

D/LG/KIR/N



DVK-D SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, high-efficiency screw blocks consuming less energy are provided as standard in all our products.



SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



ELECTRONIC CONTROL

Dalgakıran rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



SCREW BLOCK

Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement
 Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements
 New generation bearing design with increased load carrying capabilities



AIR OIL SEPARATOR

Spin-on or immersed type separator design depending on the product line

Immersed type separator

High performance separation with three-stage design
 More efficient separation at lower volume with deeply wrapped, intertwined separation layers

Low amount of oil mist in outlet air ≤ 3 ppm

Spin-on separator

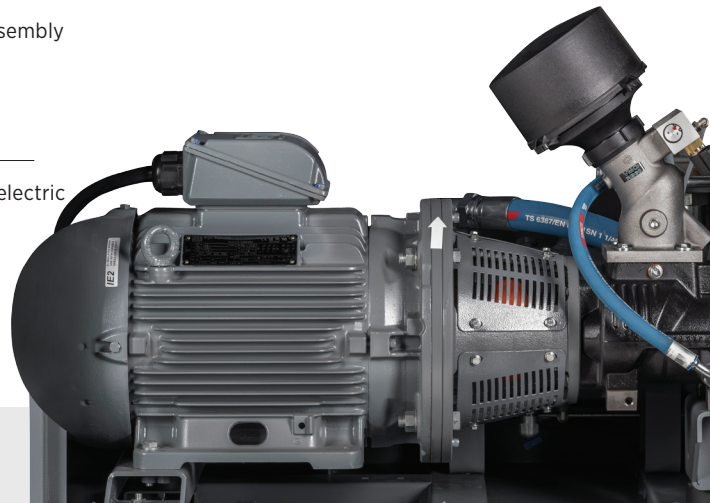
Easy replacement, ease of assembly and disassembly
 Design that does not require a separator tank



MAIN MOTOR AND DRIVE SYSTEM

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation

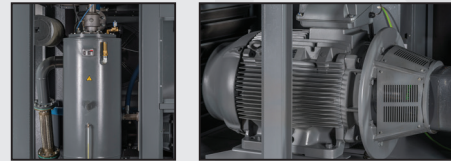
Direct coupled model, long-lasting and efficient transfer system thanks to use of elastic couplings





DVK-D SERIES Rotary Screw Air Compressors

Dalgakiran DVK D series Compressors **deliver high performance by reducing the power transfer losses with their directly-coupled motor and screw block.** Operation expenses are reduced thanks to usage of the latest generation screw block and motor. Stops are minimized with continuously supplied air.



MAIN MOTOR DRIVE SYSTEM

- Long life and efficient power transfer thanks to the use of elastic coupling

SCREW BLOCK

- Gear box as per AGMA (American Gear Manufacturers Association) standards for products where threaded screws are used
- Directly-coupled

AIR/OIL SEPARATOR

- High performance separation with three-stage design
- More efficient separation at lower volume with deeply wrapped, intertwined separation layers
- Low amount of oil mist in outlet air ≤ 3 ppm

