



ENGINEERING DATA SHEET

RS30n
60Hz

CCN: 47573541
Rev.: F
ECN: 1159148
Sheet: 2 of 2
Date: December-2016

Model		RS30n-A145
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.)	1075 (2370)
GA Drawing Number - Air Cooled		49182587
ELECTRICAL DATA ⁽¹³⁾		
Motor Protection		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	121
	Amps @ 380V	74
	Amps @ 460V	61
	Amps @ 575V	49
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

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%

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