

# DS

## Scroll Air Compressors



1,5-30 kW

# DALGAKIRAN



0,16-3,40  
m<sup>3</sup>/min

1,5-30  
kW

8-10  
bar



## **DS SERIES**

*Oil-Free, Belt Driven  
Scroll Air Compressors*

Your solution partner specially designed to meet 100% of the air needs in the food and beverage, chemical, pharma, and healthcare industries where oil-free air quality is essential.

### **General Features**

- Compact design
- Soundproofed canopy
- Internal air cooler(s), water separator, and stainless pipes
- Robust and durable single unit or stacked design

### **Advantages**

- Low noise level thanks to low-vibration operation.
- User-friendly, robust and long-lasting microprocessor control device with communication features based on the product smooth operation and interruption-free production.
- Component placement specifically designed to reduce downtimes during maintenance process.

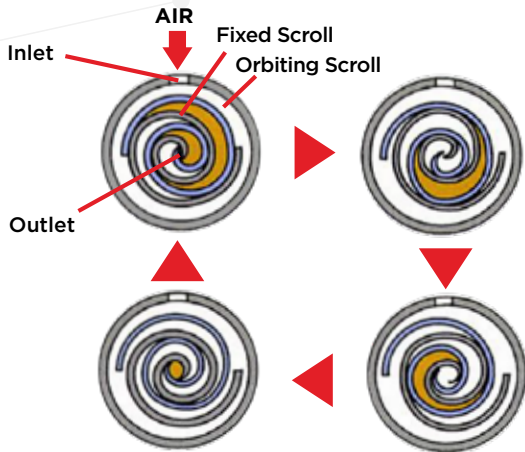




## Scroll Type Compression Principle

Orbital and fixed spiral elements align to create compression chambers.

The continuous movement of the orbital spiral compresses air from the atmosphere producing oil-free and pollutant-free air.



## Main Motor and Drive System

- IE3 efficiency-class electric motors
- Belt-pulley drive system
- Easy belt tensioning system



## Compressor Block

- Effective and oil-free scroll design
- Integrated cooling fan on the scroll unit for effective cooling
- Star/delta connection (3,7 kW and above)



## 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

### For double stage and above

- Weekly scheduler for starting/stopping the machine at 3 different time intervals can be individually set for each day of the week
- Maintenance warnings and log records
- Equal ageing through scroll units
- Automatic start/stop of units according to air demand



	Model	Pressure		Capacity *		Motor kW/HP	Connection	Dimensions [Width x Length x Height] (mm)			Weight (kg)		
		bar	psi	m <sup>3</sup> /min	cfm			Base Mounted	Tank Mounted	Tank + Dryer	Base Mounted	Tank Mounted	Tank + Dryer
SINGLE	DS1.5-S	8	115	0,16	5,65	1,5 / 2	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	195	329	372
	DS2.2-S	8	115	0,24	8,48	2,2 / 3	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	200	334	377
		10	145	0,2	7,06								
	DS3.7-S	8	115	0,4	14,13	3,7 / 5	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	220	354	397
		10	145	0,34	12,01								
	DS5.5-S	8	115	0,6	21,19	5,5 / 7	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	230	364	407
10		145	0,47	16,6									
DS7.5-S	8	115	0,85	30,01	7,5 / 10	G 1/2"	750x731x900	1773x823x1381	1818x823x1428	235	369	431	
	10	145	0,68	24,01									
DOUBLE	DS7,5-D	8	115	0,8	28,25	(2 x 3,7) / 10	G 3/4"	1500x821x1050	1972x926x1725	-	405	590	-
		10	145	0,68	24,01								
	DS11-D	8	115	1,2	42,38	11(2 x 5,5) / 15	G 3/4"	1500x821x1050	1972x926x1725	-	425	610	-
		10	145	0,94	33,2								
	DS15-D	8	115	1,7	60,03	15(2 x 7,5) / 20	G 3/4"	1500x821x1050	1972x926x1725	-	440	625	-
		10	145	1,36	48,02								
TRIPLE	DS11-T	8	115	1,2	42,38	(3 x 3,7) / 15	G 1"	1500x823x1840	-	-	540	-	-
		10	145	1,02	36,02								
	DS16,5-T	8	115	1,8	63,57	16,5(3 x 5,5) / 22	G 1"	1500x823x1840	-	-	615	-	-
		10	145	1,41	49,79								
	DS22.5-T	8	115	2,55	90,05	22,5(3 x 7,5) / 30	G 1"	1500x823x1840	-	-	625	-	-
		10	145	2,04	72,04								
QUADRUPLE	DS15-Q	8	115	1,6	56,5	15(4 x 3,7) / 20	G 1"	1500x823x1840	-	-	645	-	-
		10	145	1,36	48,03								
	DS22-Q	8	115	2,4	84,75	22(4 x 5,5) / 30	G 1"	1500x823x1840	-	-	745	-	-
		10	145	1,88	66,39								
	DS30-Q	8	115	3,4	120,07	30(4 x 7,5) / 40	G 1"	1500x823x1840	-	-	755	-	-
		10	145	2,72	96,06								

- 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.