

Type: Condensing units with air cooled condenser and hermetic piston compressor

Producer: Cubigel Compressors

Series: HMBP

Model: CGP14TB_N

General data

Refrigerant:	R134a
Compressor's cooling:	Fan cooled
Maximum ambient temperature [°C]:	43
Maximum permitted pressure [kg / cm ²]:	20

Condenser technical data

Condenser type:	CU-AL
Condenser model:	9T 3R
Fan engine's capacity [W]:	10
Fan diameter [mm]:	230

Compressor technical data

Compressor:	GP14TB
Displacement [m ³ /h]:	14,17
Cylinder diameter / stroke [mm]:	31,19/18,54
Engine type:	CSIR
Power supply [V / Hz]:	220-240/50
Voltage range [V]:	187-264
Locked rotor current [A]:	18
Main winding resistance (25°C) [Ω]:	4,79
Starting winding resistance (25°C) [Ω]:	23,96

Versions

	<u>CGP14TB1N</u>	<u>CGP14TB2N</u>	<u>CGP14TB3N</u>	<u>CGP14TB4N</u>	<u>CGP14TB5N</u>
Receiver volume [l]:	-	-	1	-	1
Suction line diameter ["]:	5/16	3/8F	3/8F	5/16	3/8F
Discharge line diameter ["]:	5/16	1/4F	1/4F	5/16	1/4F

R134a

Performance

t_e	t_a	Q	P	I
-25	38	292	347	2
-20	39	386	383	2
-15	41	498	424	3
-10	43	629	470	3
-5	45	778	521	3
0	48	945	578	4
5	51	1 130	639	4
7	52	1 209	665	4

Test conditions: f=50 Hz; 35°C Ambient temperature and suction gas return

t_e - Evaporating temperature [°C]

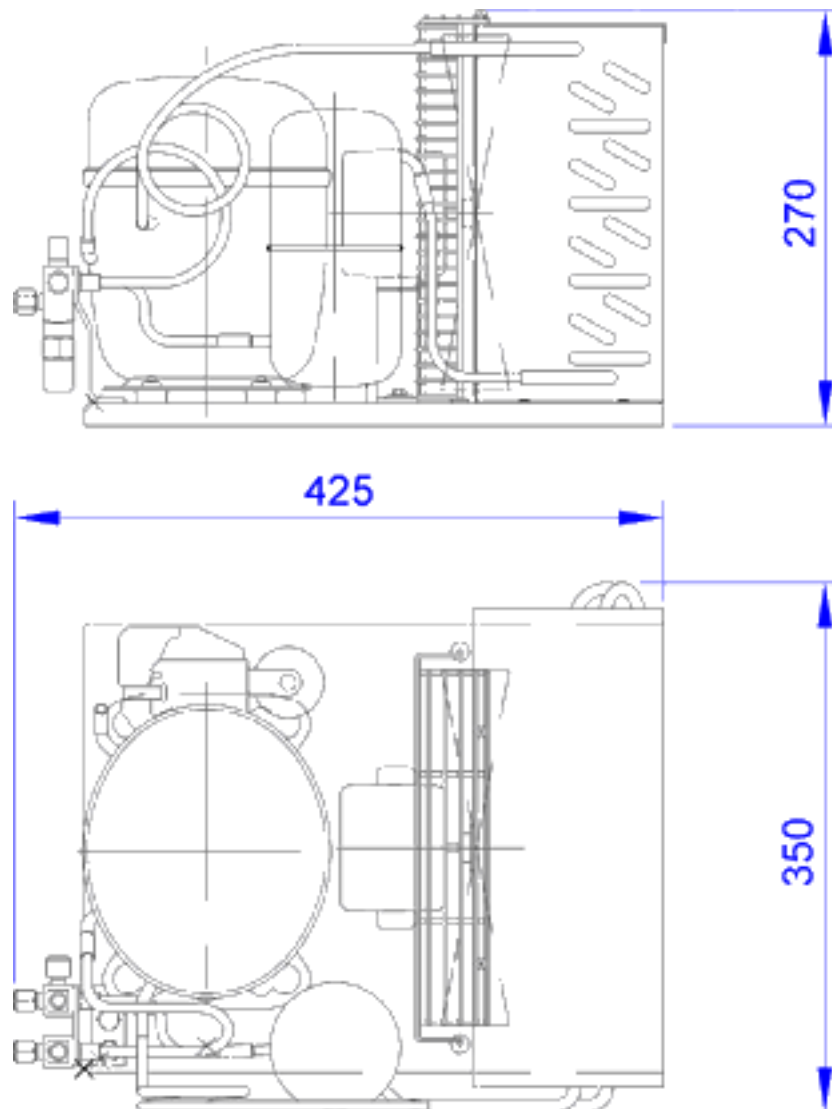
t_c - Condensing temperature [°C]

