

The new D Series 37-75kW



CompAir has extended its oil free rotary screw compressor range with the new D37-D75 (RS) Series.

What it is:

- Class Zero Oil FREE Rotary Screw Compressors
- Nominal Power from 37-75 kW
- Capacity of up to 12.7 m³/min (@ 7 bar g)
- Complementing the established 75 to 315 kW model range
- Fixed Speed and Variable Speed (RS) Models
- Air-cooled and Water-cooled
- Numerous Further Options

Features & Benefits

Highest productivity

- Oil Free Class 0 certified air delivered for the most demanding industries
- Intuitive Controller with extensive events history and advanced connectivity

Optimum efficiency

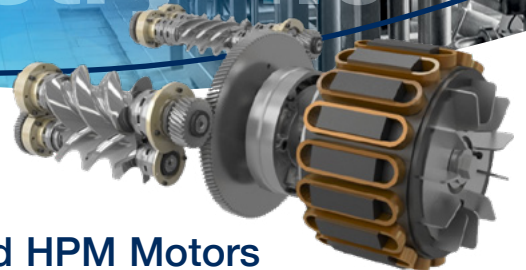
- RS models with HPM Motor Technology
- Hot Air Discharge option for lowest pressure dew points without additional energy consumption via HOC dryer
- Energy Recovery System (ERS Ready) option to conserve heat energy and save thousands per year

Maximum reliability

- Patented Ultracoat™ treatment of rotors and internal parts of compression chamber to avoid corrosion
- Stainless Steel robust piping design on the cold side
- Efficient inlet air filter for the best care of the air compressed path
- IP65 electrical fittings and control panel

Value added services

- Easy access to main components
- No special tools required
- 8000 hours coolant change interval
- Free iConn inside
- PureCare 6 year extended warranty



Robust Long-Life Airend Design:

- ✓ UltraCoat protection - the most durable coating in the industry
- ✓ Precision machined gears
- ✓ Oversized bearings
- ✓ Stainless steel air seals
- ✓ Unique labyrinth oil seal design
- ✓ Stainless steel 2nd stage rotors
- ✓ Stainless steel, aluminium and treated piping on critical components

Advanced HPM Motors for RS models:

- ✓ Best-in-Class motor efficiency
- ✓ 30% or more energy savings compared to conventional compressor control
- ✓ Unlimited starts and stops
- ✓ Increased motor life and reliability
- ✓ Low maintenance cost

Technical Data - D37-75 Fixed Speed

Compressor Model	Cooling Method	Motor Rating [kW]	Nominal Pressure [bar g]			Free Air Delivered at Nominal Pressure ¹⁾ [m ³ /min]			Dimensions L x W x H [mm]	Noise Level ²⁾ [dB(A)] [8 bar g]	Weight [kg]
						7 bar g	8.5 bar g	10 bar g			
D37	Air	37	7	8.5	6.0	5.1	-	2248 x 1372 x 1917	76	2387	
	Water				6.0	5.2					
D45	Air	45	7	8.5	7.7	6.5	-	2248 x 1372 x 1917	76	2497	
	Water				7.7	6.5					
D55	Air	55	7	8.5	10	9.6	8.8	7.7	2248 x 1372 x 1917	76	2577
	Water					9.6	8.8	7.8			
D75s	Air	75	7	8.5	10	12.7	11.6	10.7	2248 x 1372 x 1917	76	2682
	Water					12.7	11.7	10.8			

D37RS-75RS Regulated Speed

Compressor Model	Cooling Method	Motor Rating [kW]	Nominal Pressure [bar g]	Free Air Delivered at Nominal Pressure ²⁾ [m ³ /min]	Dimensions L x W x H [mm]	Noise Level ²⁾ [dB(A)]	Weight [kg]
D37RS	Air	37	8.5	5.1	2080 x 1115 x 2070	65 - 74	1579
	Water					63 - 69	
D45RS	Air	45	8.5	6.3	2080 x 1115 x 2070	65 - 74	1579
	Water					63 - 69	
D55RS	Air	55	10	7.8	2078 x 1321 x 1947	76 - 80	2042
	Water					76 - 80	
D75RS	Air	75	10	10.6	2078 x 1321 x 1947	76 - 80	2042
	Water					76 - 80	