

# Certificate, ZMC, zanussi, Made in Egypt, Compressor, EGM90AZ, 1/4 hp, Lbp, R134a

Category: compressor

written by Amina | 9 October 2023



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Certificate, ZMC, zanussi, Made in Egypt, Compressor, EGM90AZ, 1/4 hp, Lbp, R134a

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# Mbsm.pro, Compressor, zmc, hl105at, 1/6 hp, lbp

Category: compressor

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ECOMAF	ASHRAE	CECOMAF	ASHRAE	CECOMAF	ASHRAE	Voltage	Temp C			
25°C-	23.3°C-	25°C-	23.3°C-	25°C-	23.3°C-					
W/W	W/W	W/W	W/W	W	kcal/h					
		1.06	1.37	89	104	A	43	1/7	LBP::R600a	HL80AH <input type="checkbox"/>
		1.08	1.38	99	115	A	43	1/7	LBP::R600a	HL90AH <input type="checkbox"/>
		1.03	1.34	103	120	A	43	1/6	LBP::R600a	HL99AH <input type="checkbox"/>

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Mbsm.pro, Compressor, zmc, hl105at, 1/6 hp, lbp

# Mbsm.pro, Compresor, ZMC, 1/5 hp++, 1/4 hp-, High-Medium Back Pressure, GL80TB, GL80AA, cooling and freezing

Category: compressor

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Mbsm.pro, Compressor, ZMC, 1/5 hp++, 1/4 hp-, High-Medium Back Pressure, GL80TB, GL80AA, cooling and freezing

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Mbsm.pro, compressor, EGM60AF, zmc, Manufacturing Compressor Misr , 1/6 hp, LBP, RSIR / RSCR

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Mbsm.pro, compressor, EGM60AF, zmc, Manufacturing Compressor Misr , 1/6 hp, LBP, RSIR / RSCR

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Mbsm.pro, Kiriazi, E280/2, Refrigerator, 2 Doors, 10 Feet, ZMC, EGL60AF, compressor, r134a, 140g, 1/6 hp, LBP

Category: compressor,Refrigerator

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Mbsm.pro, Kiriazi, E280/2, Refrigerator, 2 Doors, 10 Feet, ZMC, EGL60AF, compressor, r134a, 140g, 1/6 hp, LBP

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## Mbsm.pro, PDF, Compressor, EGM35AF, 1/10 HP, ZMC, R134A, LNB

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Mbsm.pro, PDF, Compressor, EGM35AF, 1/10 HP, ZMC, R134A, LNB

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## ZMC, zanussi, Made in Egypt, Compressors