Q - Cooling capacity [W]

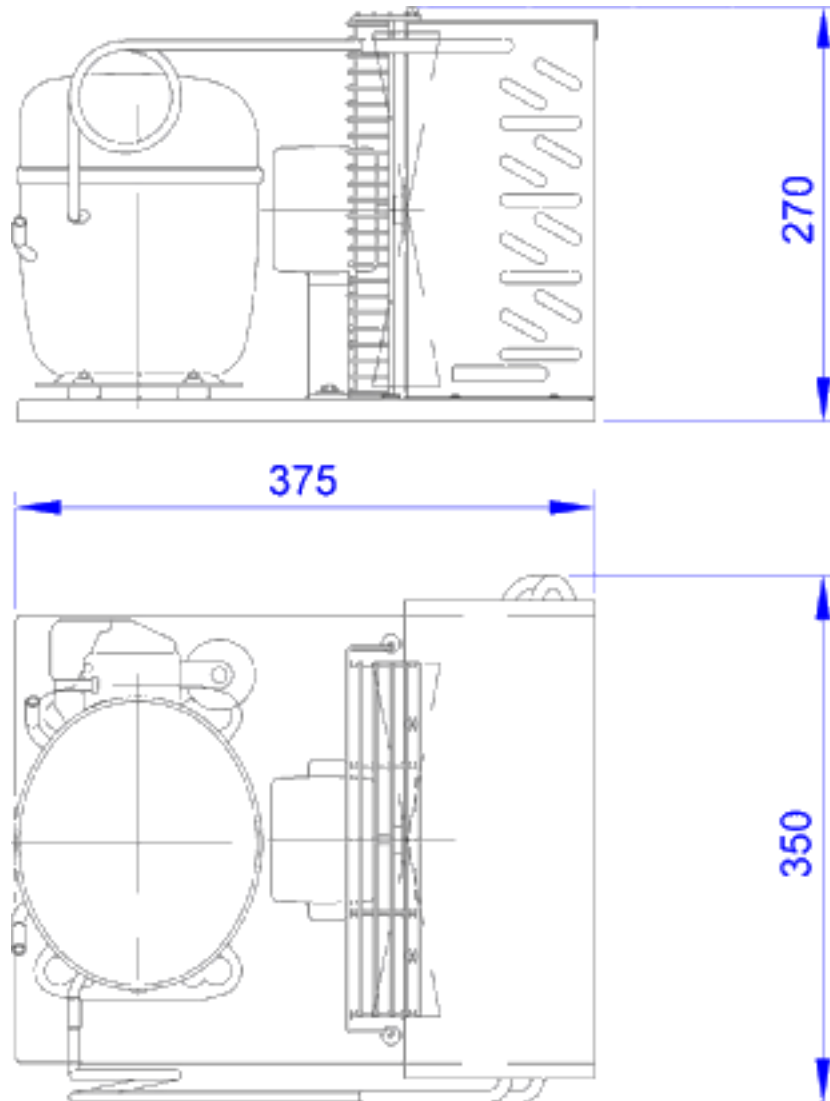
P - Power input [W]

I - Current input [A]

