

# 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

Dalgakiran 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 high volumetric efficiency, 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  $\leq 3$  ppm

### Spin-on separator

Easy replacement, ease of assembly and disassembly

Design that does not require a separator tank



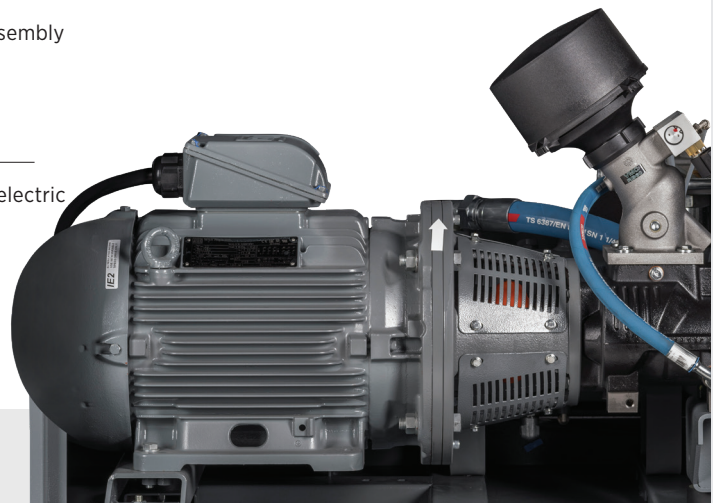
## MAIN MOTOR AND DRIVE SYSTEM

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



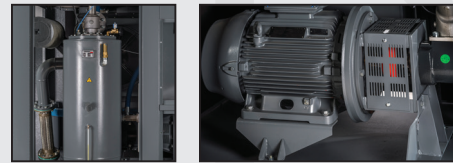


## DVK D SERIES Rotary Screw Air Compressors

Dalgakıran 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
- TEFC, premium efficiency electric motor



### SCREW BLOCK

- Gear box as per AGMA (American Gear Manufacturers Association) standards for products where air ends with gearbox 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  $\leq 3$  ppm

### COOLING SYSTEM

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



## TECHNICAL DATA

Model	Pressure		Capacity*		Motor Power	Connection Size	Dimensions (mm)			Weight	Noise**
	bar	psi	m <sup>3</sup> /min	cfm	kW/HP		Width	Depth	Height	kg	dB(A)
DVK 30 D	7,5	110	4,0	141	22/30	G 1"	1275	850	1465	483	70
	10	145	3,6	127							
DVK 40 B D	7,5	110	5,5	194	30/40	G 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	G 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	G 1 1/2"	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	G 1 1/2"	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	G 1 1/2"	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	G 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"G	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	G 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	G 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	DN80	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	DN100	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	DN100	3250	2250	2450	5920	79
	10	145	45,5	1607							
	13	190	39,5	1395							

- Unit performances measured in reference conditions which are 1 bar absolute air Pressure, %0 relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
- DALGAKIRAN compressors reserves its rights to make changes in its products and specifications without prior notice.
- \* Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
- \*\* Refers to sound Pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.