COOLING SYSTEM

- Quiet and efficient axial fan
- Temperature-controlled fan motor



TECHNICAL DATA

| MODEL | PRESSURE | | CAPACITY | | MOTOR POWER kW/HP | AIR CONNECTION | DIMENSIONS mm | | | WEIGHT kg | NOISE LEVEL dB(A) |
|------------|----------|-----|---------------------|------|-------------------|----------------|---------------|--------|--------|-----------|-------------------|
| | Bar | PSI | m ³ /min | SCFM | | | Width | Length | Height | | |
| DVK 30 D | 7,5 | 110 | 4,0 | 141 | 22/30 | 1" | 1275 | 850 | 1465 | 483 | 70 |
| | 10 | 145 | 3,6 | 127 | | | | | | | |
| DVK 40 B D | 7,5 | 110 | 5,5 | 194 | 30/40 | 1 1/4" | 1575 | 1030 | 1750 | 731 | 70 |
| | 10 | 145 | 4,5 | 159 | | | | | | | |
| | 13 | 190 | 3,9 | 138 | | | | | | | |
| DVK 50 D | 7,5 | 110 | 6,6 | 233 | 37/50 | 1 1/4" | 1575 | 1030 | 1750 | 742 | 70 |
| | 10 | 145 | 5,6 | 198 | | | | | | | |
| | 13 | 190 | 4,6 | 163 | | | | | | | |
| DVK 60 B D | 7,5 | 110 | 8,5 | 300 | 45/60 | 1 1/4" | 2000 | 1200 | 1810 | 1370 | 74 |
| | 10 | 145 | 7,1 | 251 | | | | | | | |
| | 13 | 190 | 5,9 | 208 | | | | | | | |
| DVK 75 D | 7,5 | 110 | 9,8 | 346 | 55/75 | 1 1/4" | 2000 | 1200 | 1810 | 1520 | 76 |
| | 10 | 145 | 8,7 | 307 | | | | | | | |
| | 13 | 190 | 7,0 | 247 | | | | | | | |
| DVK 100 D | 7,5 | 110 | 12,6 | 445 | 75/100 | 1 1/4" | 2000 | 1200 | 1810 | 1670 | 78 |
| | 10 | 145 | 11,0 | 388 | | | | | | | |
| | 13 | 190 | 9,2 | 325 | | | | | | | |
| DVK 125 D | 7,5 | 110 | 16,2 | 572 | 90/125 | 2" | 2500 | 1400 | 2037 | 2240 | 79 |
| | 10 | 145 | 13,7 | 484 | | | | | | | |
| | 13 | 190 | 11,2 | 396 | | | | | | | |
| DVK 150 D | 7,5 | 110 | 19,5 | 688 | 110/150 | 2" | 2500 | 1400 | 2037 | 2640 | 79 |
| | 10 | 145 | 17,9 | 632 | | | | | | | |
| | 13 | 190 | 14,0 | 494 | | | | | | | |
| DVK 180 D | 7,5 | 110 | 23,4 | 826 | 132/180 | 2 1/2" | 2750 | 1805 | 2000 | 2970 | 79 |
| | 10 | 145 | 20,0 | 706 | | | | | | | |
| | 13 | 190 | 16,5 | 583 | | | | | | | |
| DVK 220 D | 7,5 | 110 | 28,0 | 989 | 160/220 | 2 1/2" | 2750 | 1805 | 2000 | 3080 | 79 |
| | 10 | 145 | 23,5 | 830 | | | | | | | |
| | 13 | 190 | 20,0 | 706 | | | | | | | |
| DVK 270 D | 7,5 | 110 | 37,0 | 1307 | 200/270 | NW80 | 3250 | 2250 | 2450 | 4920 | 79 |
| | 10 | 145 | 30,8 | 1088 | | | | | | | |
| | 13 | 190 | 24,5 | 865 | | | | | | | |
| DVK 340 D | 7,5 | 110 | 45,0 | 1590 | 250/340 | NW100 | 3250 | 2250 | 2450 | 5600 | 79 |
| | 10 | 145 | 38,6 | 1368 | | | | | | | |
| | 13 | 190 | 32,6 | 1151 | | | | | | | |
| DVK 430 D | 7,5 | 110 | 53,0 | 1872 | 315/430 | NW100 | 3250 | 2250 | 2450 | 5920 | 79 |
| | 10 | 145 | 45,5 | 1607 | | | | | | | |
| | 13 | 190 | 39,5 | 1395 | | | | | | | |

- These values are recorded under reference conditions of 1 bar absolute air pressure, 0% relative humidity, 20 OC inlet air temperature, 71 OC thermostatic valve set value and Smartoil usage.
DALGAKIRAN compressors reserves the right to make changes on its products without prior notice.
- Refers to the free air flow measured in accordance with ISO 1217: 2009, Annex C standard.
- Refers to the sound pressure level with a tolerance of ± 3 dB(A) measured in accordance with ISO 2151:2004 and ISO 9614/2 standards.

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