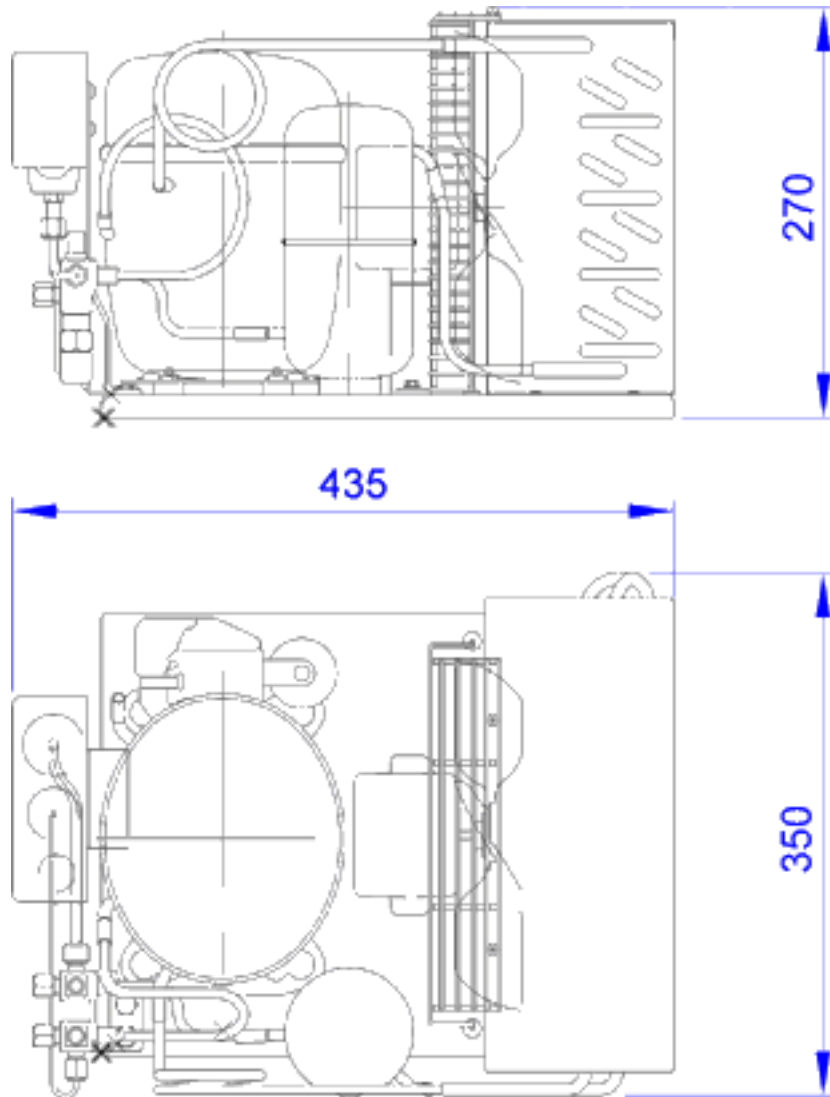
Version 3



Version 4

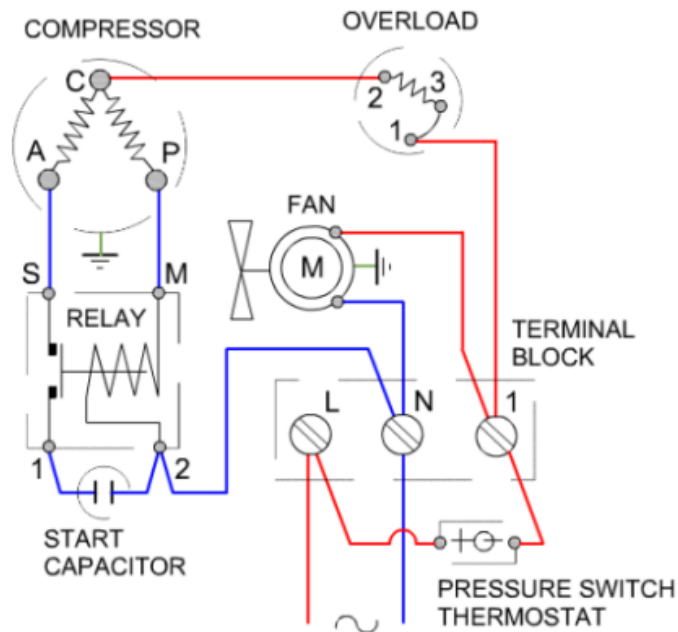


Version 5

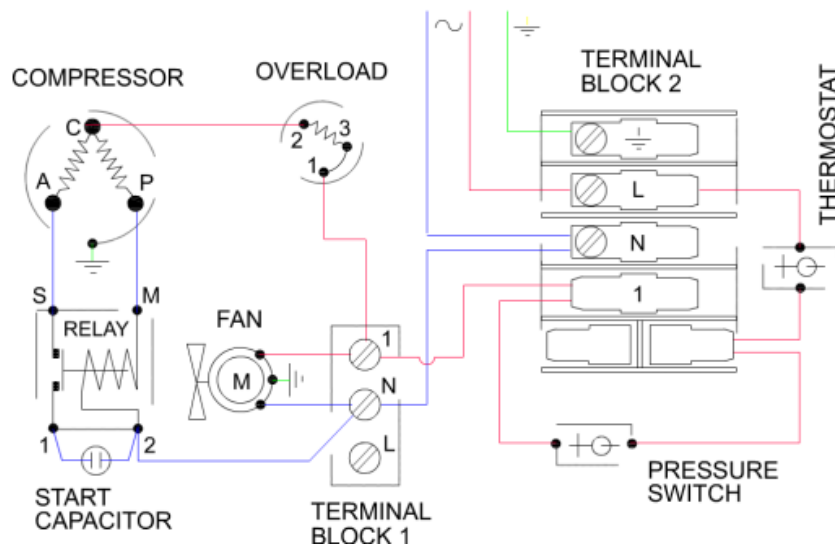




Version 1 - 4



Version 5



- COMPRESSOR - Compressor
- OVERLOAD - Overload protection
- TERMINAL BLOCK - Terminal block
- THERMOSTAT - Thermostat
- PRESSURE SWITCH - Pressure switch
- FAN - Fan
- RELAY - Starting relay
- START CAPACITOR - Starting capacitor