



**2.2 – 5.5kW ROTARY AIR COMPRESSOR
CONTACT COOLED
FIXED SPEED DRIVE**



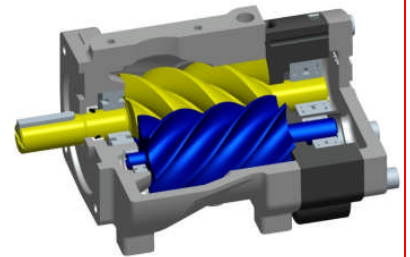
Introduction

The ideal choice for duty requirements of automotive, paint shop, fabrication shops and general light industrial applications is the Ingersoll Rand 2.2 to 5.5 kW rotary compressor range.

We listened to our customers needs and the following design considerations, amongst others, were of paramount importance: cost effectiveness, a quiet performance, easy to maintain, a high performance and a compact size.

Cost Effective

It was a market traditionally dominated by reciprocating compressors due to cost constraints. However, advances in technology have help close the gap in cost, making the rotary screw a cost effective offering. The rotary screw uses lower energy costs to produce the same volume of air, giving additional savings.



Quiet Performance

The range has sound levels as low as 64dB(A), allowing the compressors to be located closer to point of use without disrupting the workplace or risking any health and safety regulations. The low vibrations and the sound proof, foam lined panels help keep noise levels to a minimum. The result of this lower sound level is a more productive and safer working environment.

Easy to Maintain

The units are designed to be easily maintained and the routine maintenance points are easily accessible. Access is quick and simple through easily removable panels, allowing the user to check or change:

- Coolant (includes oil sight level glass)
- Air filter element
- Spin on oil filter
- Separator element
- Belt



The clear but simple and effective control panel includes:

- Emergency stop button
- Receiver pressure gauge
- Hour meter
- Alarm indicator
- Power on indicator



- On/off switch
- Machine ready and machine fault lights

Performance and Reliability

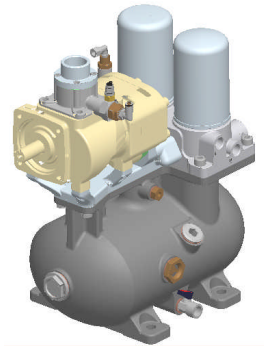
The 2.2 – 5.5kW rotary screw compressor offers a reliable compressed air solution, with a performance to match.

The use of high quality components eliminates any possible disruption to the end user.

The unit contains an integrated airend/separation module that contains:

- The proven design of an Ingersoll Rand GHH manufactured airend is connected directly to the separator tank
- A common manifold containing MPV, thermostatic valve, oil filter, separator element
- HATS
- Oil sight level glass and coolant drain point/fill

The design reduces the number of joints, leak paths and pressure drops to a minimum, ensuring the package is clean and uncluttered. It is a space saving, proven design with many modules in the field.



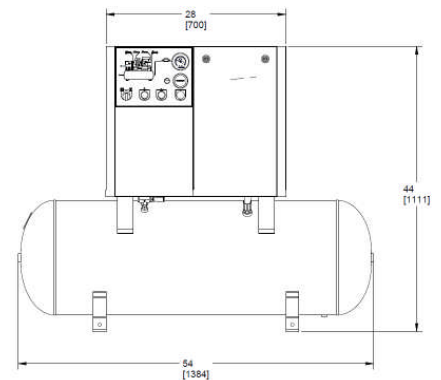
The main motor comes in power sizes of 2.2, 4.0 and 5.5kW. Standard electrics are 400/3/50 and the motors are rated S1 duty, IP55, with a 'F' class insulation.

Start/stop pressure switch control is standard. The 2.2kW unit is direct on line starting, with the 4kW unit having the option of either direct on line or star/delta. The 5.5kW unit comes complete with star/delta.

Compact Size

The units are designed to have a minimum footprint. All units are receiver mounted on a 200 litre receiver tank to help maintain the small footprint of the offering. The optional dryer models don't increase this footprint, saving vital floor space in the workplace.

The top cooling air discharge also saves the user additional space due to the fact that an area around the compressor for ventilation is not required.



Environmental

The Ingersoll Rand 2.2 – 5.5kW rotary compressors can be classed as environmental in a couple of ways.

The low noise compressor package: with sound levels as low as 64 dB(A), improves the working environment and allows installation virtually anywhere and closer to point of use.

Utilising the now standard Ultra Coolant allows easy condensate separation, therefore reducing maintenance costs by lasting longer between changes. Further coolant replacement costs are minimised due to the superior separation system of the Ultra Coolant.



Technical Data

Nominal Power: 2.2, 4.0 & 5.5 kW

Standard Electrics: Compressor 400 Volt, 3 phase, 50 Hertz
 Dryer option 230 Volt, 1 phase, 50 Hertz

Power (kW)	2.2	4.0	5.5
Capacity (m ³ /min)	0.24	0.47	0.62
Capacity (cfm)	8.5	16.5	22
Max. pressure (bar g)	10	10	10

Ambient Temp: min. : 2 °C
 max. : 46 °C

Sound Level: 2.2kW 64 [±3] dB(A)
 4.0kW 64 [±3] dB(A)
 5.5kW 67 [±3] dB(A)

Receiver (standard on all units)

Receiver capacity 200 litres

Package Dimensions

Standard unit

	kW	Length(mm)	Width (mm)	Height (mm)	Weight (kg)
R2.2IU-10-200	2.2	1393	555	1111	184
R4IU-10-200	4.0	1393	555	1111	186
R4IU-10-200SD	4.0	1393	555	1111	186
R5.5IU-10-200SD	5.5	1393	555	1111	187

With dryer unit

	kW	Length(mm)	Width (mm)	Height (mm)	Weight (kg)
R2.2IU-10-200-D	2.2	1393	555	1111	210
R4IU-10-200-D	4.0	1393	555	1111	212
R4IU-10-200SD-D	4.0	1393	555	1111	212
R5.5IU-10-200SD-D	5.5	1393	555	1111	213