Category: compressor

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## R134a

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE	CECOMAF	ASHRAE	CECOMAF	ASHRAE	CECOMAF
					-23.3°C kcal/h	-25°C W	-23.3°C W/W	-25°C W/W	-23.3°C W/W	-25°C W/W
▶ <input type="checkbox"/> <a href="#">GL45AA</a>	LBP::R134a	1/8	43	A	96	82	1.06	0.82		
▶ <input type="checkbox"/> <a href="#">GL45AN</a>	LBP::R134a	1/8	50	C	96	81	1.05	0.8		
▶ <input type="checkbox"/> <a href="#">GL60AA</a>	LBP::R134a	1/6	43	A	132	114	1.14	0.89		
▶ <input type="checkbox"/> <a href="#">GL60AF</a>	LBP::R134a	1/6	43	D	132	113	1.07	0.82		
▶ <input type="checkbox"/> <a href="#">GL60AH</a>	LBP::R134a	1/6	43	A	133	114	1.31	1.01		
▶ <input type="checkbox"/> <a href="#">GL60AN</a>	LBP::R134a	1/6	50	C	132	114	1.07	0.83		
▶ <input type="checkbox"/> <a href="#">GL70AA</a>	LBP::R134a	1/5	43	A	149	128	1.18	0.92		
▶ <input type="checkbox"/> <a href="#">GL70AN</a>	LBP::R134a	1/5	50	D	150	129	1.08	0.83		
▶ <input type="checkbox"/> <a href="#">GL70AT</a>	LBP::R134a	1/5	43	E	144	122	1.09	0.84		
▶ <input type="checkbox"/> <a href="#">GL75AA</a>	LBP::R134a	1/5	43	A	155	133	1.18	0.92		
▶ <input type="checkbox"/> <a href="#">GL80AA</a>	LBP::R134a	1/5	43	A	173	148	1.19	0.93		
▶ <input type="checkbox"/> <a href="#">GL80AF</a>	LBP::R134a	1/5	43	D	166	141	1.14	0.88		
▶ <input type="checkbox"/> <a href="#">GL80AH</a>	LBP::R134a	1/5	43	A	175	150	1.35	1.06		
▶ <input type="checkbox"/> <a href="#">GL80AN</a>	LBP::R134a	1/4	43	A	196	168	1.36	1.06		
▶ <input type="checkbox"/> <a href="#">GL90AA</a>	LBP::R134a	1/4	43	A	195	167	1.19	0.93		
▶ <input type="checkbox"/> <a href="#">GL90AH</a>	LBP::R134a	1/4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> <a href="#">GL90AN</a>	LBP::R134a	1/4	50	D	190	163	1.1	0.85		
▶ <input type="checkbox"/> <a href="#">GL90AT</a>	LBP::R134a	1/4	43	E	190	161	1.19	0.92		
▶ <input type="checkbox"/> <a href="#">GL99AA</a>	LBP::R134a	1/4	43	A	214	182	1.24	0.96		
▶ <input type="checkbox"/> <a href="#">GL99AH</a>	LBP::R134a	1/4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> <a href="#">GL80AD</a>	LBP::R134a	1/5	43	W	0	0	0	0		
▶ <input type="checkbox"/> <a href="#">GL90AD</a>	LBP::R134a	1/4	43	W	0	0	0	0		

## R134a

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE -23.3°C	CECOMAF -25°C	ASHRAE -23.3°C	CECOMAF -25°C	ASHRAE -23.3°C	CECOMAF -25°C
					kcal/h	W	W/W	W/W	W/W	W/W
▶ <input type="checkbox"/> <a href="#">GL45AA</a>	LBP::R134a	1/8	43	A	96	82	1.06	0.82		
▶ <input type="checkbox"/> <a href="#">GL45AN</a>	LBP::R134a	1/8	50	C	96	81	1.05	0.8		
▶ <input type="checkbox"/> <a href="#">GL60AA</a>	LBP::R134a	1/6	43	A	132	114	1.14	0.89		
▶ <input type="checkbox"/> <a href="#">GL60AF</a>	LBP::R134a	1/6	43	D	132	113	1.07	0.82		
▶ <input type="checkbox"/> <a href="#">GL60AH</a>	LBP::R134a	1/6	43	A	133	114	1.31	1.01		
▶ <input type="checkbox"/> <a href="#">GL60AN</a>	LBP::R134a	1/6	50	C	132	114	1.07	0.83		
▶ <input type="checkbox"/> <a href="#">GL70AA</a>	LBP::R134a	1/5	43	A	149	128	1.18	0.92		
▶ <input type="checkbox"/> <a href="#">GL70AN</a>	LBP::R134a	1/5	50	D	150	129	1.08	0.83		
▶ <input type="checkbox"/> <a href="#">GL70AT</a>	LBP::R134a	1/5	43	E	144	122	1.09	0.84		
▶ <input type="checkbox"/> <a href="#">GL75AA</a>	LBP::R134a	1/5	43	A	155	133	1.18	0.92		
▶ <input type="checkbox"/> <a href="#">GL80AA</a>	LBP::R134a	1/5	43	A	173	148	1.19	0.93		
▶ <input type="checkbox"/> <a href="#">GL80AF</a>	LBP::R134a	1/5	43	D	166	141	1.14	0.88		
▶ <input type="checkbox"/> <a href="#">GL80AH</a>	LBP::R134a	1/5	43	A	175	150	1.35	1.06		
▶ <input type="checkbox"/> <a href="#">GL80AN</a>	LBP::R134a	1/4	43	A	196	168	1.36	1.06		
▶ <input type="checkbox"/> <a href="#">GL90AA</a>	LBP::R134a	1/4	43	A	195	167	1.19	0.93		
▶ <input type="checkbox"/> <a href="#">GL90AH</a>	LBP::R134a	1/4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> <a href="#">GL90AN</a>	LBP::R134a	1/4	50	D	190	163	1.1	0.85		
▶ <input type="checkbox"/> <a href="#">GL90AT</a>	LBP::R134a	1/4	43	E	190	161	1.19	0.92		
▶ <input type="checkbox"/> <a href="#">GL99AA</a>	LBP::R134a	1/4	43	A	214	182	1.24	0.96		
▶ <input type="checkbox"/> <a href="#">GL99AH</a>	LBP::R134a	1/4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> <a href="#">GL80AD</a>	LBP::R134a	1/5	43	W	0	0	0	0		
▶ <input type="checkbox"/> <a href="#">GL90AD</a>	LBP::R134a	1/4	43	W	0	0	0	0		

