HERMETIC ,AW5524EK ,Compressor , 20,950 BTU ,230/1/60 R-22 ,: 220-240 V/50 Hz., 1 Phase , 1.7458333333 TON

written by Lilianne | 26 April 2020

Electrical : 220-240 V/50 Hz. 1 Phase
Nominal Performance
Capacity 6,140 / – Watts
20,950 / – BTU/Hr
5,280 / – Kcal/Hr
Power Input 2,089 / – Watts
Locked Rotor Amps 51.30 / – Amps
Max Continuous Current – / – Amps
Rated Load Amps 9.64 / – Amps
COP 2.94 / – Watts / Watts
EER 10.03 / – BTU/W-Hr
Testing Conditions
Condensing Temperature 54.40 °C 129.9 °F
Evaporating Temperature 7.20 / – °C 45.0 / – °F
Liquid Temperature 46.10 °C 115.0 °F
Return Gas Temperature 35.00 °C 95.0 °F
Ambient Temperature 35.00 °C 95.0 °F
Application
Evaporating Temp. Range HBP, A/C @ 0.00 ° C to 13.00 ° C
(32.0° F to 55.4° F)
Heat Pump -23.30 ° C to 13.00 ° C
(-9.9° F to 55.4° F)
Refrigerant R22
Refrigerant Flow Control Capillary Tube
Compressor Cooling Fan
Compressor and Motor data

Compressor Type Reciprocating
Displacement 43.10 cc.
Oil Type Mineral Oil
Oil Charge 964 cc.
Motor Type P.S.C ; 2 Pole 2,850 / – r/m
Voltage Range 198-264/- Volts 50/- Hz.
Winding Resistance at 25 ° C
Start 2.52 Ohms
Run 1.24 Ohms
Weight with Oil 27.72 Kg.
Weight with Oil and Accessories 28.05 Kg.
Electrical Components
Motor Protector
Type Internal Overload
Model Number 4042KGE661-2
Open / Close 125-135 / 50-70 ° C
1st Cycle trip at 25 ° C 50.00 Amps(main) 30.00 Amps(start)
Motor Starter
Type Potential Relay
Model Number 4043KGE681-4(RVA3G6D)
Pick Up (max.) 180.00-195.00 Volts
Drop Out (min.) 40.00-90.00 Volts
Terminal Cover KGM 901-3
Start Capacitor 88-106 µF 330 VAC.
Disch Resistor for Start Cap –
Run Capacitor 45 µF 370/440 VAC.
Mounting Kit
Rubber Grommet 4007KGM905-2
Sleeve Grommet 4023KGM903-2
Washer –
Since we are constantly improving our product , the specification are subject to change without notice.
REV. DATE C / N No.
ECN 01-04-14 ECN 0515/13

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