

Welcome







Benefits

- ✓ Innovative SCROLL Technology
- Consistent maintenance friendly design
- ✓ Totaly oil free

shanghai rotorcomp

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- ✓ Range from 3.7kW to 33 kW
- ✓ Noise level from 52 dB/(A)
- Innovative SuperSilent body housing





Oil Free Scroll compressor –flow chart





SCROLl compressor - Temperatures

Maximum temperature within compression area

Туре	Max. temperatur
RC 3,7	220°C
RC 5,5	240°C

Compressed air outlet temperature 7-15 K above ambient air





SCROLl Layout





SCROLLline Layout







SuperSilent Layout







Scroll compressor— The Principle





Low Noise Running

Noise Comparision Chart



The ultrahigh precision processing technic of compressor ensures the continuity and stability of air exhausting.

Low noise class ensures that air compressor could assemble near the point of compressing air, to reduce the pressure loss and air let out. It suits for all kinds of compress air supply.





Multimachine intelligent composite controlmode



•Multi-machine intelligent control can adjust to the required air consumption and automatically start/stop, avoiding unnecessary energy costs.

•If using less air, reduce the highest pressure automatically and decreasing running pcs to realize energy save running.





SCROLL Air End – The Unit

	Pos	Description	Function
	1	Air intake filter	Filtering intake
6		RC 5,5 – x 2	an
	2	Cooling air exhaust	Cooling down SCROLL unit
	3	Orbiting SCROLL element	Generating compressed air
$5 \rightarrow 2$	4	Connection for maintenance fixture	Maintenance
	5	Drive pulley	Powertrain
	6	Cooling air fan	Cooling air
		(inside)	intake





SCROLL Air End – The Unit





SCROLL Air End – The Unit

- Proprietary Tip Seal and Unique Scroll Wrap increase performance and extend service intervals.

- AlumiteTM treatment extends scroll life and limits life cycle cost.

- Tip Seal material provides high performance with high reliability and extremely low wear.







When due	8 bar	Maintenance work	Parts required
Start-up	x	Tighten electric terminals	
		Control/tighten pipe/hose conections	
		Control direction of rotation	
		Check V-belt tension	
Daily regularly	Х	Drain condensate on air storage vessel (if any)	
Every 250 h or monthly	Х	Control/clean air intake filter	
Every 1000 h Or once every 6 months	х	Ceck condition of hoses for leaks, cracks, etc	
After 2500 h Or once a year	x	Tighten electric terminals	
	x	Check V-belt for wear and replace if neessary	V-Belt
	x	Check alignment of pulleys and tension Adjust if required	
	x	Check all pipes if well fitted and tight	
	X	Cange air intake filter	Air Filter
	x	Check correct setting of pressure switch and adjust if required	



When due	8 bar	Maintanence work	Parts required
After 5.000 h or every two years	X	Clean air intake fan	
	X	Clean cooling fins	
		Check Scroll bearings, regrease if necessary	
		Change tip seals etc. (maintenance la)	MK la
After 10.000 h or every four two years	X	Clean air intake fan	
	X	Clean cooling fins	
	X	Check Scroll bearings, regrease if necessary	
	x	Change tip seals etc. (maintenance la)	MK la
After 15.000 h	X	Clean air intake fan	
	x	Clean cooling fins	

Only authorized and certified dealers by Shanghai Rotorcomp are allowed to carry through a "major maintenance".

Just use only genuine Shanghai Rotorcompspare parts and components.





Cleaning according to pollution degree

- Cleaning of cooling finsBlowing out air intake filter









Major maintenance – according to Maintenance Schedule

Change Tip Seal







Change Face Seal



Unique design of SCROLL Super Silent compressor





- Easy to move out the elements
- Secure arrest
- Clear assembly
- Easy to access
- Optional integrated air tank



Unique design of SCROLL Super Silent compressor

- Easy to adjust the belt tension
- Scientific ventilation design
- Clear assembly
- Independent cooling fan
- Heat exchanger with enlarged heat exchange area
- Optional integrated air tank
- Intelligent controller
- IP55 high efficiency motor
- Drawer type design is easy to do maintenance

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Thank you very much

