



**KULTHORN KIRBY  
PUBLIC COMPANY LIMITED**

**HERMETIC  
COMPRESSOR  
MODEL : AE 7435EK  
BOM ID : 23P-A1  
High Torque Start**

PRINCIPAL DIMENSIONS - MM					Electrical : 220-240 V/ 50 Hz., - V/ - Hz. 1 Phase -/- HP	
					<b>Nominal Performance</b>	
A: 217    B: 242    C: 155    D: 165    E: 102					Capacity	
SCHEMATIC WIRING DIAGRAM C.S.R.					870 / - Watts	
					2,968 / - BTU/Hr	
					748 / - Kcal/Hr	
SCHEMATIC WIRING DIAGRAM -					Power Input	
MOUNTING KIT					550 / - Watts	
					Locked Rotor Amps	
					12.75 / - Amps	
-					Max Continuous Current	
-					- / - Amps	
-					Rated Load Amps	
-					2.50 / - Amps	
-					COP	
-					1.58 / - Watts / Watts	
-					EER	
-					5.40 / - BTU/W-Hr	
-					<b>Testing Conditions</b>	
-					Condensing Temperature	
-					54.40 °C    129.92 °F	
-					Evaporating Temperature	
-					-6.70 / - °C    19.94 / - °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	
-					<b>Application</b>	
-					Evaporating Temp. Range	
-					MBP    @ -23.30 °C to -1.10 °C	
-					Heat Pump	
-					- to -	
-					Refrigerant	
-					R22	
-					Refrigerant Flow Control	
-					Capillary Tube	
-					Compressor Cooling	
-					Fan	
-					<b>Compressor and Motor data</b>	
-					Compressor Type	
-					Reciprocating	
-					Displacement	
-					12.04 cc.	
-					Oil Type	
-					Mineral Oil	
-					Oil Charge	
-					457 cc.	
-					Motor Type	
-					C.S.R. ;2 Pole 2850 / - r/m	
-					Voltage Range	
-					187-264/- Volts 50/- Hz.	
-					Winding Resistance at 25 ° C	
-					Start	
-					11.34 Ohms	
-					Run	
-					5.68 Ohms	
-					Weight with Oil	
-					11.56 Kg.	
-					Weight with Oil and Accessories	
-					12.21 Kg.	
-					<b>Electrical Components</b>	
-					Motor Protector	
-					Type	
-					External 3/4"	
-					Model Number	
-					KME660-24/C	
-					Open / Close	
-					115-125 / 78-60 ° C	
-					1st Cycle trip at 25 ° C	
-					11.40 Amps(main) - Amps(start)	
-					<b>Motor Starter</b>	
-					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.	
-					<b>Mounting Kit</b>	
-					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	
<b>Certificate Marks</b>						

COMPRESSOR PERFORMANCE TABLE