

OPERATION:

Application: L.B.P.
Refrigerant: R600a

Max. Ambient Temp: 43°C

Operation: Capillary
Cooling: Static

(1) Max. Steady Discharge Temp: 120°C
(1,2) Max. Peak Discharge Temp: 135°C
Max. Steady Condensing Temp: 60°C
(2) Max. Peak Condensing Temp: 70°C
Max. Winding Temp: 130°C

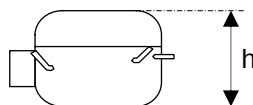
Max. Impurities: 30 mg
Max.Total Compressor Water Content: 100 mg

COMPRESSOR:

Displacement: 9.6 cc
Bore: 25.40 mm
Stroke: 19.00 mm

Oil Type: Mineral
(4) Viscosity: 10 cSt
Suction Muffler: Semi-direct

(3) Net Wt: 7.9 kg
Case Size: h = 157,5 mm
Oil Charge: 170 cc



ELECTRICAL:

Power Supply: 220 - 240V
Voltage Limits: 187 - 264V
Frequency: 50 Hz
Phase: 1 ph

Motor Type: RSIR
Locked Rotor Current: 10.1 / 4.7 A**

Main Winding Resistance at 25°C: 21.1 Ω
Start Winding Resistance at 25°C: 26.9 Ω

** Maximum current / Measured after 4 seconds

- (1) Measured 5cm. 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

For rated performance,
the suction line must be connected to the stub
marked 'AS' on the attached drawing.



ELECTRICAL COMPONENTS:

Starting Device: K 100-xx
(1) Starting Device: PTC- 7100D5 / 8100
PTC Resistance: 14 Ω

-xx Protector short code

PROTECTORS:

PROTECTORS	BDG ¾	Tongbao	SENSATA 4TM
Type	AE 18 FU x	BT64 120xx	4TM 222 NFBYY xx
Open °C	115 - 125 °C	115 - 125 °C	115 - 125 °C
Close °C	71 - 53 °C	71 - 53 °C	70 - 52 °C
U.T.C	1.70 A 70 °C	1.7 A 70 °C	1.62 A 70 °C
Time Check Current	6.35 A	6.35 A	6.7 A (5-15s)
Max. Current	14.0 A	12.0 A	15.0 A (2s max.)
Code (if any)	F5	L2	6C
Alt. protectors:	AF 18 FU x D5		

PTC-71.. / 81.. are for Terminal Cover version only.

(1) BDG protector AF type is for use with PTC-71.. only, and PTC-71.. is only fitted with BDG protector.



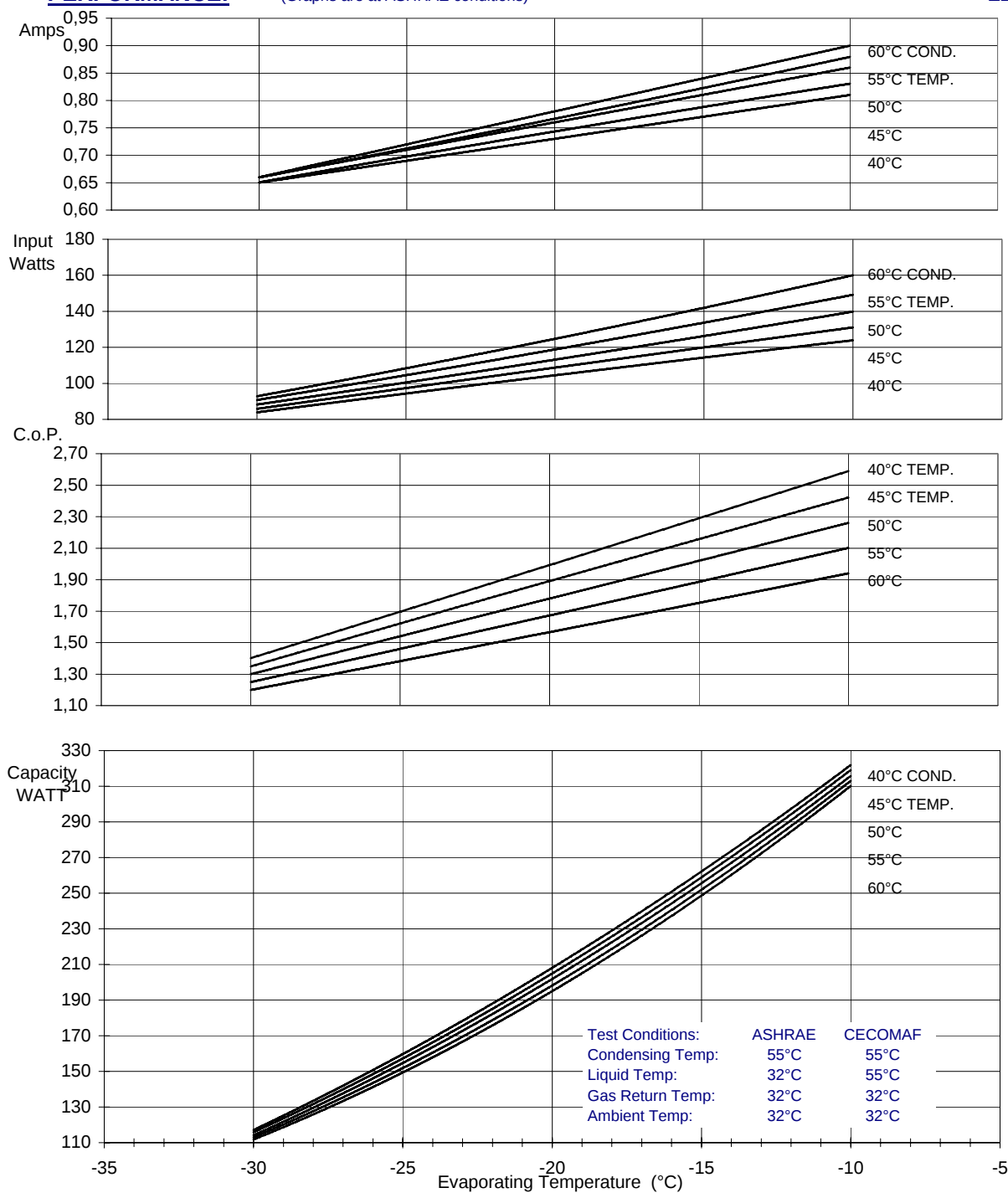
HMK95AA

PRODUCT SPECIFICATION

PERFORMANCE:

