

System : English Refrigerant : R407C Series Family : A
Compressor Model : H79A623DBV 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
Capacity (Btu/hr.)					
Motor Input (Watt)	4280	4150	3280	3290	3220
Current (Amp)	7.63	7.31	6.01	6.25	5.79
EER (Btu/W-hr.)	12.3	11.4	21	18.8	11.8
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 0.984	Speed (rpm)	2950
Displacement (in ³ /rev)	-	IPRV Setting ΔP(psi)	400/500
Displacement (ft ³ /hr.)	-	Refrigerant Charge Limit (lbs)	10

Electrical Data

RLA :	7.90	UL Approval :	No	Motor Res. In Ohms (Ω)±5%		
LRA :	76.00	CE Approval :	Yes	T1-T3 (C-R)	T1-T3 (C-S)	T2-T3 (S-R)
MCC :	18	CCC Approval	No	1.8	1.8	1.8
Voltage Range :	342/457					
Protection Type :	Internal Line Break					

Electrical Accessories Components

Start Relay :	0					
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 9HT5					
Type-watts :	PCTR - 47					

Misc. Technical Info

Oil Name :	Polyolester 32BCE	Polyolester 32BCE			
Oil Spec :	581857	CE Approval :	Recharge :		
Viscosity : (cSt @40°C)	30	65	62		
					Weight Net
Sound Power (dBA) :	Internal Free Volume (in ³)	Max. Compressor Height (in)	Net (lbs)	Ship (lbs)	
	680	17.375	105	109.5	

Certificate Marks