

# QD110H , Chest Freezer Compressor , 1/3HP , 220V/50Hz , R134A

Category: Technologie, Tester ok

written by [www.mbsm.pro](http://www.mbsm.pro) | 18 April 2020



PictureS Mbsm Dot Pro : [www.mbsm.pro](http://www.mbsm.pro)

1/3HP Refrigeration Compressor 220V/50Hz R134A

AC Compressor: R134A Hermetic LBP Piston Reciprocating Compressor  
Model: WQ110H  
Power Supply: 220-240/50-60V/Hz  
Displacement: 11CC  
Nominal Power: 1/3HP  
Rated Power: 233W  
Cooling Capacity: 280W  
COP: 1.20W/W  
Motor Type: RSIR  
Starting relay: Starting Relay/PTC  
Starting Capacitor: / $\mu$  F  
Running Capacitor: / $\mu$  F  
Cooling Type: F  
Application: LBP  
Certificate: 3C  
1X20'FCL: 1600PCS



Application:

LBP: Low back pressure; Refrigerator, Freezer, Wine cooler

MBP: Medium Back Pressure; Air-conditioner, vending machine

HBP: High Back Pressure: Air-conditioner, ice maker

LBP ASHRAE Test Condition:

Evaporation Temperature: -23.3 °C

Condensing Temperature: 54.4 °C

Subcooling Temperature: 32.2 °C

Ambient Temperature: 32.2 °C

MBP ASHRAE Test condition:

Evaporation Temperature: -5 °C

Condensing Temperature: 54.4 °C

Ambient Temperature: 35 °C

Subcooling Temperature: 46.1

Suction Temperature: 35 °C

HBP ASHRAE Test condition:

Evaporation Temperature: 7.2°C

Condensing Temperature: 54.4°C

Ambient Temperature: 35°C

Subcooling Temperature: 46.1°C

Suction Temperature: 35°C

Parameter Variation Range:

Cooling Capacity: ≥ 95%

Input Power: ≤ 115%

Current: ≤ 110%

COP: ≥ 95%

Cooling Type:

S: Natural cooling

F1: Fan cooling, 200mm fan diameter, 1.5m/s air speed

F2: Fan cooling, 200mm fan diameter, 3m/s air speed

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## COMPRESOR ACC GL80AN R134 1/5, Cubigel Compressors LBP , Hermetic, Freezing, Tb/Cooling/hmbp

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GL80AN 01263  
200 - 220 V ~ 50 Hz  
220 - 230 V ~ 60 Hz  
R 134a  
7668  
0006696

WWW.MBSM.PRO



PictureS Mbsm Dot Pro : [www.mbsm.pro](http://www.mbsm.pro)

Type: Hermetic piston compressors  
Producer: ACC

Series: HMBP/tb

Model: GL80AN

#### General data

Refrigerant: R134a  
Discharge element: C  
Cooling: S  
Maximum ambient temperature [°C]: 43

#### Compressor's data

Cylinder capacity [cm<sup>3</sup>]: 8,1  
Displacement [m<sup>3</sup>/h]: 1,4  
Weight [kg]: 10,6  
Oil charge [cm<sup>3</sup>]: 445  
Oil type: ISO VG 19 ESTER

#### Engine's data

Engine type: RSIR  
Power [KM]: 1/5  
Starting element: LST  
Power supply: 220V 50Hz  
Voltage range: 170-242  
Locked rotor current [A]: 18  
Running winding resistance (25°C) [Ω]: 5,81  
Starting winding resistance (25°C) [Ω]: 11,01

#### Electrical data

Relays: 3003  
Shielding element: MRP321LZ, T0683, AF11FI  
Starting capacitor volume [μF]:

#### Connections

	milimeters	inches
Suction tube:	6,5	
Service tube:	6,5	
Discharge tube:	4,9	

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