

**Product Specifications for H25G144DBE**

Measurement System: Metric		Revision: 2		Technical Specifications		
Refrigerant: R22		Series Family: G	Voltage	Phase	Frequency	Evaporator Temperature Range
			380/415	3	50	-30°C to 10°C

Performance	1	2	3	4	5
	ARI	ARI	B-POINT	CHEER	HEATPUMP
	(380v)	(415v)	(380v)	(380v)	(380v)
Capacity (Watts)	34 200		41 000	44 400	29 100
Motor Input (Watt)	11 550		10 250	9 600	9 050
Current (Amp)	21.6	0.0	19.4	18.4	17.4
COP	3.0	NaN	4.0	4.6	3.2
Efficiency (%)					
Evaporating Temp.°C	7.2	7.2	7.2	7.2	-1.1
Condensing Temp.°C	54.4	54.4	43.3	37.8	43.3
Ambient Temp.°C	35	35	35	35	35
Liquid Temp.°C	46.1	46.1	35	29.4	35
Return Gas Temp.°C	18.3	18.3	18.3	18.3	10

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

**Mechanical Data**

Bore X Stroke	5.558 X 3.388 cm	Speed	2950 rpm
Displacement	N/A m <sup>3</sup> /hr	IPRV Setting	31 - 38 ΔP(bar)
Displacement	N/A cc/rev	Refrigerant Charge Limit	5 kg

**Electrical Data**

RLA: 21.6	LRA: (1st Winding) : N/A (Full Winding) : 126	MCC: 34.5
Voltage Range: 342 - 457	Protection Type: Internal Line Break	
U.L. File: SA5470	CE Approval: Yes	CCC Approval: No
Motor Res. in Ohms (Ω) ± 5%		
T1-T3 (C-R) 0.838	T1-T2 (C-S) 0.838	T2-T3 (S-R) 1.676

**Electrical Accessories**

Module Voltage Options	Crankcase Heater
24V Module, Bristol P/N: N/A	Watts : Wrap Around - 70 Bristol P/N : Tutco 02-4152-07S
120V Module, Bristol P/N: N/A	Recommended Valves :
230V Module, Bristol P/N: N/A	1 5/8 Suction , Bristol P/N : 250558 1 1/8 Discharge , Bristol P/N : 250507

**Other Technical Info**

Oil Name: Alkylbenzene 150T	Oil Charge	Internal Free Volume	19 976 cc
Oil Spec: 581006	Initial Charge: 2839 cc	Recharge: 2366 cc	Max. Compressor Height
Viscosity: 28.2 cSt @ 40°C			52.309 cm
		Weight Net	75.8 kg
		Weight Shipped	79.8 kg

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