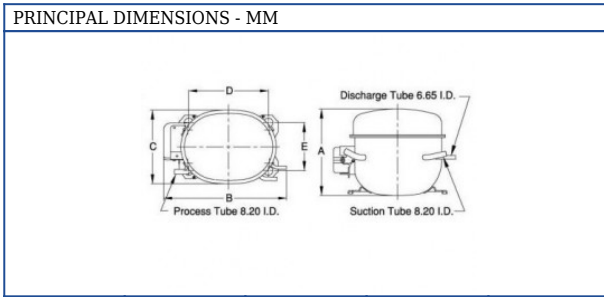


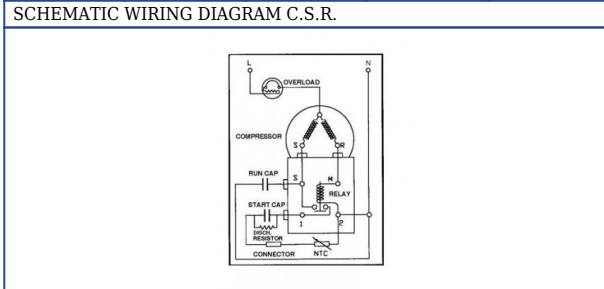


**KULTHORN KIRBY
PUBLIC COMPANY LIMITED**

**HERMETIC
COMPRESSOR
MODEL : AE 2420ZK-SR
BOM ID : 17B-A0
High Torque Start**



A: 204 B: 265 C: 155 D: 165 E: 102



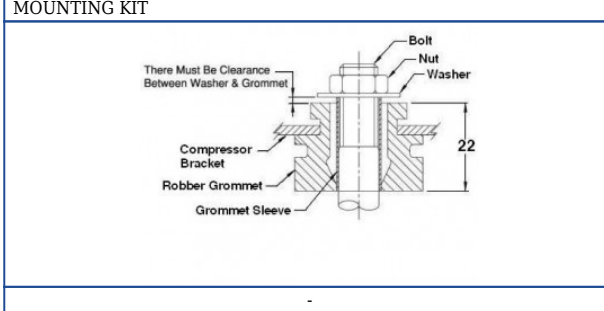
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SCHMATIC WIRING DIAGRAM -

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MOUNTING KIT



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

Nominal Performance

Capacity	480 / 498 Watts
	1,638 / 1,699 BTU/Hr
	413 / 428 Kcal/Hr
Power Input	356 / 370 Watts
Locked Rotor Amps	10.70 / 10.70 Amps
Max Continuous Current	- / - Amps
Rated Load Amps	1.75 / 1.78 Amps
COP	1.35 / 1.35 Watts / Watts
EER	4.60 / 4.59 BTU/W-Hr

Testing Conditions

Condensing Temperature	54.40 °C	129.92 °F
Evaporating Temperature	-23.30 / - °C	-9.94 / - °F
Liquid Temperature	32.20 °C	89.96 °F
Return Gas Temperature	32.20 °C	89.96 °F
Ambient Temperature	32.20 °C	89.96 °F

Application

Evaporating Temp. Range	LBP	@ -40.00 °C to -12.20 °C (-40.00 F to 10.04 °F)
	Heat Pump	- °C to - °C (- °F to - °F)

Refrigerant	R404A/R507
Refrigerant Flow Control	Capillary Tube
Compressor Cooling	Fan

Compressor and Motor data

Compressor Type	Reciprocating
Displacement	12.05 cc.
Oil Type	Polyolester Oil
Oil Charge	357 cc.
Motor Type	C.S.R. ;2 Pole 2850 / 2850 r/m
Voltage Range	187-264/- Volts 50/- Hz.
Winding Resistance at 25 ° C	
Start	17.70 Ohms
Run	6.10 Ohms
Weight with Oil	10.41 Kg.
Weight with Oil and Accessories	11.06 Kg.

Electrical Components

Motor Protector	
Type	External 3/4"
Model Number	KME660-21/C
Open / Close	100-110 / 78-60 ° C
1st Cycle trip at 25 ° C	8.00 Amps(main) - Amps(start)
Motor Starter	
Type	Current Relay
Model Number	KME682-1NT
Pick Up (max.)	6.70 Amps
Drop Out (min.)	5.90 Amps
Terminal Cover	4040KMD901-12
Start Capacitor	36-43 µF 330 VAC.
Disch Resistor for Start Cap	15000 Ohms 2 W
Run Capacitor	8 µF 450 VAC.

Mounting Kit

Rubber Grommet	4007KMD905-3
Sleeve Grommet	3KMD903-2-Z
Washer	4023KEB387

Since we are constantly improving our product , the specification are subject to change without notice.

REV. DATE 18-11-2017 C / N No. 0449/17

Certificate Marks



COMPRESSOR PERFORMANCE TABLE