DVK Series
Rotary Screw Air Compressors

DALGAKIRAN
COMPRESSED AIR TECHNOLOGIES

DVK SERIES 60 / 75 / 100 / 125 / 150 / 180 / 220

DALGAKIRAN DVK series are manufactured to be used in different fields of applications without any performance loss. By using latest advanced technology, we assure the lowest operating costs with long and trouble free operating life time.

> AIR END

- New generation rotary screw air end with high efficiency, durability and low energy consumption
- New generation bearing design with high load carrying capacity
- New rotor for profile decreasing air leakages and required torque values

> MAIN MOTOR AND DRIVE SYSTEM

- Highly efficient, operationally reliable V-belt drive
- Easy belt tensioning system
- Star-delta cubrcle
- IE3 efficiency class main motor

> AIR / OIL SEPARATORS

- High capacity, long life in line type separator element
- Special Air-Oil separator tanks are designed by latest engineering softwares for low pressurre drop, high separation efficiency and low acoustic emission
- High performance design with three-stage separation
- Low oil carryover ⩽ 3 ppm

> AIR INTAKE SYSTEM

- Normally opened poppet type intake regulation
- Normally-closed butterfly type intake regulation
- High intake flow efficiency due to low pressure drop
- Glass-fibre prefilter provides efficient pre-separation and cleaner compressor canopy
- Air intake filter with high dust capacity long service life and up to 99 % separation efficiency

> COOLING SYSTEM

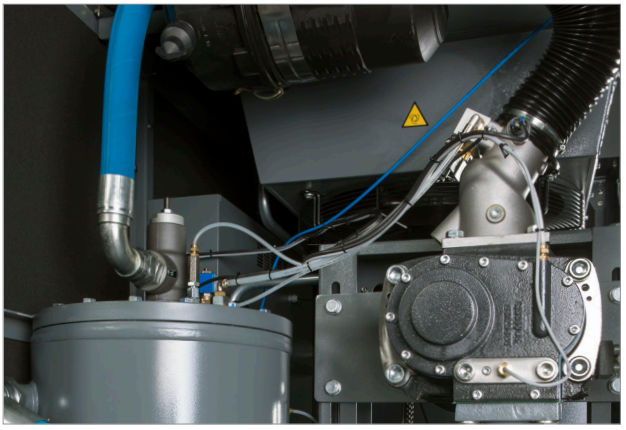
- Four-way thermostatic valve ensures all DALGAKIRAN rotary screw compressors work at optimum temperature during the operation
- Thermostatic valve increases cooling performance and eliminates the risk of water condensation inside the air-oil separator tank
- Aluminum bar and plate type compressor radiator which manufactured by vacuum-brazing technology for high efficiency and long life
- Combi-cooler design with oil cooler for compressor oil and integrated aftercooler to ensure low compressed air outlet temperature
- Axial cooling fans on main motor
- Separate, temperature controlled, silent and energy efficient axial cooling fans

> STANDARD EQUIPMENTS

- Removable acoustic canopy & rigid base plate
- Dry type air intake filter
- Full flow oil filter
- Minimum pressure valve
- Mechanical and electrical safety systems
- PLC control unit
- Factory filed oil
- Minimum pressure valve
- Mechanical and electrical safety systems
- Quick discharge valve and its silencer
- PLC control unit with LCD panel

> OPTIONS

- Cold start
- Soft-starter
- IE4 efficiency class main motor
- Food grade lubricant for food production
- Water separator with automatic drain system
- Different voltages and frequency options



TECHNICAL DATA

MODEL	PRESSURE		CAPACITY		MOTOR POWER kW/HP	CONNECTION SIZE	DIMENSIONS mm			WEIGHT	NOISE
	Bar	PSI	m³/min	SCFM			Width	Depth	Height	kg	dB(A)
DVK 60	7,5	110	7,2	254	45/60	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	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	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	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	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	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	21/2"	2500	1805	2000	3030	79
	10	145	23,0	812							
	13	190	19,5	689							

1. 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 reserves its rights to make changes in its products and specifications without prior notice.

2. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.

3. Refers to sound pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.

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