

Compressor Technical Data

Model **HL105AH** Code **086500316516**

LBP

General Data

Refrigerant:	R600a
Application:	LBP
Evaporating Temperature Range:	-30°C to -10°C
Voltage/Frequency:	220-240V 50Hz
Compressor Cooling:	Static
Expansion Device:	Capillary Tube
Packaging Quantity:	Multi - 96:120 pcs
Approvals:	CE CE

Mechanical Data

Oil Charge:	160 cm3
Oil Type Configuration:	Mineral
Oil Type Viscosity:	5 cSt
Weight:	7.6 kg

Electrical Data

Motor Type:	RSCR
Voltage working range at 50 Hz:	187-264V
Maximum Motor Temperature:	130°C
Locked Rotor Current:	
Start Winding Resistance:	25.1 Ω at 25°C
Run Winding Resistance:	18.5 Ω at 25°C
Phase :	1 ph

External Characteristics

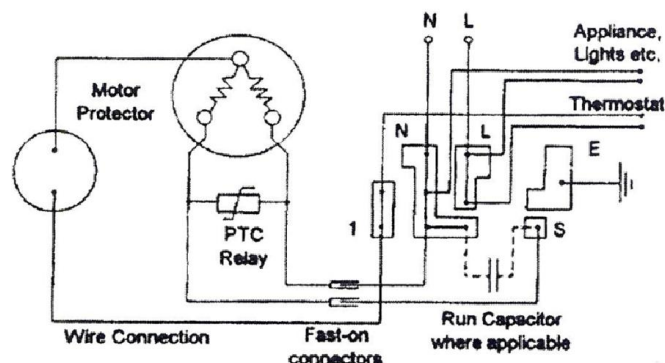
Internal Diameter	(mm)
Suction Connector	6.5
Discharge Connector	4.9
Process Connector	6.5
Material	Copper

Electrical Components

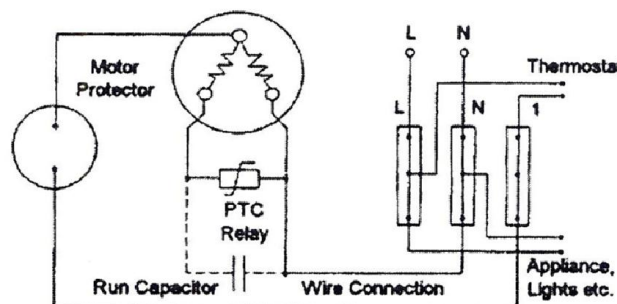
Component Type	
Starting Device:	PTC 15 Ω
Motor Protection:	DRB24P61A1 4 μ F

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

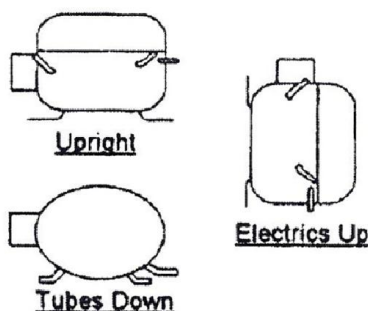
Circuit Diagram for Mod.90 Terminal Board



