

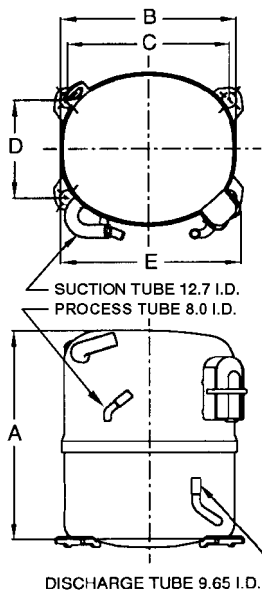


KULTHORN KIRBY PUBLIC CO.,LTD.

TECHNICAL SPECIFICATION

HERMETIC COMPRESSOR WJ5518EK-2P

PRINCIPAL DIMENSIONS - mm



A	264
B	223
C	203
D	122
E	239

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

Nominal Performance

Cooling Capacity :	5,480	Watts (18,698)	BTU/Hr
	4,712	Kcal/Hr	
Power Input :	2,230	Watts	
Lock Rotor Amps :	53.00	Amps	
Rated Load Amps :	10.00	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 :	HBP	A/C	:	0 ° C to +13 ° C
				Heat Pump : -23.3 ° C to +13 ° C
Refrigerant :		R22		
Expansion :		Capillary Tube		
Compressor Cooling :		Fan		

Compressor and Motor data

Compression Type :	Reciprocating
Displacement :	30.5 cc.
Oil Type :	Mineral Oil
Oil Charge :	750 cc.
Motor Type :	P.S.C. ; 2 Pole 3500 r / m
Voltage Range :	198-264 Volts 60 Hz.
Winding Resistance at 25 ° C	
Start :	2.65 Ohms
Run :	1.22 Ohms
Weight with Oil :	23.24 Kg.
Weight with Oil and Accessories :	23.80 Kg.

Electrical Components

Motor Protector :

Type :	Internal Overload
Model Number :	KGE 656-4 (15HM1472-43)
Open / Close :	115-125 / 78-60 ° C
1st Cycle trip :	29 Amps (start) 47 Amps (main)

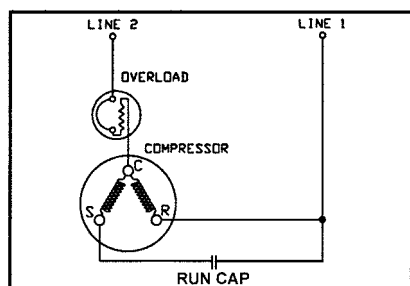
Motor Starter (CSR Only) :

Type :	Potential Relay
Model Number :	KGE 680-7 (GE3ARR3-U3P2)
Pick Up :	162-175 Volts.
Drop Out :	40-90 Volts.
Terminal Cover :	KGM 901-2
Start Capacitor (CSR Only) :	130-156 µ F 330 VAC.
Run Capacitor :	30 µ F 440 VAC.

Mounting Kit

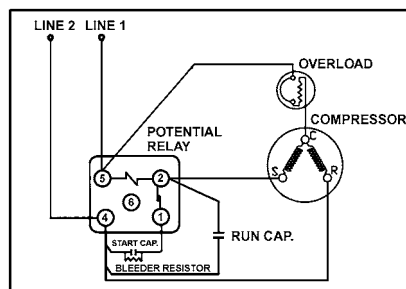
Rubber Grommet :	KGM 905-1
Sleeve Grommet :	KGM 903-1

SCHEMATIC WIRING DIAGRAM - P.S.C.



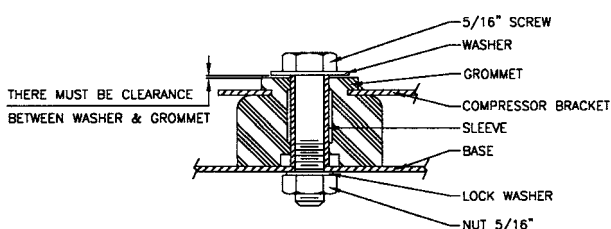
Low Torque Start

SCHEMATIC WIRING DIAGRAM - C.S.R.



Option for High Torque Start Only

MOUNTING KIT



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

REV. DATE

11-12-03

C / N No.

