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Product Specifications for H23A463DBL

Related Information

Measurement System: English

Switch to Metric

Revision: 5

Refrigerant: R22 Series Family: A

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Technical Specifications:

Voltage	Phase	Frequency	Evaporator Temperature Range
230/200	3	60	-20°F to 55°F

Performance	1	2	3	4	5	6
	ARI	ARI	ASRET	B-POINT	CHEER	HEATPUMP
	(230v)	(200v)	(230v)	(230v)	(230v)	(230v)
Capacity (Btu/hr)	46 300		47 500	54 600	58 900	36 800
Motor Input (Watt)	4 460		4 430	4 000	3 670	3 430
Current (Amp)	12.6	0.0	12.6	11.5	10.8	10.2
EER (Btu/W-hr)	10.4	NaN	10.7	13.7	16.0	10.7
Efficiency (%)						

Evaporating Temp. °F	45	45	45	45	45	30
Condensing Temp. °F	130	130	130	110	100	110
Ambient Temp. °F	95	95	95	95	95	95
Liquid Temp. °F	115	115	115	95	85	95
Return Gas Temp. °F	65	65	95	65	65	50

Nominal Performance Data @ 60 Hz (±5%) based upon 72hr run-in

Mechanical Data

Bore X Stroke	2.000 X 0.784 in	Speed	3500 rpm
Displacement	598.6 ft³/hr	IPRV Setting	400 - 500 ΔP(psi)
Displacement	4.926 in³/rev	Refrigerant Charge Limit	6 lb

Electrical Data

RLA: 12.6	LRA: 90	MCC: 24.0
Voltage Range: 180 - 253	Protection Type: Internal Line Break	
U.L. File: SA5470	CE Approval: No	CCC Approval: No

Motor Res. in Ohms (?) ± 5%

T1-T3	T1-T2	T2-T3
(C-R)	(C-S)	(S-R)
1.030	1.030	2.060
1.000	1.000	

Electrical Accessories

Start Relay: ()

Start Cap: N/A  $\mu$ F/volts  
Run Cap: N/A  $\mu$ F/volts  
PTCR Start Device: Ceramite P/N: N/A  
Crankcase Heater Vendor P/N: Sensata 8HT5  
Type-Watts: PCTR - 30

(Parenthesis Denote Med.Torque Components)  
PTCR Start Device: AC Ohms: N/A

Other Technical Info  
Oil Name: 3GS Mineral Oil  
Oil Spec: 581003  
Viscosity: 29.5 cSt @ 40°C  
Internal Free Volume: 552 in<sup>3</sup>  
Max. Compressor Height: 14.625 in  
Other Comments:

Oil Charge  
Initial Charge: 55 oz  
Recharge: 52 oz

Weight Net: 74.0 lb  
Weight Shipped: 78.5 lb

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