

Condensing unit Technical Data

Model **ECGP12TB** Code **ECGP20101201**

HMBP

General Data

Refrigerant:	R134a
Application:	H/MBP
Evaporating Temperature Range:	-25°C to +10°C
Voltage/Frequency:	220-240V50Hz
Cooling:	FAN
Packaging Quantity:	Multi 21 pcs
Approvals:	CE-VDE 
Max. Ambient Temperature:	43 C°
Max. Allowed Pressure:	20 Kg/cm ²
Max. Peak Discharge Temperature:	135 C°
Max. Peak Condensing Temperature:	70 C°

Mechanical Data

Oil Charge:	300 cm ³
Oil Type Configuration:	ester
Oil Type Viscosity:	19 cSt
Weight:	16.8 kg

External Characteristics

Internal Diameter	mm / inch
Suction Connector	8.1
Discharge Connector	5/16
Process Connector	8.1
Material	Copper

Condenser Data

Condenser Type:	CU - AL
Condenser Model:	9 T 3 R
Fan Motor Output Power:	10 W
Fan Blade Diameter:	230mm/28°

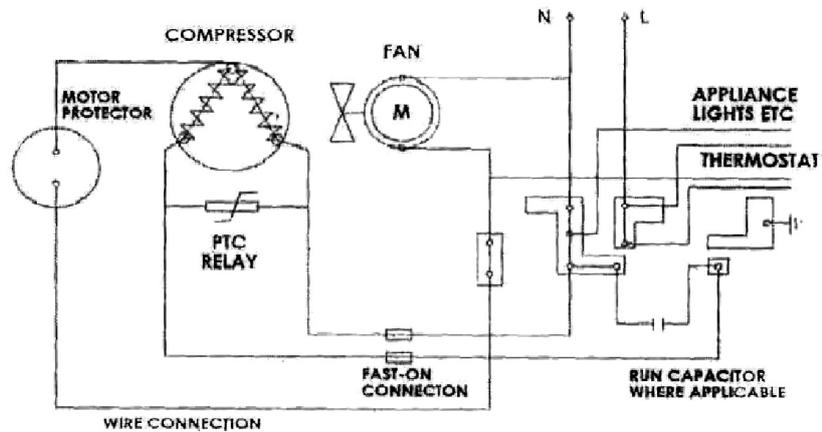
Electrical Components

Component Type	
Starting Device:	RELAY MTRP43
Motor Protection:	T0181/xx
Start Capacitor	47-56µf
Run Capacitor	

Electrical Data

Motor Type:	CSIR
Voltage working range at 50Hz:	187-264V
Maximum Motor Temperature:	130°C
Locked Rotor Current 50 Hz:	14.0 A
Start Winding Resistance:	17.84 Ω at 25°C
Run Winding Resistance:	5.81 Ω at 25°C
Phase :	1 ph

Electrical Diagram:



MCMC compressors reserves the right to change the data without prior notice

10th of Ramadan City - (Cairo) Egypt
 Industrial Zone A-2
 P.o Box : 1001 (10th of Ramadan)
 Tel. : 0554 - 413322 (10 lines)
 Fax. : 0554 - 413161 - 413029
 Web site : <http://www.zmcegypt.com>

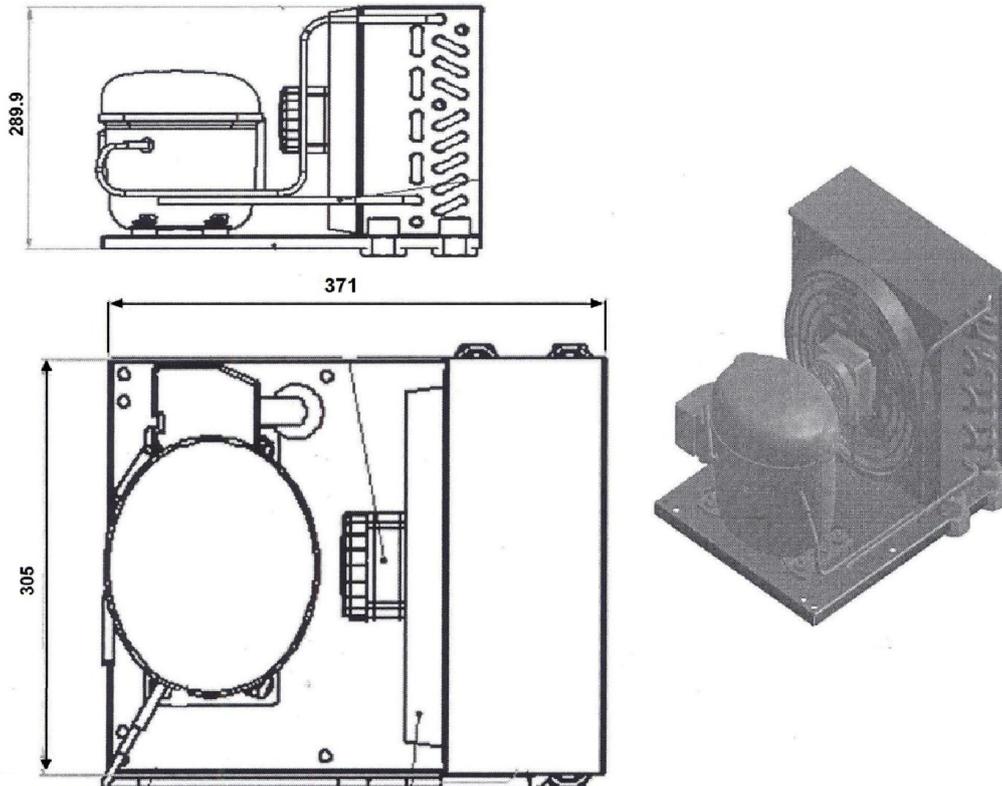


العاشر من رمضان
 المنطقة الصناعية أ - ٢
 ص.ب: ١٠٠١ العاشر من رمضان
 تليفون : ٤١٣٣٢٢ - ٠٥٥٤ (١٠ خطوط)
 فاكس : ٤١٣١٦١ - ٤١٣٠٢٩ (٠٥٥٤)

PERFORMANCE DATA :**1- TEST CONDITIONS:**

	ASHRAE	CECOMAF
Condensing Temperature	55 C ^o	55 C ^o
Liquid Temperature	46 C ^o	55 C ^o
Gas Return Temperature	35 C ^o	32 C ^o
Ambient Temperature	35 C ^o	32 C ^o
Voltage/Frequency:	220V/50Hz	220V/50Hz

	<u>At CECOMAF CONDITION</u>	<u>At ASHRAE CONDITION</u>
Evaporating Temperature (C ^o)	+5	+7.2
Cooling Capacity W	900	
Cooling Capacity Kcl/hr		950
EER Kcl/h/W	1.48	1.74
C.O.P W/W	1.72	2.03
Input Power W	523	545
Current A	3.09	3.2

Dimensions:

Test Condition: Ashrae, Static, Return Gas 32°C Subcooling OK, Evaporating: 23.3°C, Condensing: 55°C, Ambient: 32°C

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