0272/03



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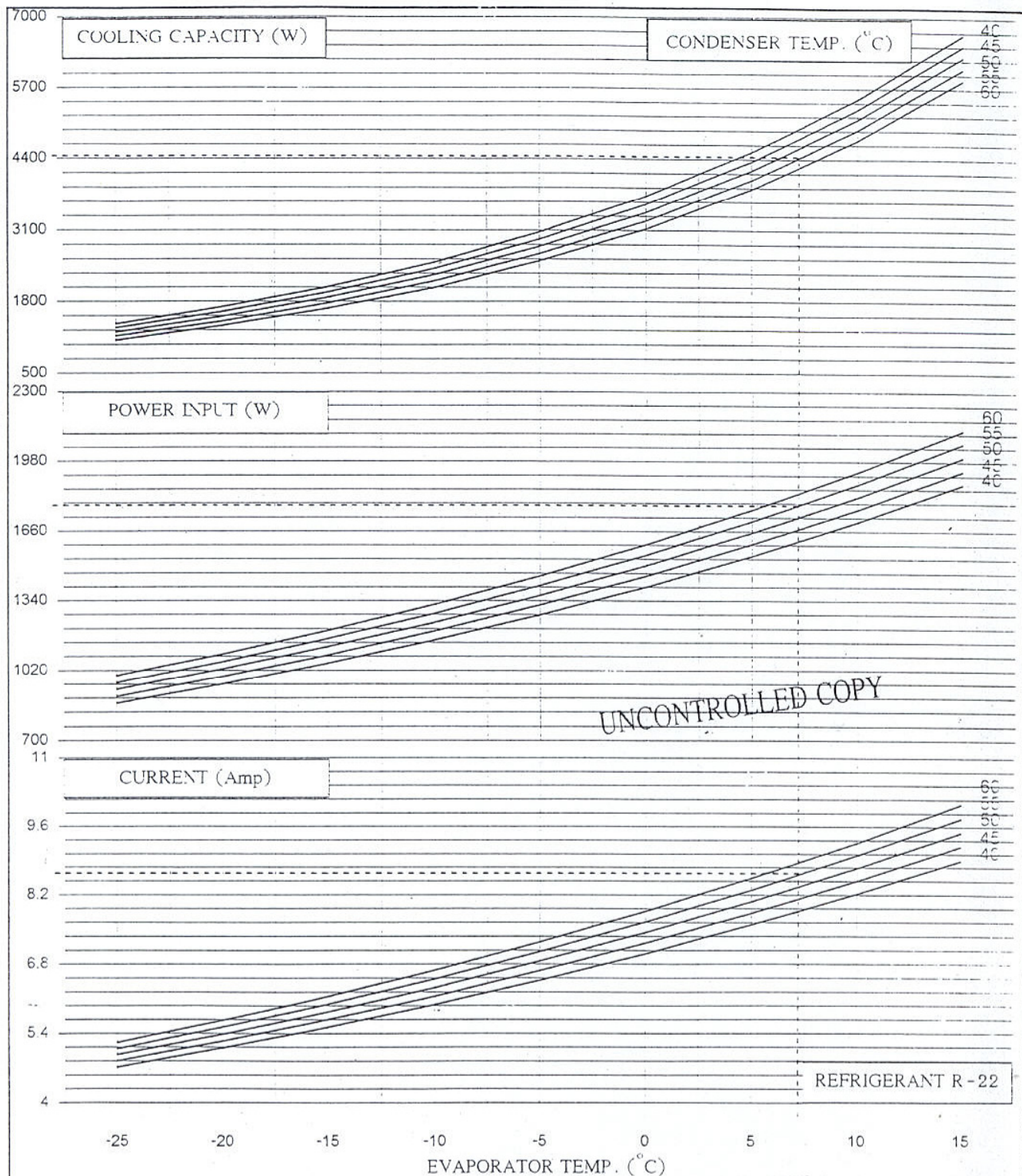
THAILAND - *Tecumseh* LICENSEE

HERMETIC
COMPRESSOR

WJ 5518EK

PERFORMANCE CURVES

Electrical : 220-240 Volt 50 Hz 1 Phase Motor Type P.S.C./C.S.R



Cooling Capacity 4425 W
Power Input 1780 W
Current 8.60 Amp

At rating
Condition

PERFORMANCE CURVES
FOR MOTOR COMPRESSOR

Prepared by: *[Signature]* Date: 15/02/03

Approved by: *[Signature]* Date: 15/02/03

(Motor Design Supervisor)

F-QSC-214

17/03/03

E



KULTHORN KIRBY PUBLIC CO., LTD.