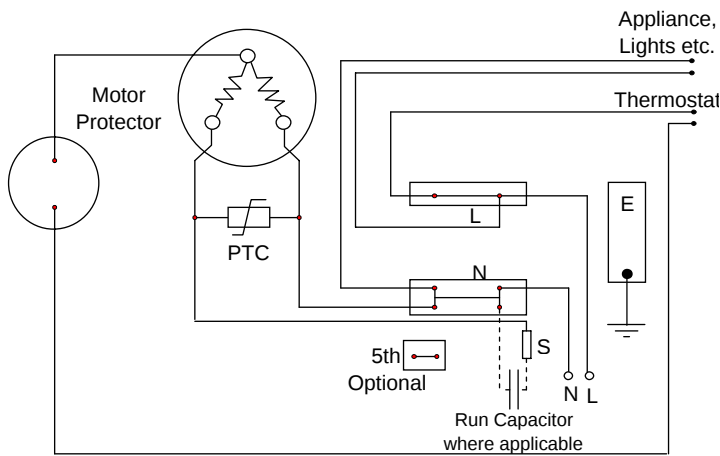
(Graphs are at ASHRAE conditions)

220V 50Hz

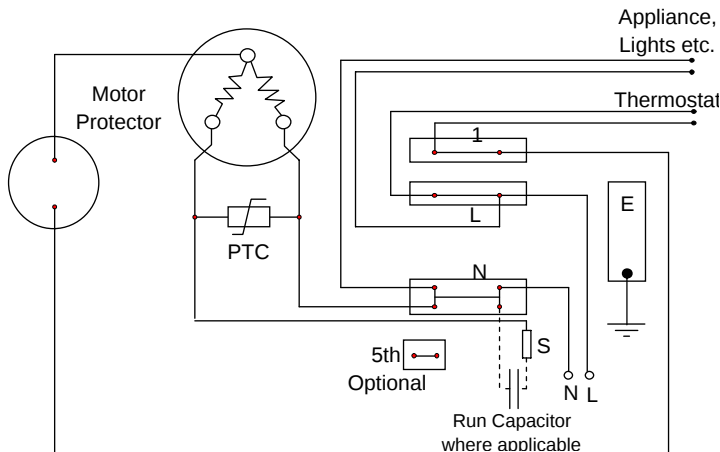


Evaporating Temperature °C		-30	-25	-23,3	-20	-15	-10
ASHRAE:	Capacity W	113	152	167	198	252	313
	C.o.P. W / W	1,25	1,46	1,53	1,67	1,89	2,10
CECOMAF:	Capacity W	93	125		163	207	257
	C.o.P. W / W	1,03	1,20		1,37	1,55	1,72
	Input Power W	91	104	109	119	134	149
	Current A	0,66	0,71	0,73	0,77	0,82	0,88

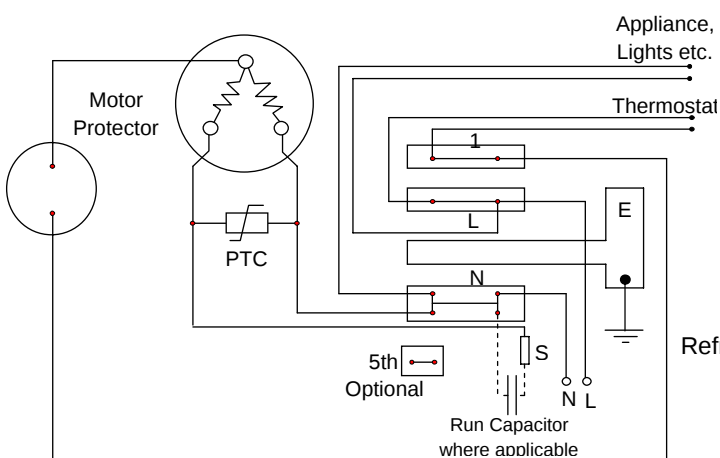
Circuit Diagram for Terminal Board Standard Version



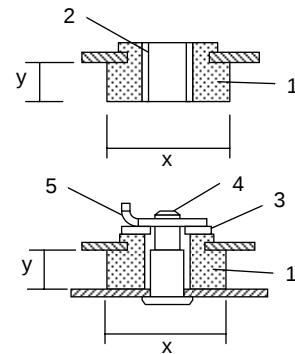
Circuit Diagram for Terminal Board Frontal Version



Circuit Diagram for Terminal Board Rast 5 Version



Mounting Accessories



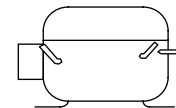
x = 26mm or 28.5mm

y = 9mm or 10.3mm

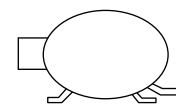
Other sizes available

1. Rubber grommet
2. Sleeve
3. Washer
4. Steel pin
5. Clip

Recommended Transport Positions when fitted into appliances



Upright



Tubes Down

Compressor Label

