

## OPERATION:

Application:	L.B.P.	Max. Ambient temperature:	43	°C
Refrigerant:	R134a	(1) Max. steady discharge temperature:	120	°C
Operation:	Capillary	(1.2) Max. peak discharge temperature:	135	°C
Cooling:	Static	Max. Steady condensing temperature:	60	°C
		( 2 ) Max. peak condensing temperature:	70	°C
		Max. winding temperature:	130	°C
		Max. Impurities:	80	mg
		Max. Compressor water content:	100	mg

## COMPRESSOR:

Displacement:	9.1	cm <sup>3</sup>	Oil type:	Ester
Bore:	22	mm	(4) Viscosity	19 cST
Stroke:	23.95	mm	Suction muffler	Semi-direct

(3) Net weight	7.82	Kg
Case size	170 X 140 X 180	mm
Oil charge	180	cm <sup>3</sup>

## ELECTRICAL:

Power Supply:	220-240V	Motor type:	RSIR/CSIR
Voltage limits:	187-264V	Locked rotor current:	6.78 A
Frequency:	50Hz	Main winding resistance at 25°C :	11.00 ±5%Ω
Phase:	1 PH	Start winding resistance at 25°C :	11.60 ±5%Ω

\*\* Maximum current /Measured current after 4 seconds

(1) Measured 5 cm from the shell with insulated thermocouples

(2) For transient conditions during "pull down"

(3) Net weight is with oil but without electrics

(4) Measured at 40 °C



Handwritten signature and date: 2.11.2024

### ELECTRICAL COMPONENTS:

Starter relay:	9660 B 118
Attract current (A):	3.80 A
Release current (A):	3.25 A
Starting capacitor:	47-56 $\mu$ F
PTC	QP2-15 $\Omega$

### PROTECTORS:

Type	DRB28P61A1
Open $^{\circ}$ C	120-130
Close $^{\circ}$ C	52-70
U . T . C	1.7-2.0
Time check Current (7-14s)	5.8 A

### PERFORMANCE DATA:

TEST CONDITIONS	ASHRAE	CECOMAF
Condensing temperature	54.4 $^{\circ}$ C	55 $^{\circ}$ C
Liquid temperature	32 $^{\circ}$ C	55 $^{\circ}$ C
Gas return temperature	32 $^{\circ}$ C	32 $^{\circ}$ C
Ambient temperature	32 $^{\circ}$ C	32 $^{\circ}$ C