## R12

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE	CECOMAF	ASHRAE	CECOMAF	ASHRAE	CECOMAF
					-23.3°C kcal/h	-25°C W	-23.3°C W/W	-25°C W/W	-23.3°C W/W	-25°C W/W
<input type="checkbox"/> <a href="#">L45AV</a>	LBP::R12	1/8	43	B	221	192	0.91	0.71		
<input type="checkbox"/> <a href="#">L55AV</a>	LBP::R12	1/6	43	B	115	101	0.99	0.78		
<input type="checkbox"/> <a href="#">L55BV</a>	LBP::R12	1/6	43	B	115	101	0.99	0.78		
<input type="checkbox"/> <a href="#">L76AV</a>	LBP::R12	1/5	43	B	145	127	1.05	0.84		
<input type="checkbox"/> <a href="#">L76BV</a>	LBP::R12	1/5	43	B	145	127	1.05	0.84		
<input type="checkbox"/> <a href="#">L88AV</a>	LBP::R12	1/4	43	B	171	150	1.02	0.81		
<input type="checkbox"/> <a href="#">L88BV</a>	LBP::R12	1/4	43	B	171	150	1.02	0.81		
<input type="checkbox"/> <a href="#">LT45AV</a>	LBP::R12	1/8	50	B	94	83	1.04	0.83		
<input type="checkbox"/> <a href="#">LT55AV</a>	LBP::R12	1/6	50	B	115	102	1.06	0.85		
<input type="checkbox"/> <a href="#">LT55BV</a>	LBP::R12	1/6	50	B	115	102	1.06	0.85		
<input type="checkbox"/> <a href="#">LT76BV</a>	LBP::R12	1/5	50	B	155	137	1.14	0.91		
<input type="checkbox"/> <a href="#">LT88BV</a>	LBP::R12	1/4	50	B	190	169	1.16	0.93		
<input type="checkbox"/> <a href="#">P12BW</a>	LBP::R12	1/3	43	A	221	192	0.91	0.71		

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## R600a

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE	CECOMAF	ASHRAE	CECOMAF	ASHRAE	CECOMAF
					-23.3°C kcal/h	-25°C W	-23.3°C W/W	-25°C W/W	-23.3°C W/W	-25°C W/W
<input type="checkbox"/> <a href="#">HL80AH</a>	LBP::R600a	1/7	43	A	104	89	1.37	1.06		
<input type="checkbox"/> <a href="#">HL90AH</a>	LBP::R600a	1/7	43	A	115	99	1.38	1.08		
<input type="checkbox"/> <a href="#">HL99AH</a>	LBP::R600a	1/6	43	A	120	103	1.34	1.03		