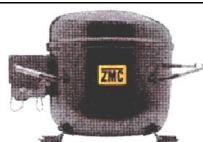
Circuit Diagram for U.H. Terminal Board



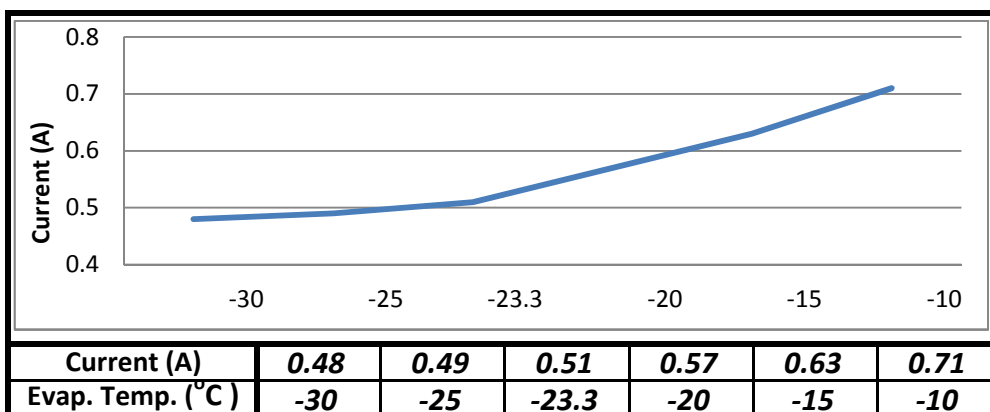
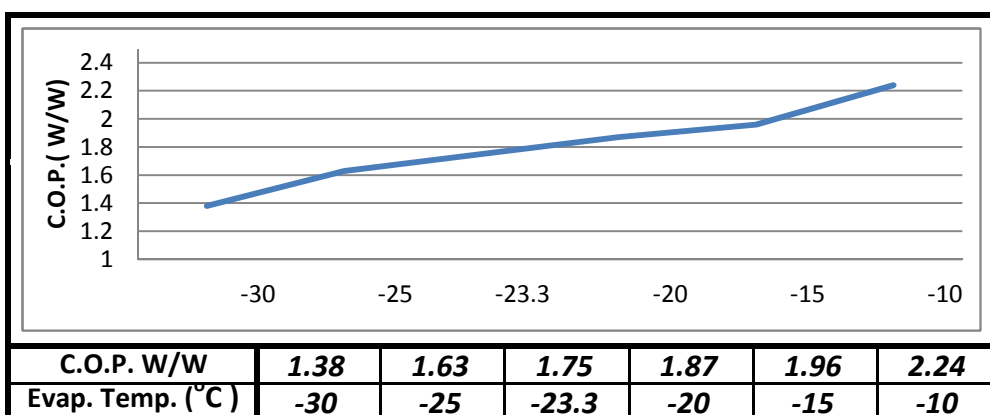
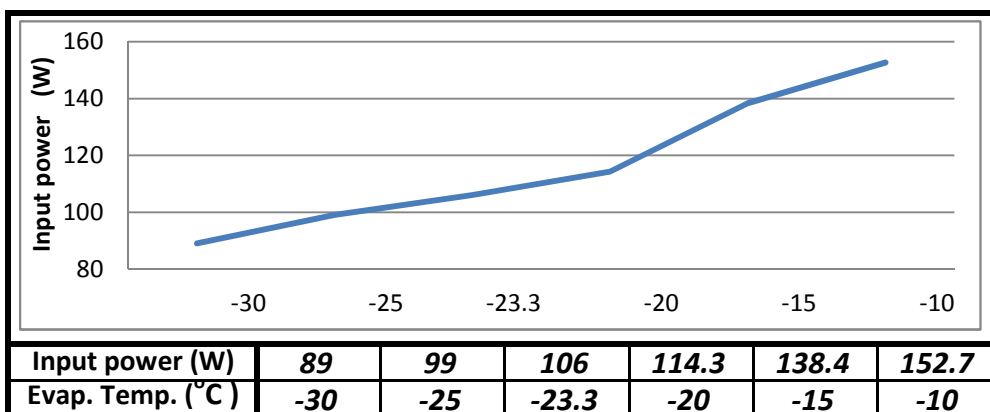
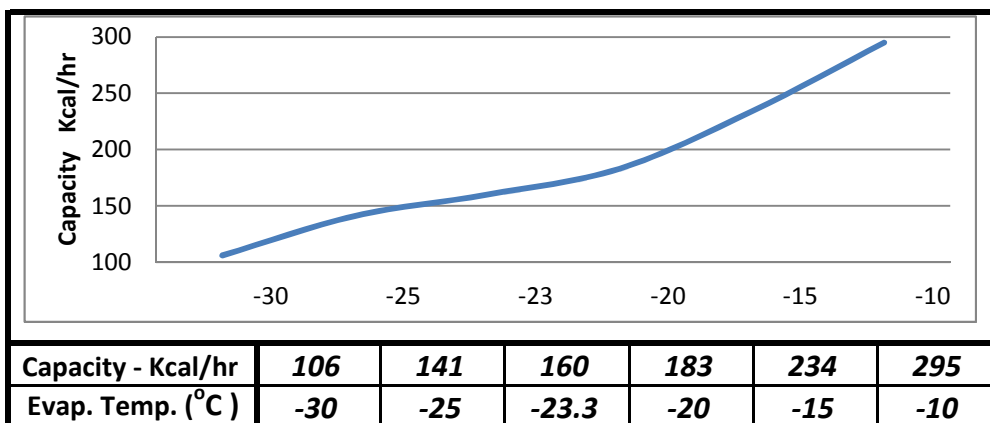
Recommended Transport
Positions when fitted into
appliances



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>



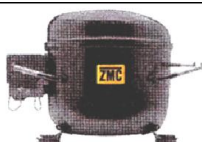
العاشر من رمضان
المنطقة الصناعية أ - ٢
ص.ب: ١٠٠١ العاشر من رمضان
تليفون : ٠٥٥٤ - ٤١٣٣٢٢ (١٠ خطوط)
فاكس : ٠٥٥٤ - ٤١٣٠٢٩ - ٤١٣١٦١

