



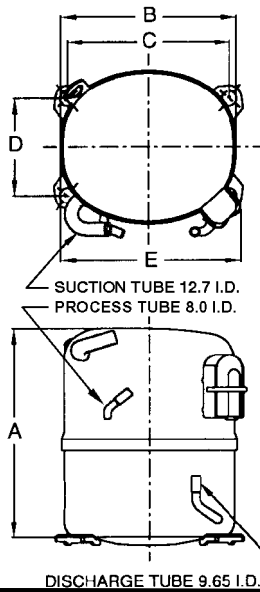
# KULTHORN KIRBY PUBLIC CO.,LTD.

## TECHNICAL SPECIFICATION

# HERMETIC COMPRESSOR

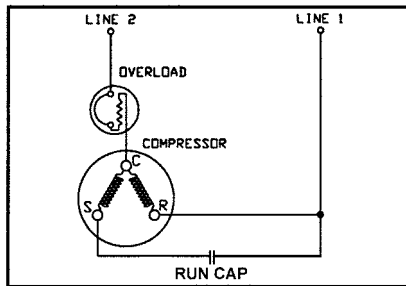
## WJ5515EK-2P

### PRINCIPAL DIMENSIONS - mm



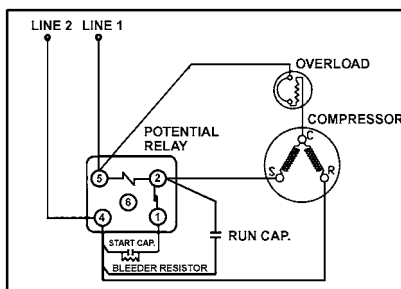
A	264
B	223
C	203
D	122
E	239

### SCHEMATIC WIRING DIAGRAM - P.S.C.



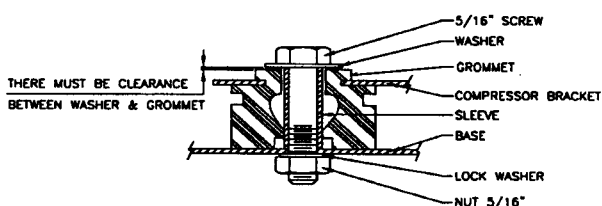
Low Torque Start

### SCHEMATIC WIRING DIAGRAM - C.S.R.



Option for High Torque Start Only

### MOUNTING KIT



**ELECTRICAL :** 208-230 Volt. 60 Hz. 1 Phase

### Nominal Performance

Cooling Capacity :	4,220	Watts ( 14,399 )	BTU/Hr
	3,629	Kcal/Hr	
Power Input :	1,717	Watts	
Lock Rotor Amps :	38.10	Amps	
Rated Load Amps :	8.10	Amps	
COP :	2.46	Watts/ Watts	

### Testing Conditions

Condensing Temperature :	54.4	°C
Evaporating Temperature :	+7.2	°C
Liquid Temperature :	46.1	°C
Return Gas Temperature :	35	°C
Ambient Temperature :	35	°C

### Application

Evaporating Range :	<b>HBP A/C</b>	: 0 °C t +13 °C
		Heat Pump : -23.3 °C t +13 °C

Refrigerant :	R22
Expansion :	Capillary Tube
Compressor Cooling :	Fan

### Compressor and Motor data

Compression Type :	Reciprocating
Displacement :	24.2 cc.
Bore :	39.37 mm.
Stroke :	19.88 mm.
Oil Type :	Mineral Oil
Oil Charge :	750 cc.
Motor Type :	<b>P.S.C.</b> ; 2 Pole 3500 r / m
Voltage Range :	198-264 Volts 60 Hz.
Winding Resistance at 25 °C	

Start :	3.57 Ohms
Run :	1.53 Ohms

Weight with Oil :	21.37	Kg.
Weight with Oil and Accessories :	22.11	Kg.

### Electrical Components

#### Motor Protector :

Type :	External Overload 3/4"
Model Number :	KME 664-17/C (MRA38157)
Open / Close :	140-150 / 70-52 °C
1st Cycle trip :	28.50 Amps

#### Motor Starter (CSR Only) :

Type :	Potential Relay
Model Number :	KGE 680-7 (GE3ARR3-U3P2)
Pick Up :	162-175 Volts
Drop Out :	40-90 Volts
Terminal Cover :	KGM 901-1

#### Start Capacitor (CSR Only) :

88-106	μ F	330	VAC.
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#### Run Capacitor :

25	μ F	440	VAC.
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### Mounting Kit

Rubber Grommet :	KGM 905-1
Sleeve Grommet :	KGM 903-1

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

REV. DATE

11-12-03

C / N No.

0276/03