Sullair DS Series Dry-Type Oil-Free Screw Air Compressor

90 - 250kW

Product introduction

Sullair DS series (90 - 250kW) Dry-type oil-free air compressor, provides customers with high-quality compressed air with its reliable quality and excellent performance to meet the most demanding needs of users.

Reliable screw assembly, optimized cooling system, efficient control system, excellent machine design, TUV oil free accreditation and compressor unit warranty commitments are results of Sullair's rich knowledge and experience accumulated and its pursuit for excellence

SULLAIR®

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Features and Benefits

- TUV oil-free accreditation, 0 level oil-free
- PTFE food-grade coating, safe and secure
- Heavy-duty bearing, high precision rotor and seals, long lasting screw assembly {design life of 100,000 hours}
- Independent oil pump design to ensure reliable lubrication of bearings and gears
- Stainless steel shell and tube middle/after cooler (see API), efficient and reliable, long service life
- Integrated stainless steel moisture separator, efficient and reliable, minimal pressure loss
- Shell and tube fluid cooler (see API), efficient and reliable, long service life
- Screw assembly with 5-year warranty
- Microcomputer controller, intelligent control and modbus communication, comprehensive monitoring, safe and reliable

Technical Specifications

DS 90-145 Dry-Type Oil-Free Air Compressor

Model	Motor HP	Motor kW	Discharge pressure 7.5bar Air discharge capacity-m^3/min*	8.5bar	10.0bar	Weight-kg	Outlet connection size
DS90	125	90	15.8	14.8	13.0	2750	DN65
DS110	150	110	20.2	18.7	15.6	2900	DN65
DS132	175	132	22.2	20.2	18.5	3000	DN65
DS145	200	145	-	22.1	20.0	3000	DN65

DS 160-250 Dry-Type Oil-Free Air Compressor

Model	Motor HP	Motor kW	Discharge pressure 7.0bar Air discharge capacity-m^3/min*	8.0bar	10.0bar	Weight-kg	Outlet connection size
DS160	250	160	32.1	30.2	25.0	4500	DN100
DS200	300	200	37.8	35.7	31.4	4600	DN100
DS250	350	250	46	44.5	39.2	4700	DN100

Dimensions (mm)

Model	Length	Width	Height	Cooling water pipe connection
DS90-145 series	2850	1650	1800	Rp1-1/2
DS160-250 series	3300	1900	2100	Rc2

Note:* Air discharge capacity is measured at rated discharge pressure in accordance with International Standards GB3853 in testing (equivalent to IS01217 Appendix C)

Optimized machine design

- Segmented layout of hot and cold chamber, greater component and machine reliability
- Elastic support for mechanical moving part, small vibration and smooth operation
- High-strength rigidity structural design with vibration reduction and sound insulation measures, lower noise
- Ample interior space, human-centric layout, easy maintenance

Value-added options

- Compression heat regeneration dryer, pressure dew point of minus 40℃. Zero energy consumption and zero air consumption
- Built-in VSD control, greatly reducing the overall energy consumption of compressed air systems
- Heat recovery, as much as 95% of high grade heat is reused.