

System : English Refrigerant : R22 Series Family : A
Compressor Model : H23A543DBE 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.)	59900	53400	76300	68400	43500
Motor Input (Watt)	4700	4480	3760	3680	3480
Current (Amp)	7.55	7.21	6.32	6.2	5.88
EER (Btu/W-hr.)	11	10.3	17.5	16	10.8
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 0.9	Speed (rpm)	2950
Displacement (in ³ /rev)	-	IPRV Setting ΔP(psi)	400/500
Displacement (ft ³ /hr.)	-	Refrigerant Charge Limit (lbs)	5.5

Electrical Data

RLA :	7.20	UL Approval :	SA5470	Motor Res. In Ohms (Ω)±5%		
LRA :	53.00	CE Approval :	Yes	T1-T3 (C-R)	T1-T3 (C-S)	T2-T3 (S-R)
MCC :	12.5	CCC Approval	Yes	3.2	3.2	3.2
Voltage Range :	342/457					
Protection Type :	Internal Line Break					

Electrical Accessories Components

Start Relay :	0					
Start Cap (μF/d/volts) :						
Run Cap (μF/d/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)	
	580	16.125	79.5	84	

Certificate Marks

REV. DATE 22-10-2020

C/N No. 0004/20