



ENGINEERING DATA SHEET

RS250
60Hz

CCN: 47590689001
Rev.: D
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Sheet: 2 of 2
Date: May-2018

Model	RS250n-W145	
COOLANT LUBRICATION DATA		
Total Coolant Capacity - Water Cooled	litres (US gal)	102.0 (26.9)
PIPING CONNECTIONS		
Air Discharge	Inches Flange	4.00 (8xM16; 7.5 IN B.C)
Package Automatic Condensate Drain	Inches NPT	.38 (FEMALE)
Coolant Drain - Hose Size	Inches	0.875
Diameter of Power Inlet	mm / (inches)	110 (4.3)
Water Inlet and Outlet Connections	Inches NPT	2.00 (FEMALE)
DIMENSIONS AND WEIGHT		
Length, Width, Height	mm (inches)	3752, 2150, 2504 (147.7, 84.6, 98.6)
Net Weight - Water Cooled	kg (lb.)	7051 (15545)
GA Drawing Number - Water Cooled		47589258
ELECTRICAL DATA ⁽¹³⁾		
Motor Protection		TEFC, IP55
Motor, Number of Poles		4
Motor Insulation Class / Temperature Rise		Class F, 155 °C
Full Load Package Current - Water Cooled	⁽⁹⁾	
	Amps @ 380V	506
	Amps @ 460V	418
	Amps @ 575V	335
Package Power Factor		0.92
Electrical Installation		
Recommended Supply Cable Size	⁽¹⁰⁾	
	mm ² /Cu (Kcmil) @ 380V	2x400 (2x700)
	mm ² /Cu (Kcmil) @ 460V	800 (1250)
	mm ² /Cu (Kcmil) @ 575V	400 (750)
Maximum Recommended Fuse Rating	⁽¹⁰⁾⁽¹¹⁾	
	Amps @ 380V	1000
	Amps @ 460V	1000
	Amps @ 575V	700

Notes :

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

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