x149 | 766.1 |
| | | | | 145 | 51,6 | | | | | 838.9 |
| | | | | 188 | 41,2 | | | | | |
| KV 20/270 | 20 | V75 | 71.4 | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 156x73x140 | 693.4 |
| | | | | 145 | 70,3 | | | | | 717.6 |
| | | | | 188 | 56,5 | | | | | |
| KV 20/500 | 20 | V75 | 132 | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 197x73x149 | 788.2 |
| | | | | 145 | 70,3 | | | | | 860.9 |
| | | | | 188 | 56,5 | | | | | |

KVE 5.5-20 Hp Complete System with Dryer and Tank

| | | | | | | | | | | |
|-------------|-----|-----|------|-----|------|----|--------------------------|---------|------------|-------|
| KVE 5.5/270 | 5.5 | V60 | 71.4 | 116 | 19,4 | 65 | 20/60/1 220/60/3 | 1/2 Gas | 156x62x123 | 553,4 |
| | | | | 145 | 17,3 | | | | | 577,6 |
| | | | | 188 | 13,5 | | | | | |
| KVE 7.5/270 | 7.5 | V60 | 71.4 | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 156x62x123 | 571,0 |
| | | | | 145 | 24,4 | | | | | 595,2 |
| | | | | 188 | 19,8 | | | | | |
| KVE 7.5/500 | 7.5 | V60 | 132 | 116 | 28,4 | 66 | 20/60/1 220/60/3 | 1/2 Gas | 197x62x132 | 665,8 |
| | | | | 145 | 24,4 | | | | | 738,5 |
| | | | | 188 | 19,8 | | | | | |
| KVE 10/270 | 10 | V60 | 71.4 | 116 | 39,8 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 156x62x123 | 573,2 |
| | | | | 145 | 34,6 | | | | | 597,5 |
| | | | | 188 | 26,7 | | | | | |
| KVE 10/500 | 10 | V60 | 132 | 116 | 39,8 | 67 | 208- 230/460/ 60/3 | 1/2 Gas | 197x62x132 | 668,0 |
| | | | | 145 | 34,6 | | | | | 740,8 |
| | | | | 188 | 26,7 | | | | | |
| KVE 15/270 | 15 | V75 | 71.4 | 116 | 54,9 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 156x73x140 | 745,2 |
| | | | | 145 | 49,9 | | | | | 769,4 |
| | | | | 188 | 39,7 | | | | | |
| KVE 15/500 | 15 | V75 | 132 | 116 | 54,9 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 197x73x149 | 840,0 |
| | | | | 145 | 49,9 | | | | | 912,7 |
| | | | | 188 | 39,7 | | | | | |
| KVE 20/270 | 20 | V75 | 71.4 | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 156x73x140 | 771,6 |
| | | | | 145 | 67,8 | | | | | 795,9 |
| | | | | 188 | 56,5 | | | | | |
| KVE 20/500 | 20 | V75 | 132 | 116 | 73,8 | 68 | 208- 230/460/ 60/3 | 3/4 Gas | 197x73x149 | 866,4 |
| | | | | 145 | 67,8 | | | | | 939,2 |
| | | | | 188 | 56,5 | | | | | |

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



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