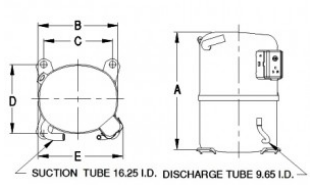
KULTHORN KIRBY
PUBLIC COMPANY LIMITED

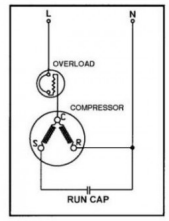
HERMETIC COMPRESSOR
MODEL : AW 5530EK
BOM ID : 607-A0

PRINCIPAL DIMENSIONS - MM



A: 324	B: 233	C: 191	D: 191	E: 239

SCHEMATIC WIRING DIAGRAM P.S.C.



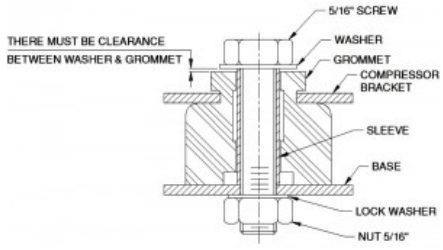
Low Torque Start

SCHEMATIC WIRING DIAGRAM -

-

-

MOUNTING KIT



-

Electrical : 220-240 V/ 50 Hz., - V/ - Hz. 1 Phase -/- HP

Nominal Performance		
Capacity	7,327 / - Watts	
	25,000 / - BTU/Hr	
	6,300 / - Kcal/Hr	
Power Input	2,498 / - Watts	
Locked Rotor Amps	73.00 / - Amps	
Max Continuous Current	- / - Amps	
Rated Load Amps	12.00 / - Amps	
COP	2.93 / - Watts / Watts	
EER	10.01 / - BTU/W-Hr	
Testing Conditions		
Condensing Temperature	54.40 °C	129.92 °F
Evaporating Temperature	7.20 / - °C	44.96 / - °F
Liquid Temperature	46.10 °C	114.98 °F
Return Gas Temperature	35.00 °C	95.00 °F
Ambient Temperature	35.00 °C	95.00 °F
Application		
Evaporating Temp. Range	HBP, A/C	@ 0.00 °C to 13.00 °C (32.00 F to 55.40 °F)
	Heat Pump	-23.30 °C to 13.00 °C (-9.94 F to 55.40 °F)
Refrigerant	R22	
Refrigerant Flow Control	Capillary Tube	
Compressor Cooling	Fan	
Compressor and Motor data		
Compressor Type	Reciprocating	
Displacement	50.6 cc.	
Oil Type	Mineral Oil	
Oil Charge	964 cc.	
Motor Type	P.S.C. ;2 Pole 2850 / - r/m	
Voltage Range	198-264/- Volts 50/- Hz.	
Winding Resistance at 25 ° C		
Start	2.31 Ohms	
Run	0.82 Ohms	
Weight with Oil	29.08 Kg.	
Weight with Oil and Accessories	29.58 Kg.	
Electrical Components		
Motor Protector		
Type	Internal Overload	
Model Number	4042KGE656-2	
Open / Close	115-125 / 78-60 ° C	
1st Cycle trip at 25 ° C	73.00 Amps(main) 39.00 Amps(start)	
Motor Starter		
Type	Potential Relay	
Model Number	-	
Pick Up (max.)	- Volts	
Drop Out (min.)	- Volts	
Terminal Cover	4040KGM901-3	
Start Capacitor	- µF - VAC.	
Disch Resistor for Start Cap	-	
Run Capacitor	50 µF 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 13-10-2017 C / N No. 0394/17

Certificate Marks

TIS.812-2548 Q-MARK RoHS

COMPRESSOR PERFORMANCE TABLE