



ENGINEERING DATA SHEET

RS30n

Total Air System (TAS)
60Hz

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Rev.: F
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Sheet: 2 of 2
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Model		RS30n-A135-TAS			
COOLANT LUBRICATION DATA					
Total Coolant Capacity - Air Cooled	litres (US gal)	15.4 (4.1)			
PIPING CONNECTIONS					
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)			
DIMENSIONS AND WEIGHT					
Length, Width, Height	mm (inches)	1937, 1056, 1534 (76, 42, 60)			
Net Weight - Air Cooled	kg (lb.)	1180 (2601)			
GA Drawing Number - Air Cooled		49182587			
ELECTRICAL DATA					
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	128			
	Amps @ 380V	78			
	Amps @ 460V	64			
	Amps @ 575V	51			
Package Power Factor		0.86			
Electrical Installation					
Recommended Supply Cable Size	(10) mm ² Cu (AWG) @ 230V	50 (1/0)			
	mm ² Cu (AWG) @ 380V	35 (2 AWG)			
	mm ² Cu (AWG) @ 460V	25 (4 AWG)			
	mm ² Cu (AWG) @ 575V	25 (4 AWG)			
Maximum Recommended Fuse Rating	(10)(11) Amps @ 230V	200			
	Amps @ 380V	125			
	Amps @ 460V	100			
	Amps @ 575V	80			
Refrigerated Dryer Data					
Refrigerant Type		R404a			
Refrigerant Quantity	Grams (Ounces)	1600 (56)			
Fan Air Flow	m ³ /min (CFM)	61 (2137)			
Filter Data					
ISO Class	(Particles, Humidity and Liquid Water, Oil)	Particles		Humidity and Liquid Water	Total Oil
ISO Class Data	1.5-1	[0.1 - 0.5µm] ≥100	[0.5 - 1µm] ≤1	[1 - 5µm] ≤0	≤+7°C ≤0.01 mg/m ³

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%.

Product Improvement is a continuing goal at Ingersoll Rand. Design and specifications are subject to change without notice or obligation.