PERFORMANCE CURVE DATA :

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

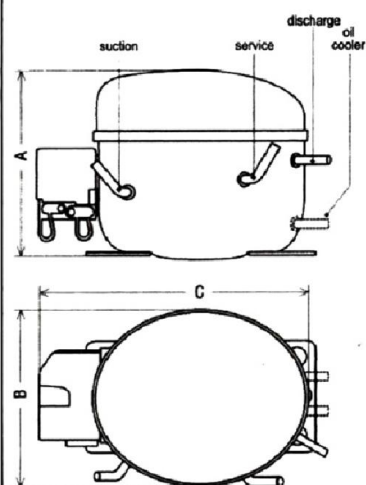
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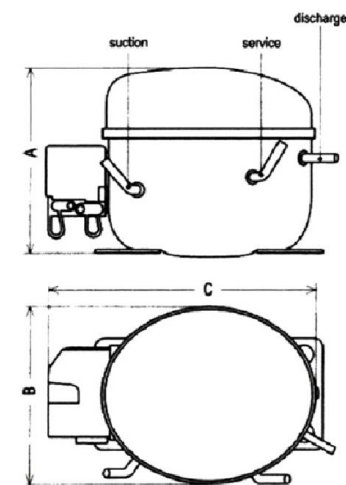


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GM, GN and GL models



HL and HP models



Standard dimensions for mounting hole centres: 170x70 mm

Special feet

Models	Distance between holes	Holes diameter
GM/GN/HL/HP/GP	165 x 101.6	4 x 19
	170 x 70	6 x 165

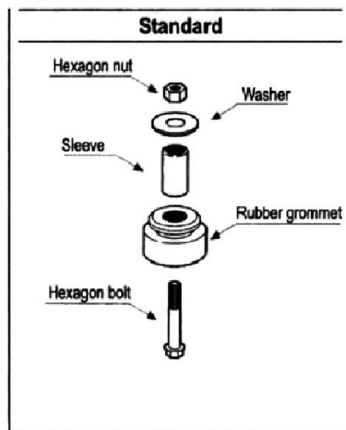
Tube internal diameter "GM", "GN", "GL", "HL"

"HP" and "GP"

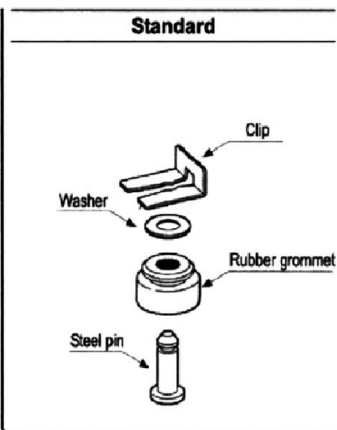
Material	Suction	Service	Discharge
Copper steel / copper	6.1	6.1	4.9
Copper	6.1	6.1	5.1
Copper	6.5	6.5	4.9
Copper	8.1	8.1	6.5

Mounting accessories

Standard



Standard

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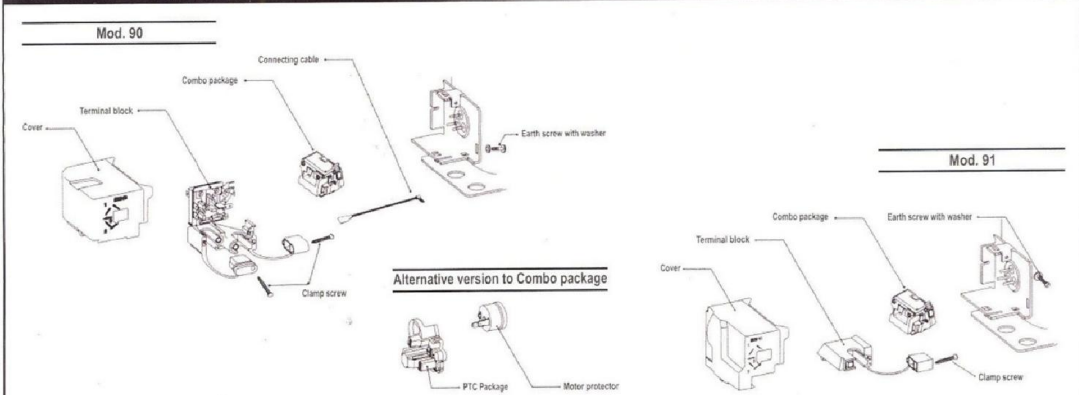
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Terminal board 'A' for GL, GM, GN, HL and HP models



Terminal board 'B' for GL, GM, GN, HL and HP models

