





## ENGINEERING DATA SHEET

# RS37n

Total Air System (TAS)  
60Hz

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Sheet: 2 of 2  
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Model		RS37n-A135-TAS				
<b>COOLANT LUBRICATION DATA</b>						
Total Coolant Capacity - Air Cooled	litres (US gal)	15.4 (4.1)				
<b>PIPING CONNECTIONS</b>						
Air Discharge	Inches BSPT	1.5 INCH (FEMALE)				
Package Automatic Condensate Drain	Inches BSPT	.25 INCH (FEMALE)				
Coolant Drain - Hose Size	Inches	0.875				
Diameter of Power Inlet	mm / (inch)	120 (4.7)				
<b>DIMENSIONS AND WEIGHT</b>						
Length, Width, Height	mm (inches)	1937, 1056, 1534 (76, 42, 60)				
Net Weight - Air Cooled	kg (lb.)	1243 (2740)				
GA Drawing Number - Air Cooled		49182587				
<b>ELECTRICAL DATA</b>						
Motor Protection	(13)	TEFC, IP55				
Motor, Number of Poles		2				
Motor Insulation Class / Temperature Rise		Class F, 155 °C				
Full Load Package Current - Air Cooled	(9) Amps @ 230V	147				
	Amps @ 380V	89				
	Amps @ 460V	74				
	Amps @ 575V	59				
Package Power Factor		0.86				
<b>Electrical Installation</b>						
Recommended Supply Cable Size	(10) mm <sup>2</sup> Cu (AWG) @ 230V	70 (2/0)				
	mm <sup>2</sup> Cu (AWG) @ 380V	50 (1/0)				
	mm <sup>2</sup> Cu (AWG) @ 460V	35 (2 AWG)				
	mm <sup>2</sup> Cu (AWG) @ 575V	25 (4 AWG)				
Maximum Recommended Fuse Rating	(10)(11) Amps @ 230V	250				
	Amps @ 380V	150				
	Amps @ 460V	125				
	Amps @ 575V	100				
<b>Refrigerated Dryer Data</b>						
Refrigerant Type		R404a				
Refrigerant Quantity	Grams (Ounces)	1600 (56)				
Fan Air Flow	m <sup>3</sup> /min (CFM)	61 (2137)				
<b>Filter Data</b>						
ISO Class	(Particles, Humidity and Liquid Water, Oil)	ISO Class	Particles	Humidity and Liquid Water	Total Oil	
ISO Class Data	1.5-1	[0.1 - 0.5µm]	[0.5 - 1µm]	[1 - 5µm]	±4°C	±0.01 mg/m <sup>3</sup>

**Notes :**

- (1) FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217 : 2009 Annex E
- (2) Maximum pressure at package discharge, value at which compressor will stop when unit operating at maximum target pressure
- (3) IE3 efficiency motor
- (4) Measured at rated capacity and rated pressure
- (5) Specific power guaranteed in accordance with ISO 1217 : 2009 Annex E
- (6) Measured in free field conditions per ISO 2151 using Hemispherical Method; ducted inlet and outlet, with + 3 dB(A) tolerance.
- (7) CTD based on 100°F/38°C inlet air at 40% Relative Humidity (For alternate conditions contact Ingersoll Rand)
- (8) BSPT or NPT, depending on regional standard
- (9) Maximum current includes 10% additional current due to fouled filters and elements
- (10) 90°C copper cables. Always apply local electrical codes for sizing cables and system protection.
- (11) Fast acting Class-J, T or semiconductor type, current limiting, and interrupt rating 200,000 Amps RMS. Apply local electrical codes for fuse sizing.
- (12) Coolant volumes listed are approximate. See operator manual for coolant fill procedure.
- (13) 60Hz (±0.5%) motor voltage tolerance: (208)±10%; (220)±10%; (230)±10%; (380)-6/+10%; (440) ±10%; (460) ±10%; (575) -6/+10%
- (14) TAS units deliver ISO Class 1-5-1 quality air measured at steady state conditions in accordance with ISO 8573-1:2010, with inlet air to package of 25°C (77°F) and RH of 60%.

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