

System : English Refrigerant : R407C Series Family : A
Compressor Model : H79A423DBV 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.)	43700	38900	61400	54000	31400
Motor Input (Watt)	3000	2910	2370	2370	2330
Current (Amp)	5.52	5.57	5.32	4.98	5.03
EER (Btu/W-hr.)	12.3	11.3	21.4	18.9	11.4
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 0.714	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 :	5.90	UL Approval :	No	Motor Res. In Ohms (Ω)±5%		
LRA :	67.00	CE Approval :	Yes	T1-T3 (C-R)	T1-T3 (C-S)	T2-T3 (S-R)
MCC :	12	CCC Approval	No	2.112	2.112	2.112
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 :	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)	
	540	16.125	94	98.5	

Certificate Marks