

OPERATION:

Application:	LB.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:	7.7	cm ³	Oil type:	Ester
Bore:	22	mm	(4) Viscosity	19 cST
Stroke:	20.26	mm	Suction muffler	Semi-direct

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

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



ELECTRICAL COMPONENTS:

Starter relay:	9660 B 118
Attract current (A):	3.80 A
Release current (A):	3.25 A
Starting capacitor:	47-56 μ F
PTC	QP2-15 Ω

PROTECTORS:

Type	DRB25P61A1
Open $^{\circ}$ C	120-130
Close $^{\circ}$ C	52-70
U . T . C	1.7-2.0
Time check Current (7-14s)	5.6A

PERFORMANCE DATA:

TEST CONDITIONS

Condensing temperature
Liquid temperature
Gas return temperature
Ambient temperature

ASHRAE

55 $^{\circ}$ C
32 $^{\circ}$ C
32 $^{\circ}$ C
32 $^{\circ}$ C

CECOMAF

55 $^{\circ}$ C
55 $^{\circ}$ C
32 $^{\circ}$ C
32 $^{\circ}$ C

At ASHRAE conditions:

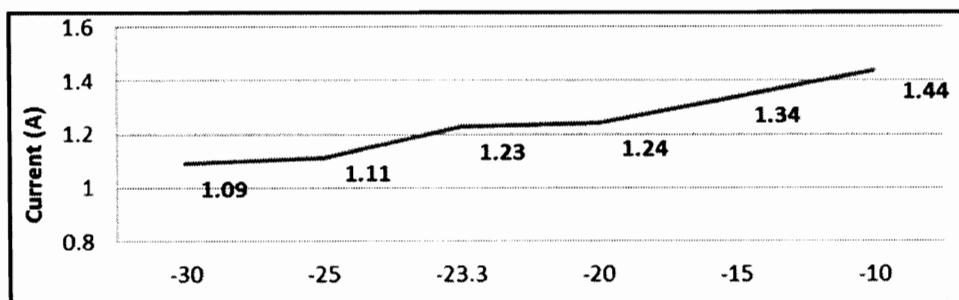
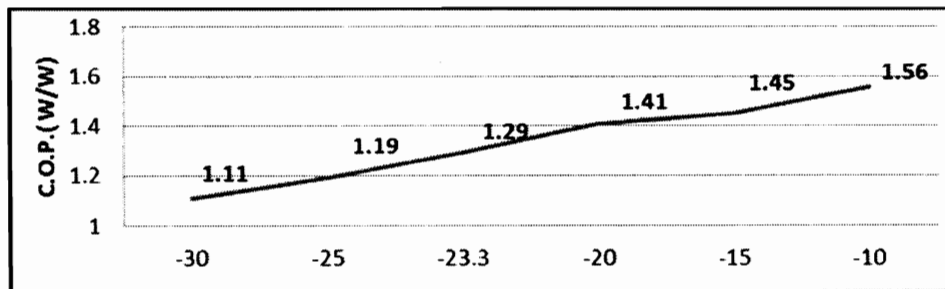
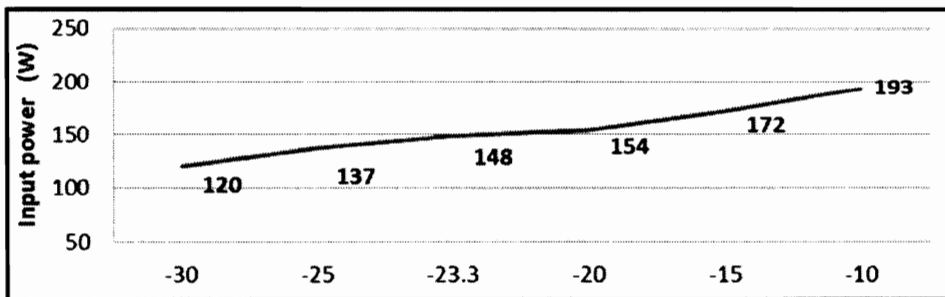
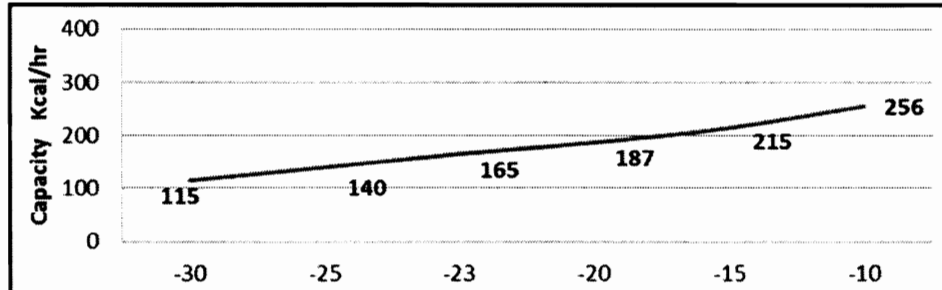
Evaporating temperature ($^{\circ}$ C)		-30	-25	-23.3	-20	-15	-10
Capacity	Kcal/hr	115	140	165	187	215	256
C.O.P	W/W	1.11	1.19	1.29	1.41	1.45	1.56
Input	W	120	137	148	154	172	193
Current	A	1.09	1.11	1.23	1.24	1.34	1.44

