

Condensing unit Technical Data

Model **ECGL70AN** Code **ECGL20107001**

LBP

General Data

| | |
|----------------------------------|--|
| Refrigerant: | R134a |
| Application: | LBP |
| Evaporating Temperature Range: | -30°C to -10°C |
| Voltage/Frequency: | 200-220V/220-230 50/60Hz |
| Cooling: | FAN |
| Packaging Quantity: | Multi 21 pcs |
| Approvals: | CE-VDE  |
| Max. Ambient Temperature: | 43/50 C° |
| Max. Allowed Pressure: | 20 Kg/cm ² |
| Max. Peak Discharge Temperature: | 135 C° |

Mechanical Data

| | |
|-------------------------|---------------------|
| Oil Charge: | 445 cm ³ |
| Oil Type Configuration: | ester |
| Oil Type Viscosity: | 19 cSt |
| Weight: | 15.60 kg |

External Characteristics

| | |
|---------------------|-----------|
| Internal Diameter | mm / inch |
| Suction Connector | 6.5 |
| Discharge Connector | 5/16 |
| Process Connector | 6.5 |
| Material | Copper |

Condenser Data

| | |
|-------------------------|-----------|
| Condenser Type: | CU - AL |
| Condenser Model: | 8 T 3 R |
| Fan Motor Output Power: | 10 W |
| Fan Blade Diameter: | 200mm/28° |

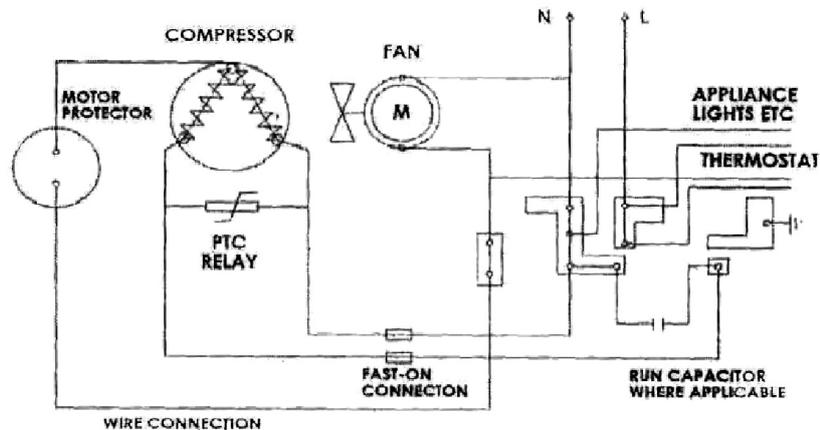
Electrical Components

| | |
|-------------------|----------|
| Component Type | |
| Starting Device: | PTC 14Ω |
| Motor Protection: | T0683/xx |
| Start Capacitor | |
| Run Capacitor | |

Electrical Data

| | |
|------------------------------------|---------------------|
| Motor Type: | RSIR |
| Voltage working range at 50/60 Hz: | 170-242V / 187-253V |
| Maximum Motor Temperature: | 130°C |
| Locked Rotor Current 50 Hz: | 16.5 / 11.2 A |
| Locked Rotor Current 60 Hz: | 15.0 / 10.3 A |
| Start Winding Resistance: | 11.00 Ω at 25°C |
| Run Winding Resistance: | 7.10 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>

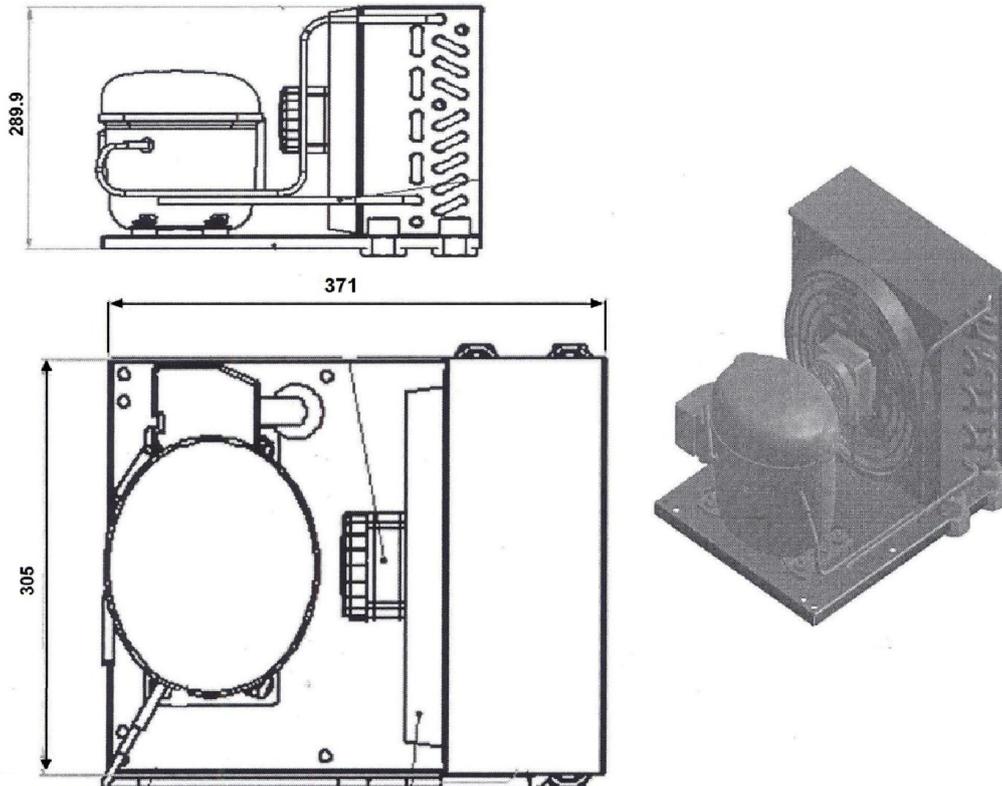


العاشر من رمضان
 المنطقة الصناعية أ - ٢
 ص.ب : ١٠٠١ العاشر من رمضان
 تليفون : ٤١٣٣٢٢ - ٠٥٥٤ (١٠ خطوط)
 فاكس : ٤١٣١٦١ - ٤١٣٠٢٩ (٠٥٥٤)

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

| | ASHRAE | CECOMAF |
|------------------------|-------------------|-------------------|
| Condensing Temperature | 55 C ^o | 55 C ^o |
| Liquid Temperature | 32 C ^o | 55 C ^o |
| Gas Return Temperature | 32 C ^o | 32 C ^o |
| Ambient Temperature | 32 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) | -25 | -23.3 |
| Cooling Capacity W | 153.9 | 169.5 |
| Cooling Capacity Kcl/hr | 109.1 | 146.2 |
| EER Kcl/hr | | |
| C.O.P W/W | 0.581 | 0.757 |
| Input Power W | 218.2 | 224.5 |
| Current A | 1.89 | 1.9 |

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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