

Oil-Flooded Rotary Screw Air Compressors

R-Series 45-75 kW (60-100 hp) 50 Hz

Ingersoll Rand R-Series compressors offer the best of time-proven designs and technologies with advanced features to ensure the highest levels of reliability, efficiency and productivity.



- **Progressive Adaptive Control (PAC™) protection** continuously monitors key operating parameters and adapts to prevent unexpected downtime
- **V-Shield™ technology** provides a totally integrated, leak-free design

- **Sequential cooling system** significantly improves efficiency, serviceability and noise level
- **Time-proven airends** provide market-leading efficiency and reliability
- **Trouble-free operation** ensures increased uptime with features such as two-stage filtration, easy maintenance and extended life Ingersoll Rand premium grade coolant
- **The Xe-Series controller** features an intuitive high resolution color display with Web-enabled communication and control
- **The optional R-Series Total Air System (TAS)** provides clean, dry air in a single package that minimises installation costs and space



Xe-145M option shown

| Standard features include: | Optional features include: |
|--|---|
| Xe-90M controller with 90 mm screen | Xe-145 controller with 145 mm screen |
| Progressive Adaptive Control (PAC™) protection | Flow control by inlet modulation |
| Air-cooled sequential cooling system | Extreme low ambient protection to -23°C (-10°F)* & frost protection to -10°C (14°F) |
| V-Shield™ technology | High ambient protection up to 55°C (131°F) |
| Ergonomic swing-out lid on the separator tank | Premium high dust filtration |
| Noise attenuation enclosure | Fluid containment system |
| Package pre-filtration | Web-based graphing and trending |
| Long-life filtration and separation elements | Email notification of warnings and trips |
| 12-month full package warranty | Energy Recovery System (ERS) |
| | Outdoor modification/rain protection |
| | Total Air System (TAS) |

*Available in North America only

i Ingersoll Rand Standard – 50 Hz Performance

| Model | Max. Pressure | | Nominal Power | | Capacity (FAD)* | | Dimensions (Length x Width x Height) | | Weight (Air-cooled) | |
|-------|---------------|--------|---------------|-----|---------------------|-----|--------------------------------------|--------------|---------------------|-------|
| | bar | g psig | kW | hp | m ³ /min | cfm | mm | in | kg | lb |
| R45ie | 7.5 | 110 | 45 | 60 | 8.00 | 281 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| | 8.5 | 125 | 45 | 60 | 7.60 | 267 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| | 10.0 | 145 | 45 | 60 | 6.80 | 241 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| R55i | 7.5 | 110 | 55 | 75 | 10.19 | 360 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| | 8.5 | 125 | 55 | 75 | 9.43 | 333 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| | 10.0 | 145 | 55 | 75 | 8.58 | 303 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,603 | 3,533 |
| R75i | 7.5 | 110 | 75 | 100 | 13.34 | 471 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,718 | 3,787 |
| | 8.5 | 125 | 75 | 100 | 12.77 | 451 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,718 | 3,787 |
| | 10.0 | 145 | 75 | 100 | 11.61 | 410 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,718 | 3,787 |
| | 14.0 | 200 | 75 | 100 | 8.83 | 312 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,718 | 3,787 |

i Ingersoll Rand† Total Air System (TAS) – 50 Hz Performance

| Model | Max. Pressure | | Nominal Power | | Capacity (FAD)* | | Dimensions (Length x Width x Height) | | Weight (Air-cooled) | |
|-----------|---------------|--------|---------------|-----|---------------------|-----|--------------------------------------|--------------|---------------------|-------|
| | bar | g psig | kW | hp | m ³ /min | cfm | mm | in | kg | lb |
| R45ie TAS | 7.0 | 103 | 45 | 60 | 8.00 | 281 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| | 8.0 | 118 | 45 | 60 | 7.60 | 267 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| | 9.5 | 138 | 45 | 60 | 6.80 | 241 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| R55i TAS | 7.0 | 103 | 55 | 75 | 10.19 | 360 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| | 8.0 | 118 | 55 | 75 | 9.43 | 333 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| | 9.5 | 138 | 55 | 75 | 8.58 | 303 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,753 | 3,864 |
| R75i TAS | 7.0 | 103 | 75 | 100 | 13.34 | 471 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,868 | 4,118 |
| | 8.0 | 118 | 75 | 100 | 12.77 | 451 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,868 | 4,118 |
| | 9.5 | 138 | 75 | 100 | 11.61 | 410 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,868 | 4,118 |
| | 13.5 | 193 | 75 | 100 | 8.83 | 312 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,868 | 4,118 |

n Ingersoll Rand Nirvana Standard – 50 Hz Performance

| Model | Max. Pressure | | Nominal Power | | Capacity (FAD)** | | Dimensions (Length x Width x Height) | | Weight (Air-cooled) | |
|-------|---------------|--------|---------------|-----|---------------------|---------|--------------------------------------|--------------|---------------------|-------|
| | bar | g psig | kW | hp | m ³ /min | cfm | mm | in | kg | lb |
| R55n | 4.5-10.0 | 65-145 | 55 | 75 | 3.23-10.53 | 114-372 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,420 | 3,131 |
| R75n | 4.5-10.0 | 65-145 | 75 | 100 | 3.23-13.56 | 114-479 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,420 | 3,131 |

n Ingersoll Rand Nirvana† Total Air System (TAS) – 50 Hz Performance

| Model | Max. Pressure | | Nominal Power | | Capacity (FAD)** | | Dimensions (Length x Width x Height) | | Weight (Air-cooled) | |
|----------|---------------|--------|---------------|-----|---------------------|---------|--------------------------------------|--------------|---------------------|-------|
| | bar | g psig | kW | hp | m ³ /min | cfm | mm | in | kg | lb |
| R55n TAS | 4.5-9.5 | 65-135 | 55 | 75 | 3.23-10.11 | 114-357 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,570 | 3,462 |
| R75n TAS | 4.5-9.5 | 65-135 | 75 | 100 | 3.23-12.94 | 114-457 | 2,432 x 1,265 x 2,032 | 96 x 50 x 80 | 1,570 | 3,462 |

*FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and is measured at 0.5 bar g/10 psig lower than maximum pressure on non-TAS units and 3 psig lower than maximum on TAS-equipped units.
 **FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and capacity range is measured at 7 bar g/100 psig.
 †TAS units deliver ISO Class 1-4-2 quality air measured at steady state conditions in accordance with ISO 8573-1:2001 that dictates inlet air to package of 25°C (77°F) and relative humidity of 60%.



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