#### At ASHRAE conditions:

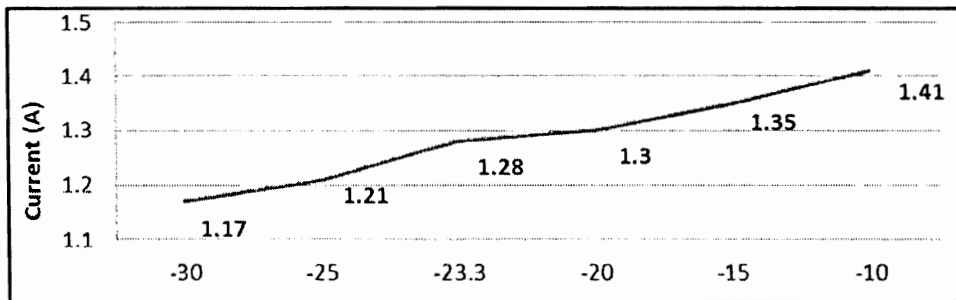
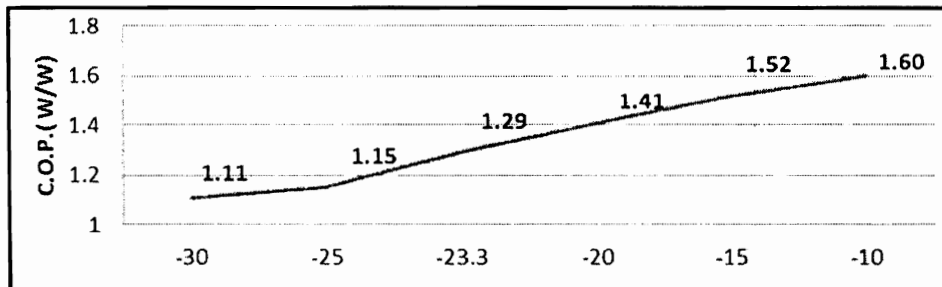
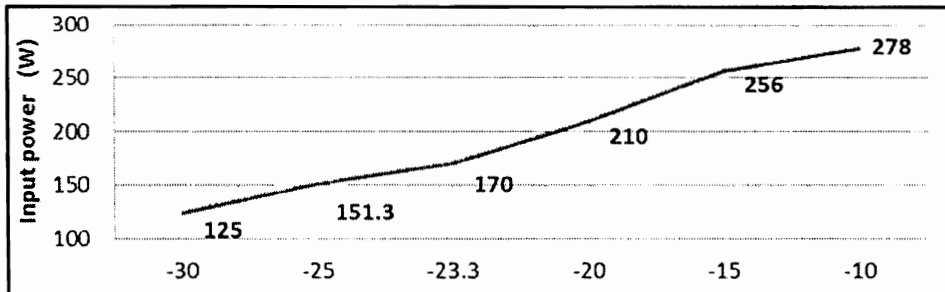
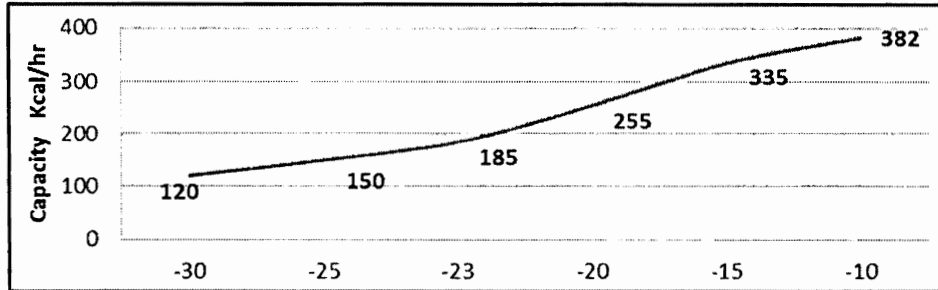
Evaporating temperature ( $^{\circ}$ C)	-30	-25	-23.3	-20	-15	-10
Capacity      Kcal/hr	120	150	185	255	335	382
C.O.P          W/W	1.11	1.15	1.29	1.41	1.52	1.60
Input          W	125	151.3	170	210	256	278
Current        A	1.17	1.21	1.28	1.3	1.35	1.41



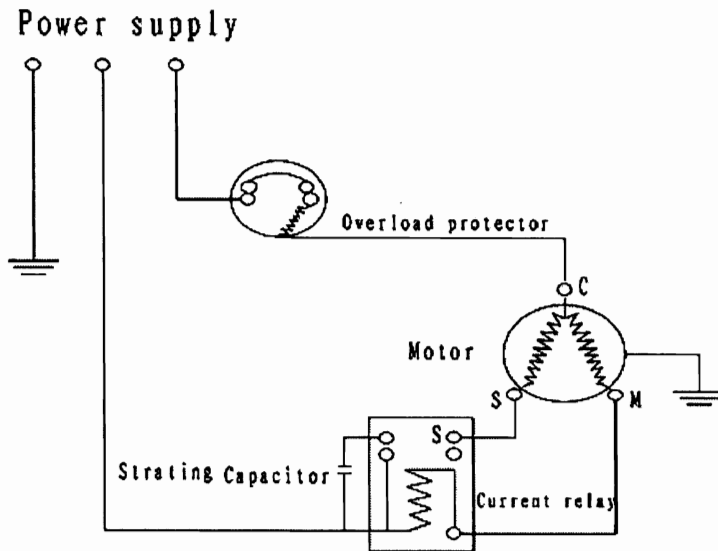
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### PERFORMANCE CHARTS :

(Charts at ASRAE conditions) 220V / 50Hz



Wiring Diagram:



## CSIR (CURRENT)

