



AWR5535EXC

Product Family :
AW

Application :
AC, HBP

Status :
Active

Voltage :
220-240V 1PH 50Hz

Refrigerant :
R-22

Product Technology :
Reciprocating

AW Series Reciprocating Compressor

Project Name:	
Customer Name:	
Item Number:	
Refrigerant:	
Job Location:	
Date:	



PRODUCT SPECIFICATION

General

Horse Power: 2 1/2 HP

Motor Torque: Low Start Torque (LST)

Evaporating Range: -23.3°C to 12.8°C (-10°F to 55°F)

Mechanical

Displacement (CC): 59

Compressor Cooling: Fan

Oil Charge: 1140 cc

Oil Type: Mineral

Viscosity: 37

Agency Approval

Agency: ISI

Electrical

LRA: 85

Motor Type: PSC

MCC: 23.6

Motor Resistance - Main: 0.79

Motor Resistance Start: 2.71

RLA 50HZ: 13.2

Voltage Frequency: 50Hz

Voltage Range 50Hz: 198to264




PERFORMANCE

Performance Data shown here is calculated and is for reference purposes. For actual performance data at specific rated conditions please click on the Performance Calculator button below the table. The performance calculator is only available for Fixed Speed Compressors and Condensing Units. If you do not see performance data here, please contact Customer Service for assistance.

REFRIGERANT: R22 FREQUENCY: 50HZ

Operating conditions	Application	Capacity (W)	Capacity (Btu/h)	Capacity (Kcal/h)
ARI 520-90 45°F, 130°F 7°C, 54°C	Air Conditioning	8336	28428	7169
ARI 540-97 45°F, 130°F 7°C, 54°C	Air Conditioning	7729	26356	6647
ASHRAE 45°F, 130°F 7°C, 54°C	Air Conditioning	8651	29499	7440
CECOMAF 41°F, 131°F 5°C, 55°C	Air Conditioning	7246	24711	6232
EN12900 41°F, 122°F 5°C, 50°C	Air Conditioning	7542	25720	6486

Looking for the complete set of Performance Data for this product? Please see our [Performance Calculator](#).



ITEMS SPECIFICATIONS

	AW163JH-041-A2	AW163JH-077-A2	AW163NH-041-A4Q	AW163NH-077-A4Q
Documentation				
Electrical	PDF	PDF	PDF	PDF
Drawing_EN	PDF	PDF	PDF	PDF
Specification				
Status	Active	Active	Active	Active
Global Model	AWR5535EXC	AWR5535EXC	AWR5535EXC	AWR5535EXC
Overload Type	Internal	Internal	Internal	Internal
Packaging	MULTI	MULTI	MULTI	MULTI
Length	281 MM(11.045IN)	249 MM(9.789IN)	281 MM(11.045IN)	249 MM(9.789IN)
Height	334 MM(13.143IN)	334 MM(13.143IN)	334 MM(13.143IN)	334 MM(13.143IN)
Width	278 MM(10.915IN)	229 MM(8.9925IN)	278 MM(10.915IN)	229 MM(8.9925IN)
Weight	29KG(64LB)	29KG(64LB)	30KG(66LB)	30KG(66LB)
Discharge Line Size	3/8_IN_FLARE	3/8 in (9.52mm)	3/8_IN_FLARE	3/8_IN_FLARE
Suction Line Size	5/8_IN_FLARE	5/8 in (15.9mm)	5/8_IN_FLARE	5/8_IN_FLARE
Grommet	Y	Y	Y	Y
Overload	Y	Y	Y	Y
Terminal Cover	Y	Y	Y	Y