



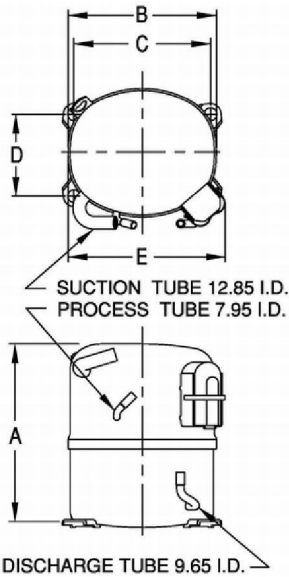
KULTHORN KIRBY PUBLIC CO.,LTD.

TECHNICAL SPECIFICATION

**HERMETIC
COMPRESSOR
WJ 9513Z
BOM ID 73E-A1**

UNCONTROLLED COPY

PRINCIPAL DIMENSIONS - mm



A	264
B	223
C	203
D	122
E	239

ELECTRICAL : 220-240 Volt. 50 Hz. 1 Phase

Nominal Performance

Cooling Capacity :	3,157 / 5,334 Watts (10,770 / 18,200) BTU/Hr
	2,714 / 4,587 Kcal/Hr
Power Input :	1,955 / 2,465 Watts
Lock Rotor Amps :	53 / 53 Amps
Rated Load Amps :	9.7 / 12 Amps
COP (EER) :	1.61 / 2.16 W/W (5.51/ 7.38) BTU/W-Hr

Testing Conditions

Condensing Temperature :	54.4 °C
Evaporating Temperature :	-6.7 °C
Liquid Temperature :	46.1 °C
Return Gas Temperature :	35 °C
Ambient Temperature :	35 °C

Application

Evaporating Range :	MBP/HBP @ -23 °C to +12.7 °C
Refrigerant :	R404A
Expansion :	Capillary Tube/Expansion valve
Compressor Cooling :	Fan

Compressor and Motor data

Compressor Type :	Reciprocating
Displacement :	34.5 cc.
Oil Type :	Polyolester Oil
Oil Charge :	850 cc.
Motor Type :	C.S.R. ; 2 Pole 2880 / 2880 rpm
Voltage Range :	198-264 Volts 50 Hz.

Winding Resistance at 25 °C

Start :	4.40 Ohms
Run :	1.30 Ohms

Weight with Oil :	22.48 Kg.
Weight with Oil and Accessories :	23.23 Kg.

Electrical Components

Motor Protector :

Type :	Internal Overload
Model Number :	KGE 656-10
Open / Close :	130-140 60-78 °C
1st Cycle trip :	31 Amps (start) 52 Amps (main)

Motor Starter (CSR Only) :

Type :	Potential Relay
Model Number :	KGE 680 (GE3ARR3UX3AT2)
Pick Up :	186-215 Volts.
Drop Out :	40-90 Volts.
Terminal Cover :	KGM 901-2

Start Capacitor (CSR Only) :

Disch. Resistor for Start Cap :	15000 Ohms 2 W
---------------------------------	----------------

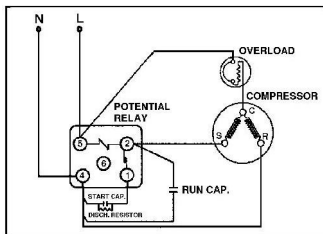
Run Capacitor :

	30 μF 425 VAC.
--	----------------

Mounting Kit

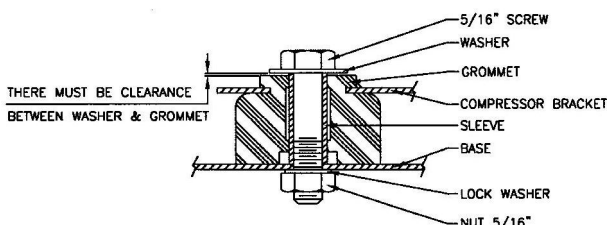
Rubber Grommet :	KGM 905
Sleeve Grommet :	KGM 903

SCHEMATIC WIRING DIAGRAM



SCHEMATIC WIRING DIAGRAM C.S.R.

MOUNTING KIT



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

REV. DATE

25-06-12

C / N No.

0319/12