



**Available Stall R59K Serial number 122477 1997 overhauled 2014
Well maintained low running hours after overhaul .**



Very well maintained Stall Compact R59 – small Foot print - Stall was one of the first developers of the compact screw compressor unit – The unique design was the oil separator , which was based on centrifugal forces.

The most users are not familiar with the fact that Stall used one type compressor block in this range – the different capacity of the models is reached by the use of different gearwheel sets .

There the opportunity is now come to purchase you spare compressor , the r-range is out of production long time – may time to consider to secure your production - by purchase spare compressor -

More information : Basic all compressor blocks are the same – the difference is the internal speed by the gearwheels settings. The Motor capacity is the same by the R59 and R57. The R59 gear settings is for only use of 50 HZ - The compressor itself can run 60 hz , you need to change the Gear wheels from the R57 on the R59 block.

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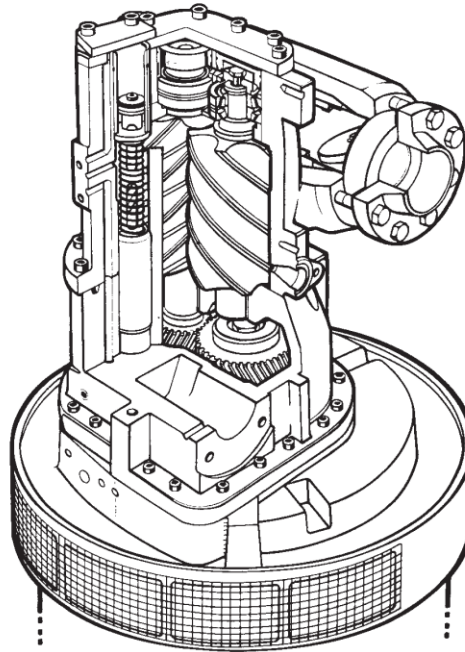
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TYPE R5 SCREW COMPRESSORS
Generations E and F



Generations E and F of the type R5 STAL-MINI screw compressors represent a new step forward in the evolution of the R5 compressor towards a broader operating range, improved reliability and further simplification/standardization.

BUILT-ON MOTOR

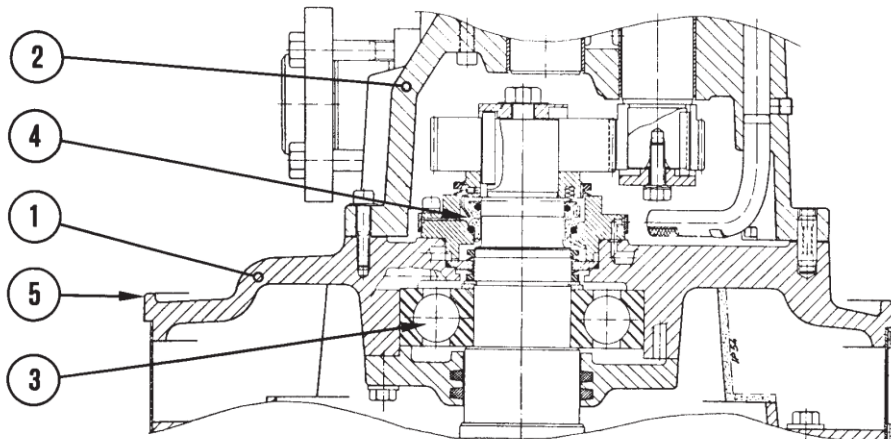
All compressors in these new generations have built-on motors. Each of the new built-on motors has a flange (1) designed especially for direct connection to the rotor unit (2). This flange supports the bearings (3) and the shaft seal (4) as well as the grease and oil seals. Moreover, each built-on motor contains the requisite lubrication and oil ducts, and serves as a part of the bearing housing. The outer edge (5) of the flange is turned up so that, for vertical mounting, it will collect any oil, grease and/or condensed water that gathers there.

DIFFERENT MOTORS, SAME PARTS

Just as before, different variants of the motor are available. However, the motor shaft, the shaft seal, the motor bearing and the flange interface with the compressor are identical on all variants of the motor.

HIGHER APPLIED POWER, BROADER OPERATING RANGE

Thanks to the new motor design, more power can be applied than for the previous motors. See the technical data on manual sheet 4815-C-11. This, in turn, provides a broader operating range.

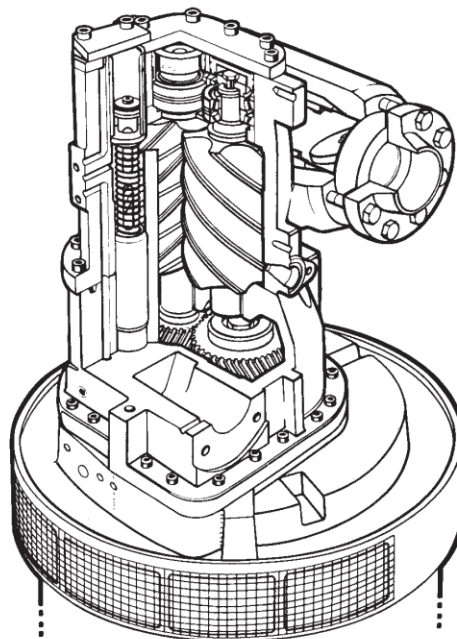


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Type R5 SCREW COMPRESSORS
Technical data
Generation E and later generations



		R51	R53	R55	R57	R59
50 Hz	Swept volume, m ³ /h	—	245	288	345	412
	Permissible maximum applied power, kW	—	92	108	130	130
60Hz	Swept volume, m ³ /h	245	288	345	412	—
	Permissible maximum applied power, kW	92	108	130	130	—

- Motor rotation direction: Clockwise viewed facing the shaft end (arrow on bearing housing)
- Max permissible inlet pressure: 10 bar absolute
- Max permissible discharge pressure: 26 bar absolute
- Min pressure ratio at V_i = 2.5: 1.8
- Min pressure ratio at V_i = 4.0: 3.0

See appropriate manual sheet 4815-E-xxx for information about the permissible operating range for your compressor and refrigerant.

NOTE: The applied power figures tabulated above are for the following built-on motors: 3931 3224, 3931 3229, 3931 3234, 3931 3239

Den här tekniska beskrivningen är avsedd för tekniska personer som arbetar med kylsystem. Den innehåller tekniska detaljer som inte är avsedda för allmänheten. För ytterligare information kontakta STAL.

This technical description is intended for technical personnel working with refrigeration systems. It contains technical details not intended for the general public. For further information contact STAL.

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