9 نوفمبر 2020



PERFORMANCE CHARTS :

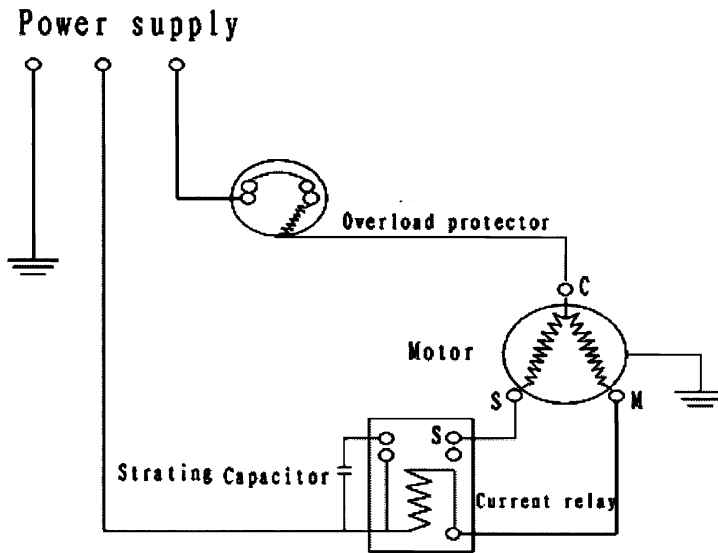
(Charts at ASRAE conditions) 220V / 50Hz



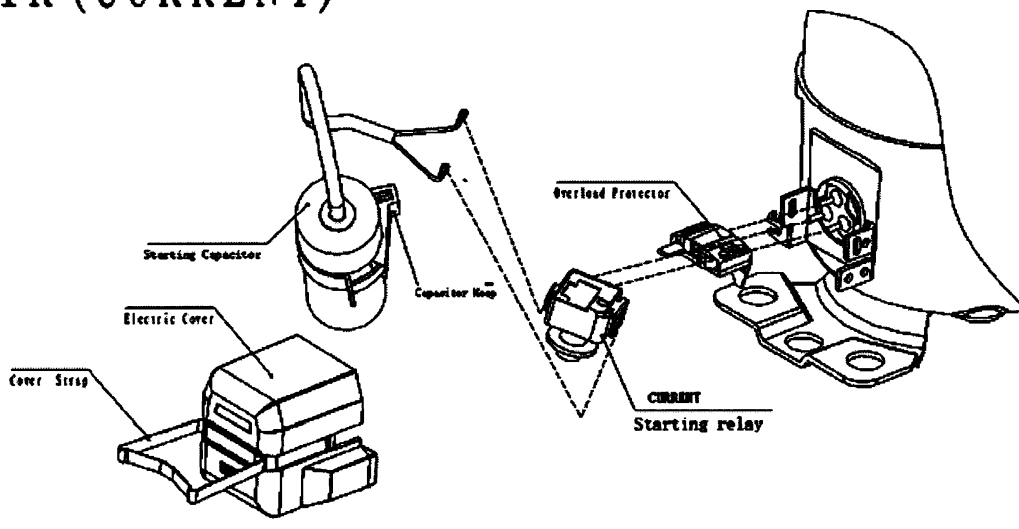
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Wiring Diagram:



CSIR (CURRENT)



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