

Product Specifications for H73A623DBE

Measurement System: Metric		Revision: 6		Technical Specifications			
Refrigerant: R407C		Series Family: A		Voltage	Phase	Frequency	Evaporator Temperature Range
				380/415	3	50	-30°C to 10°C

Performance	1	2	3	4	5	6	7
	ARI	ARI	ASRET	B-POINT	CHEER	HEATPUMP	ARI *
	(380v)	(415v)	(380v)	(380v)	(380v)	(380v)	(380v)
Capacity (Watts)	13 500		14 200	16 600	18 500	11 300	14 400
Motor Input (Watt)	4 550		4 520	4 200	3 920	3 570	4 790
Current (Amp)	7.2	0.0	7.2	6.7	6.3	6.0	8.2
COP	3.0	NaN	3.1	4.0	4.7	3.2	3.0
Efficiency (%)							
Evaporating Temp.°C	7.2	7.2	7.2	7.2	7.2	-1.1	7.2
Condensing Temp.°C	54.4	54.4	54.4	43.3	37.8	43.3	54.4
Ambient Temp.°C	35	35	35	35	35	35	35
Liquid Temp.°C	41.7	41.7	41.7	30	24.4	30	43.9
Return Gas Temp.°C	18.3	18.3	35	18.3	18.3	10	20.6

Nominal Performance Data @ 50 Hz (±5) based upon 72hr run-in

* "Average" method (others use the "Dew Point" method).

The "Dew Point" method values were updated July 2010 to conform to AHRI 540.

Mechanical Data

Bore X Stroke	5.080 X 2.550 cm	Speed	2950 rpm
Displacement	18.3 m ³ /hr	IPRV Setting	28 - 34 ΔP(bar)
Displacement	103.4 cc/rev	Refrigerant Charge Limit	2 kg

Electrical Data

RLA: 8.2	LRA: 62	MCC: 16.0
Voltage Range: 342 - 457	Protection Type: Internal Line Break	
U.L. File: SA5470	CE Approval: Yes	CCC Approval: No
Motor Res. in Ohms (Ω) ± 5%		
T1-T3 (C-R)	T1-T2 (C-S)	T2-T3 (S-R)
2.790	2.790	5.580

Electrical Accessories

Start Relay: ()	
Start Cap: N/A μF/volts	
Run Cap: N/A μF/volts	(Parenthesis Denote Med.Torque Components)
PTCR Start Device: Ceramite P/N: N/A	PTCR Start Device: AC Ohms: N/A
Crankcase Heater Vendor P/N: Sensata 8HT5	
Type-Watts: PCTR - 30	

Other Technical Info

Oil Name: Polyolester 32BCE	Oil Charge	Internal Free Volume	9 177 cc
Oil Spec: 581857	Initial Charge: 1627 cc	Max. Compressor Height	40.958 cm
Viscosity: 30.0 cSt @ 40°C	Recharge: 1538 cc	Weight Net	37.7 kg
		Weight Shipped	39.7 kg

H73A623DBE Copyright © 2014Bristol Compressors International, Inc. All rights reserved.