

Product Specifications for H73A543DBE

Measurement System: Metric		Revision: 4		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)	12 000		12 600	14 900	16 400	9 900	12 800
Motor Input (Watt)	4 040		4 010	3 750	3 470	3 130	4 250
Current (Amp)	6.3	0.0	6.3	5.9	5.5	5.2	7.2
COP	3.0	NaN	3.1	4.0	4.7	3.2	3.0
Efficiency (%)			66.0				64.0
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 2.286 cm	Speed	2950 rpm
Displacement	16.4 m ³ /hr	IPRV Setting	28 - 34 ΔP(bar)
Displacement	92.7 cc/rev	Refrigerant Charge Limit	3 kg

Electrical Data

RLA: 7.2	LRA: 53	MCC: 12.5
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)
3.200	3.200	6.400

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 9HT5	
Type-Watts: PCTR - 47	

Other Technical Info

Oil Name: Polyolester 32BCE	Oil Charge	Internal Free Volume	9 701 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	36.1 kg
		Weight Shipped	38.1 kg

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