

D/LG/KIR/N



DVK 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.

GENERAL FEATURES



ELECTRONIC CONTROL

ITALIAN manufactured LOGIKA brand control module

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

FINLAND manufactured TAMROTOR Air-End Patented which has unique design specially for DVK Series. 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



AIR OIL SEPARATOR

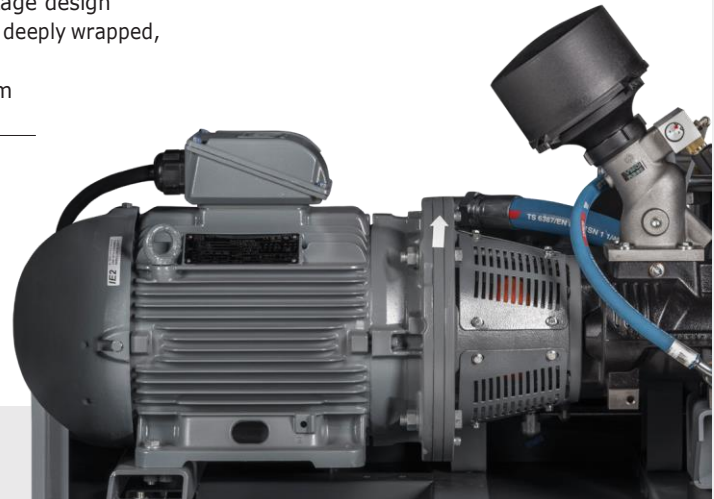
Immersed type separator

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



MAIN MOTOR AND DRIVE SYSTEM

BRASIL manufactured WEG brand motor which has high efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation
Star delta motor starting system
%15 Service Factor





DVK SERIES Rotary Screw Air Compressors

Dalgakiran DVK Series compressors are reliable compressors which may be easily used in many applications. Manufactured with high-performance and high-quality equipment, these compressors can be easily used by users with every level of experience.

Proven design and reliability with tens of thousands of compressors used in the field

MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Serviceability thanks to easy belt tensioning system
- TEFC, premium efficiency electric motor



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

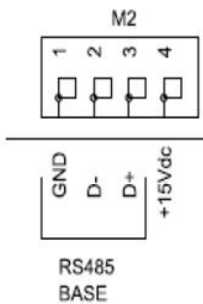
- Quiet and efficient axial fan
- Temperature-controlled fan motor

COMPONENTS

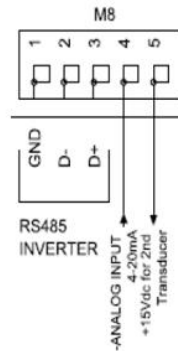
- High-quality components with a long service life.



LOGIK26S CONTROL MODULE



- 1st RS485 port
- Stand alone
- Master / Slave
- Multiunit



- 2nd RS485 port
- Driver
- Communication
- Stand alone



Modbus RTU

- Communications between controllers under Master / Slave
- Standalone communications

Modbus TCP

- Can be supported by using ethernet serial gateway

TECHNICAL DATA

Model	Pressure		Capacity*		Motor Power	Connection Size	Dimensions (mm)			Weight	Noise**
	bar	Psi	m ³ /min	cfm	kW/HP		Width	Depth	Height	kg	dB(A)
DVK 60	7,5	110	7,2	254	45/60	G 1 1/4"	1575	1030	1750	876	75
	10	145	6,4	226							
	13	190	5,4	191							
DVK 75	7,5	110	9,6	339	55/75	G 1 1/2"	2000	1200	1810	1340	76
	10	145	8,5	300							
	13	190	6,6	233							
DVK 100	7,5	110	12,4	438	75/100	G 1 1/2"	2000	1200	1810	1610	78
	10	145	10,5	371							
	13	190	8,7	307							
DVK 125	7,5	110	15,8	557	90/125	G 2"	2500	1400	2037	2240	79
	10	145	13,5	477							
	13	190	11,0	388							
DVK 150	7,5	110	18,8	664	110/150	G 2"	2500	1400	2037	2500	79
	10	145	16,5	583							
	13	190	14,0	495							
DVK 180	7,5	110	22,8	805	132/180	G 2 1/2"	2500	1805	2000	2873	79
	10	145	19,5	689							
	13	190	16,0	565							
DVK 220	7,5	110	27,4	968	160/220	G 2 1/2"	2500	1805	2000	3030	79
	10	145	23,0	812							
	13	190	19,5	689							

- 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.

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