

System : English Refrigerant : R22 Series Family : A
Compressor Model : H23A383DBE Revision : 0 BOM ID : -

Techninal Specifications

Voltage	Phase	Frequency
415-380	3	50

Application	H	Evaporator temperature Range	-20 °F to 55 °F
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Nominal Performance Data @50Hz

Performance	ARI	ASRET	13 SEER B	ARI (45/100)	HEATPUMP
	460	460	460	460	460
Capacity (Btu/hr.)	42800	37900	55300	49100	30600
Motor Input (Watt)	3170	3060	2550	2470	2330
Current (Amp)	5.37	5.2	4.52	4.4	4.2
EER (Btu/W-hr.)	11.2	10.3	17.9	16.5	10.9
Efficiency (%)					
Evaporating Temp.°F	50	45	50	45	30
Condensing Temp.°F	130	130	100	100	110
Ambient Temp.°F	95	95	95	95	95
Liquid Temp.°F	115	115	85	85	95
Return Gas Temp.°F	65	95	65	65	50

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

Mechanical Data

Bore X Stroke (in)	2 x 0.66	Speed (rpm)	2950
Displacement (in ³ /rev)	-	IPRV Setting ΔP(psi)	400/500
Displacement (ft ³ /hr.)	-	Refrigerant Charge Limit (lbs)	6

Electrical Data

RLA :	5.20	UL Approval :	SA5470	Motor Res. In Ohms (Ω)±5%		
LRA :	39.00	CE Approval :	Yes	T1-T3 (C-R)	T1-T3 (C-S)	T2-T3 (S-R)
MCC :	9.5	CCC Approval	Yes	4.08	4.08	4.08
Voltage Range :	342/457					
Protection Type :	Internal Line Break					

Electrical Accessories Components

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

Misc. Technical Info

Oil Name :	3GS Mineral Oil	Polyolester 32BCE		
Oil Spec :	581003	CE Approval :	Recharge :	
Viscosity : (cSt @40°C)	29.5			
			Weight Net	
Sound Power (dBA) :	Internal Free Volume (in ³)	Max. Compressor Height (in)	Net (lbs)	Ship (lbs)
	552	14.625	74	78.5

Certificate Marks

REV. DATE 22-10-2020

C/N No. 0004/20