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Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP <sub>a</sub> 7.2 <sub>a</sub>
					CECOMAF 5°C	ASHRAE 7.2°C	
					W	kcal/h	
▶ <input type="checkbox"/> <a href="#">GL45PB</a>	HMBP::R134a	1/6	43	A			
▶ <input type="checkbox"/> <a href="#">GL45PB</a>	HMBP::R134a	1/6	0	300			
▶ <input type="checkbox"/> <a href="#">GL45TB</a>	HMBP::R134a	1/6	43	A			
▶ <input type="checkbox"/> <a href="#">GL60PB</a>	HMBP::R134a	1/5	43	A			
▶ <input type="checkbox"/> <a href="#">GL60TB</a>	HMBP::R134a	1/5	43	A			
▶ <input type="checkbox"/> <a href="#">GL80PB</a>	HMBP::R134a	1/5	43	A			
▶ <input type="checkbox"/> <a href="#">GL80TB</a>	HMBP::R134a	F	0	300			
▶ <input type="checkbox"/> <a href="#">GL90TB</a>	HMBP::R134a	1/4	43	A			
▶ <input type="checkbox"/> <a href="#">GP12TB</a>	HMBP::R134a	3/8	43	A			

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ZMC, zanussi, Made in Egypt,  
Compressor, Frost Free Freezer,  
GM90AZ, EGM90AZ, 155W, 1/5Hp, 134A,  
150G, Electrostar Freezer, 260L  
CRoss, 235L Storage , 220v-50H, 1.2A,  
Class T

Category: compressor

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## COMPRESSOR TECHNICAL DATA

General Data

Refrigerant: R134a

Application: LBP

**Evaporating Temperature Range:** -30°C to -10°C  
**Voltage/Frequency:** 220/240V/50 HZ  
**Compressor Cooling:** Static  
**Expansion Device:** Capillary Tube  
**Packaging Quantity:** Multi – 96:120 pcs  
**Approvals:** CE-VDE-GOST

## Mechanical Data

**Oil Charge:** 300 cm<sup>3</sup>  
**Oil Type Configuration:** ester  
**Oil Type Viscosity:** 19 cSt  
**Weight:** 10 kg

## Electrical Data

**Motor Type:** RSIR / RSCR\*  
**Voltage working range at 50 Hz:** 187-264V  
**Maximum Motor Temperature:** 130°C  
**Locked Rotor Current:** 14.46 / 9.86 A  
**Start Winding Resistance:** 23.40Ω at 25°C  
**Run Winding Resistance:** 8.08 Ω at 25°C  
**Phase:** 1 ph

## External Characteristics

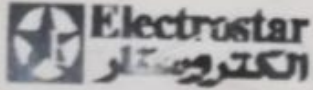
**Internal Diameter (mm)**  
**Suction Connector** 6.5  
**Discharge Connector** 4.9  
**Process Connector** 6.5  
**Material** Copper

## Electrical Components

**Starting Device:** PTC 14Ω  
**Motor Protection:** T0490/xx

**ZMC** **GM90AZ** 1137  
**R 134 a** 220-240V-50Hz  
MADE IN EGYPT  
PGP CE  
474  
0002266

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Made In Egypt

Frost Free Freezer

Model **ES 260 NF** طراز

Voltage **220 V - 50 HZ** **1.2A** **155 W**

Freezing Capacity 22 Kg/24Hr Freezer Stopage Volume 235 Lit.