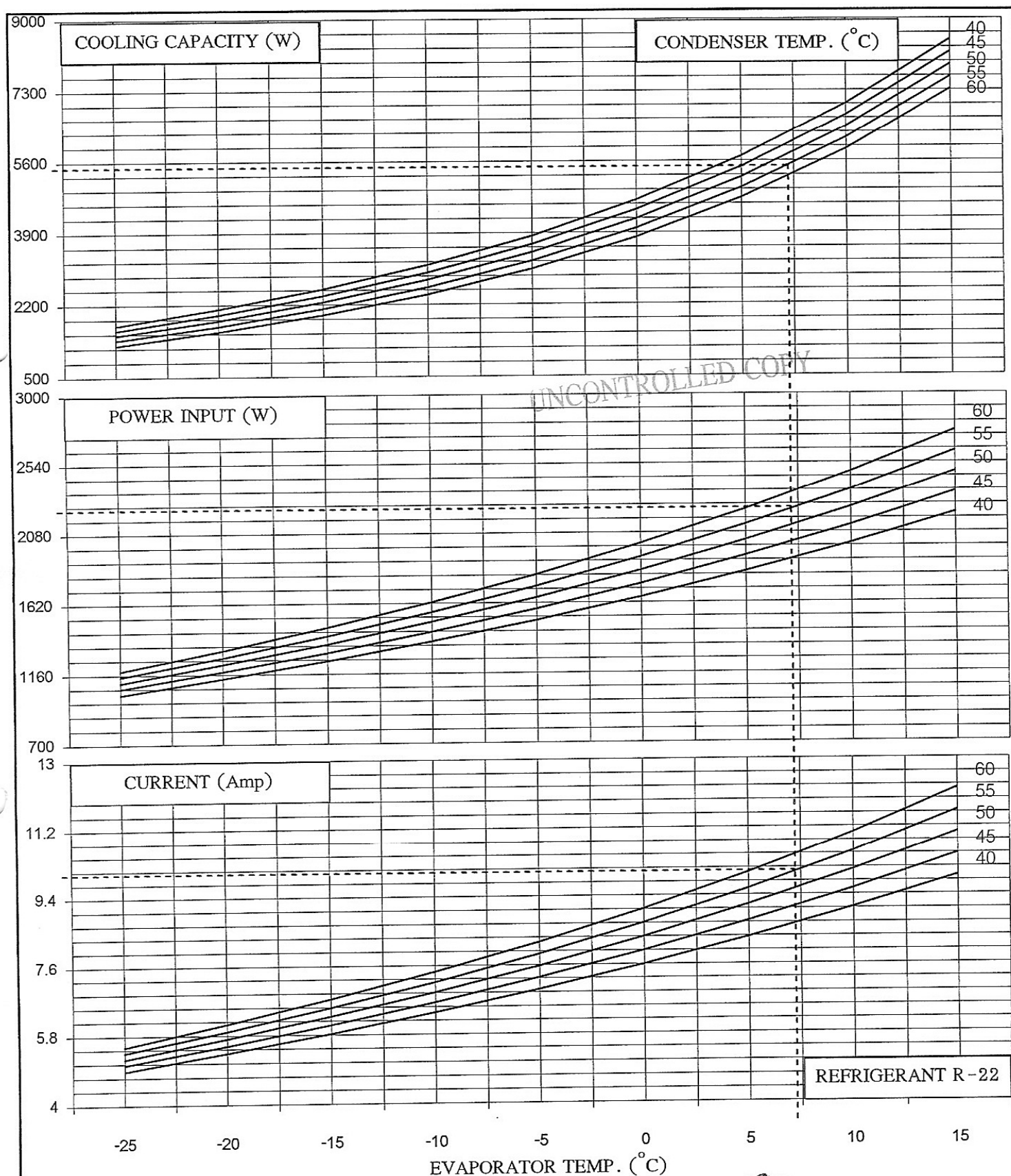
THAILAND - *Tecumseh* LICENSEE

HERMETIC
COMPRESSOR

WJ 5518EK-2

PERFORMANCE CURVES

Electrical : 208-230 Volt 60 Hz 1 Phase Motor Type P.S.C



Cooling Capacity 5480 W
Power Input 2230 W
Current 10.0 Amp

At rating
Condition

PERFORMANCE CURVES
FOR MOTOR COMPRESSOR

Prepared by : *[Signature]* Date: 16/06/04
Approved by: *[Signature]* Date: 16/06/04
(Motor Design Supervisor)