

Product Specifications for H71J383DBV

Measurement System: Metric		Revision: 3		Technical Specifications			
Refrigerant: R407C		Series Family: J		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	HEATPUMP	ARI*	13 SEER A	13 SEER B	45/100
	(380v)	(415v)	(380v)	(380v)	(380v)	(380v)	(380v)
Capacity (Watts)	9 100	9 100	7 600		11 800	13 600	12 100
Motor Input (Watt)	2 780	2 940	2 200		2 460	2 180	2 130
Current (Amp)	5.1	5.2	4.3	0.0	4.7	4.1	4.3
COP	3.3	3.1	3.4	NaN	4.8	6.2	5.7
Efficiency (%)		61.0					
Evaporating Temp.°C	7.2	7.2	-1.1	7.2	8.9	10	7.2
Condensing Temp.°C	54.4	54.4	43.3	54.4	44.4	37.8	37.8
Ambient Temp.°C	35	35	35	35	35	35	35
Liquid Temp.°C	41.7	41.7	30	43.9	31.1	24.4	24.4
Return Gas Temp.°C	18.3	18.3	10	20.6	20	21.1	18.3

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 1.570 cm	Speed	2950 rpm
Displacement	11.3 m ³ /hr	IPRV Setting	31 - 38 ΔP(bar)
Displacement	63.6 cc/rev	Refrigerant Charge Limit	4 kg

Electrical Data

RLA: 5.0	LRA: 42	MCC: 8.0
Voltage Range: 342 - 457	Protection Type: Internal Line Break	
U.L. File: N/A	CE Approval: Yes	CCC Approval: No
Motor Res. in Ohms (Ω) ± 5%		
T1-T3 (C-R)	T1-T2 (C-S)	T2-T3 (S-R)
3.590	3.590	7.180

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	6 440 cc
Oil Spec: 581857	Initial Charge: 1331 cc	Max. Compressor Height	40.005 cm
Viscosity: 30.0 cSt @ 40°C	Recharge: 1242 cc	Weight Net	32.7 kg
		Weight Shipped	34.0 kg

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