Total Gross Volume 260 Lit Refrig. Storage Volume



024287

R134a **150g** وزن وسيط

التبريد

Class T صنع في مصر

max. lamp input	Without	15 W
Protection Rating	IPX 4	
According To	ES 6000 / 2008 - ISO 15502 / 2005	

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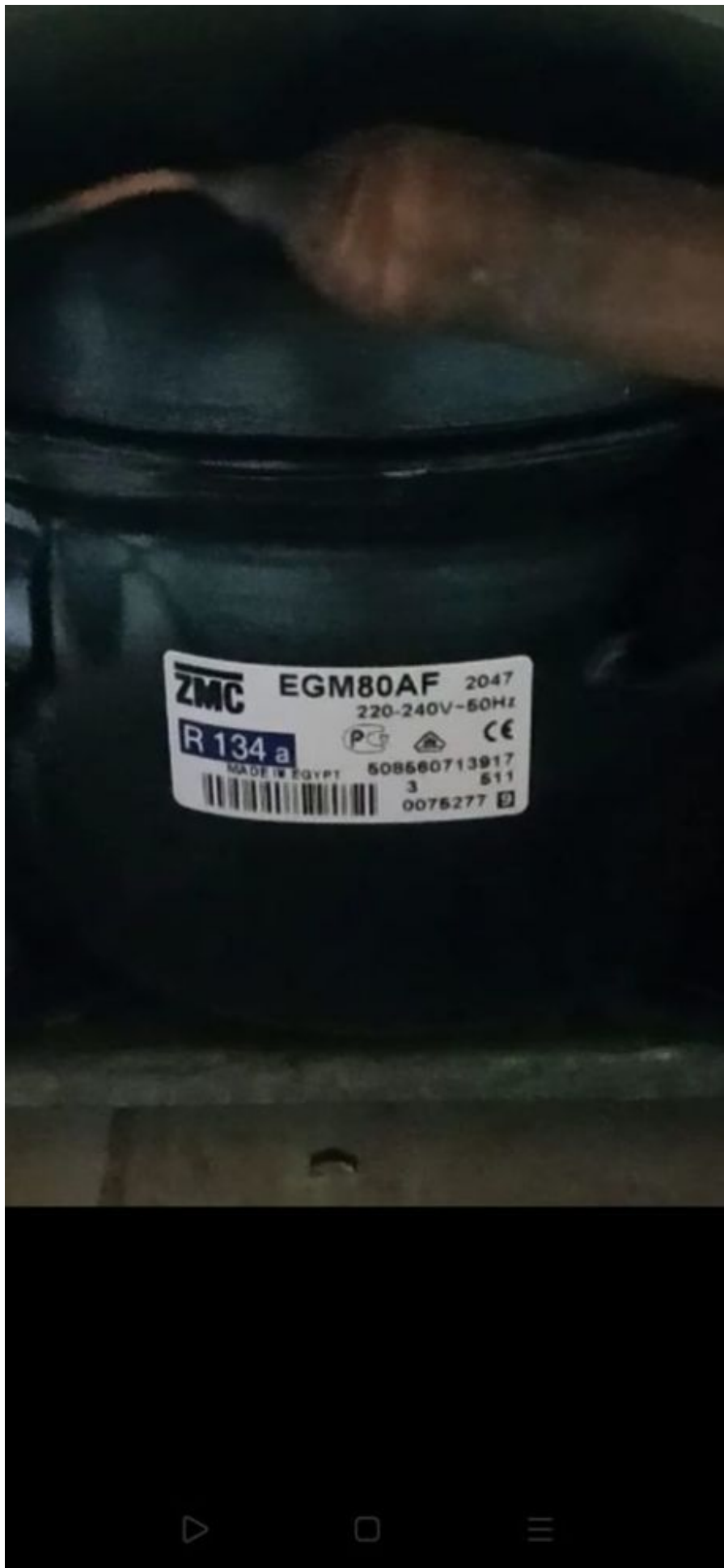
