

# DVK-D

Rotary Screw Air Compressors



22-315 kW

**DALGAKIRAN**





3,60-53  
m<sup>3</sup>/min

22-315  
kW

7,5-10-13  
bar

## **DVK-D** *SERIES*

*Oil Injected, Direct Coupled  
Rotary Screw Air Compressors*

We offer optimum solutions for your industrial production needs with high efficiency and less energy consumption.



### **General Features**

- High-quality, easy-to-replace components with a long service life
- Continuous operation for minimum stops
- Next gen screw block and motor
- Electronic control
- Integrated dryer (132 kW and below)
- Water cooled and heat recovery (optional)
- Full food grade oil option suitable for food production



### **Advantages**

- Advanced screw block and direct coupled motor ensures saving and high performance by minimizing power transmission losses.
- Service-friendly design reduces maintenance costs.
- Controllers allow ease of access and use.





## Controller

- Without the need for an external main controller, ability to co-aged work synchronized with Master/Slave for up to two compressors
- Internal ModBus communication
- User-friendly on-screen interface
- Alarm log records last 20 alarms
- Weekly scheduler for starting/stopping the machine at 3 different time intervals can be individually set for each day of the week (30 kW and above)
- Maintenance warnings and history (30 kW and above)



## Main Motor and Drive System

- IE3 efficiency-class electric motor
- Elastic coupling for a maintenance-free, long-lasting, and efficient power transmission system
- Star/delta motor starter
- Soft start (optional)



## Cooling System

- Quiet and efficient axial fan
- Temperature controlled fan motor
- Water cooled option



## Screw Block

- A durable and specially selected screw block that provides high capacity air according to the capacity needs of each model
- New rotor profiles for production with reduced losses and lower torque requirements
- Next gen bearing design for improved load bearing capabilities
- Direct coupling



WATCH  
VIDEO



- Spin-on or immersion-type separator design depending on product series

#### **Immersion-type separator (45 kW and above)**

- Highly efficient immersion-type separator with long service life
- Three-stage design for high-performance separation
- Deep coiling, interlocking separator plates for more effective separation at low volumes
- Low amount of oil mist in outlet air  $\leq 3$  ppm

#### **Spin-on separator (37 kW and below)**

- Easy to replace, assemble, and disassemble



Model	Pressure		Capacity*		Motor kW/HP	Connection	Dimensions			Weight kg
	bar	psi	m <sup>3</sup> /min	cfm			Width (mm)	Length (mm)	Height (mm)	
DVK 30 D	7,5	110	4	141	22/30	G 1"	1280	850	1435	538
	10	145	3,6	127						
DVK 40 B D	7,5	110	5,5	194	30/40	G 1 1/4"	1635	1030	1755	747
	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"	1635	1030	1755	869
	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"	2065	1200	1810	1203
	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"	2065	1200	1810	1387
	10	145	8,7	307						
	13	190	7	247						
DVK 100 D	7,5	110	12,6	445	75/100	G 1 1/2"	2065	1200	1810	1424
	10	145	11	388						
	13	190	9,2	325						
DVK 125 D	7,5	110	16,2	572	90/125	G 2"	2525	1440	2040	2240
	10	145	13,7	484						
	13	190	11,2	396						
DVK 150 D	7,5	110	19,5	688	110/150	G 2"	2525	1440	2040	2640
	10	145	17,9	632						
	13	190	14	494						
DVK 180 D	7,5	110	23,4	826	132/180	G 2 1/2"	2775	1805	2000	2970
	10	145	20	706						
	13	190	16,5	583						
DVK 220 D	7,5	110	28	989	160/220	G 2 1/2"	2775	1805	2000	3080
	10	145	23,5	830						
	13	190	20	706						
DVK 270 D	7,5	110	37	1307	200/270	DN80	3290	2285	2455	5300
	10	145	30,8	1088						
	13	190	24,5	865						
DVK 340 D	7,5	110	45	1590	250/340	DN100	3315	2285	2455	5600
	10	145	38,6	1363						
	13	190	32,6	1151						
DVK 430 D	7,5	110	53	1872	315/430	DN100	3315	2285	2455	5920
	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 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 E standard.