

Product Specifications for H71J233DBV

Measurement System: Metric	Revision: 5	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 (380v)	ARI (415v)	HEATPUMP (380v)	ARI* (380v)	13 SEER A (380v)	13 SEER B (380v)	45/100 (380v)
Capacity (Watts)	5 700	5 700	5 000	5 800	7 500	8 900	7 900
Motor Input (Watt)	1 770	1 750	1 480	1 820	1 610	1 460	1 440
Current (Amp)	3.2	3.3	2.9	3.8	3.0	2.9	2.9
COP	3.2	3.2	3.3	3.2	4.6	6.1	5.5
Efficiency (%)	67.7	69.0	66.7	71.0	67.8	66.7	67.7
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	46.1	46.1	35	43.9	36.1	29.4	29.4
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 1.057 cm	Speed	2950 rpm
Displacement	7.6 m ³ /hr	IPRV Setting	31 - 38 ΔP(bar)
Displacement	42.8 cc/rev	Refrigerant Charge Limit	4 kg

Electrical Data

RLA: 3.3	LRA: 30	MCC: 5.6
Voltage Range: 342 - 456	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)
5.190	5.190	5.190

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: PTCR - 30	

Other Technical Info

Oil Name: Polyolester 32BCE	Oil Charge	Internal Free Volume	6 227 cc	
Oil Spec: 581857	Initial Charge: 1331 cc	Recharge: 1242 cc	Max. Compressor Height	38.735 cm
Viscosity: 30.0 cSt @ 40°C		Weight Net	32.2 kg	
		Weight Shipped	33.6 kg	

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