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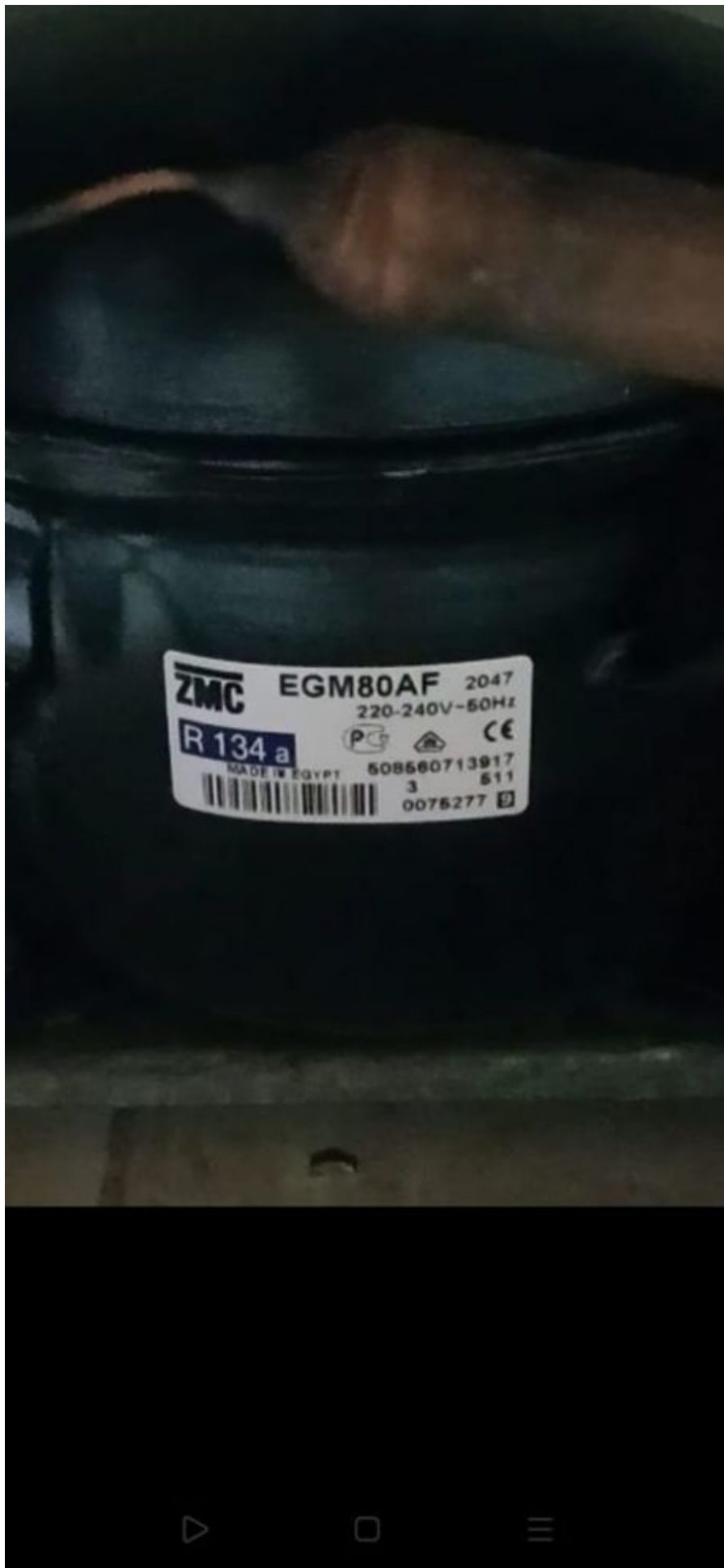
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Mbsm.pro, PDF, Compressor, ZMC, 1/4  
HP, LBP, RSIR / RSCR, GM 80 AF,  
GM80AF, R-134

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# Compressor, ZMC, EGM99AZ, 1/4 Hp, 1PH, R134a, LBP, 220-240V 50Hz

Category: compressor

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### General Data

R134a	:Refrigerant
LBP	:Application
30°C to -10°C-	:Evaporating Temperature Range
220/240V/50 HZ	:Voltage/Frequency
Static	:Compressor Cooling
Capillary Tube	:Expansion Device
Multi - 96:120 pcs	:Packaging Quantity
CE-VDE-GOST	:Approvals



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## Mechanical Data

cm <sup>3</sup> 350	:Oil Charge
ester	:Oil Type Configuration
cSt 19	:Oil Type Viscosity
kg 10.25	:Weight

## Electrical Data

*RSIR / RSCR	:Motor Type
187-264V	:Voltage working range at 50 Hz
130°C	:Maximum Motor Temperature
A 10.19 / 14.49	:Locked Rotor Current
25.08Ω at 25°C	:Start Winding Resistance
Ω at 25°C 7.33	:Run Winding Resistance
ph 1	:Phase



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## External Characteristics

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

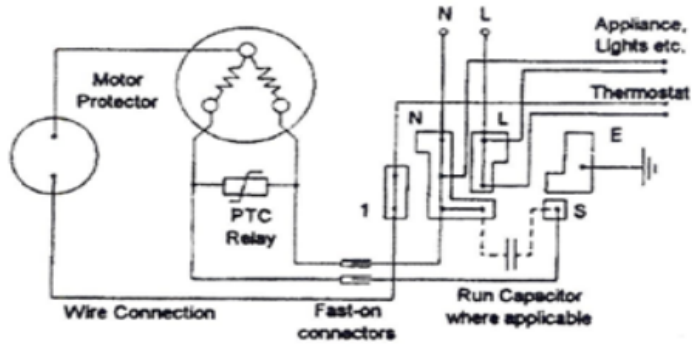
## Electrical Components

PTC 14Ω	:Starting Device
T0137/xx	:Motor Protection

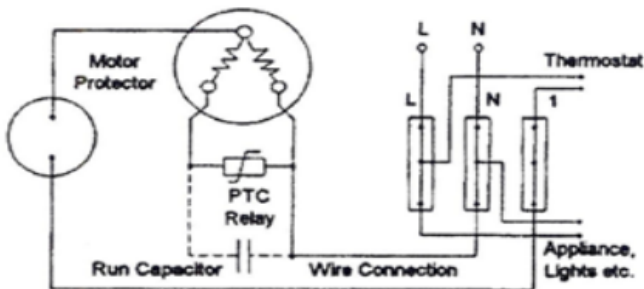


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Circuit Diagram for Mod 90 Terminal Board



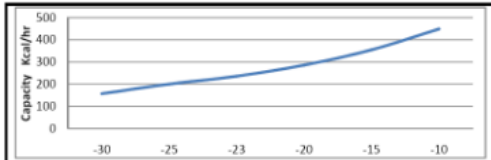
Circuit Diagram for U.H. Terminal Board



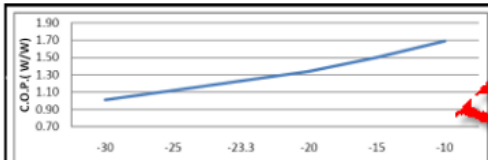
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PERFORMANCE CURVE DATA:

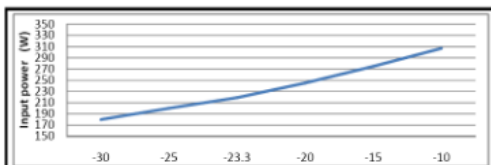
EGM99AZ



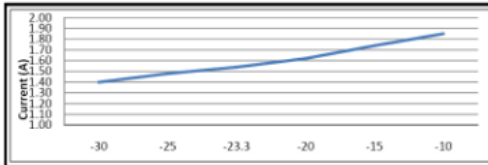
Capacity - Kcal/hr	157	200	236	286	355	449
Evap. Temp. (°C)	-30	-25	-23.3	-20	-15	-10



C.O.P. W/W	1.01	1.12	1.23	1.34	1.50	1.69
Evap. Temp. (°C)	-30	-25	-23.3	-20	-15	-10



Input power (W)	180	200	219	245	275	307
Evap. Temp. (°C)	-30	-25	-23.3	-20	-15	-10



Current (A)	1.40	1.48	1.54	1.62	1.74	1.85
Evap. Temp. (°C)	-30	-25	-23.3	-20	-15	-10

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

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**ZMC**  
**R 134 a**  
**EGM99AZ**

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