

Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, c-qn76l6f-1, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modéfier

Category: compressor

written by www.mbsm.pro | 7 January 2021

Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modéfier
Compressor Motor Protectors

Each compressor incorporates a motor protection device or system. Generally, the larger the compressor, the more sophisticated the motor protector.

It is essential that an electric motor is protected against conditions that could

otherwise result in damage to the motor or to the electrical supply system. For this

reason, every Kulthorn compressor is supplied with a motor protector, sometimes referred

to as an overload. The more expensive the compressor, the greater is the economic

justification for specifying a motor protector that has the ability to protect over a wider

range of conditions.

1. External Motor Protectors

A smaller compressor (such as an AZ, AE or WJ) is fitted with an external motor

protector. Most commonly, this is a compact, cylindrical device that contains a snapaction bimetallic disc. The protector is mounted in contact with the surface of the

compressor housing, inside the terminal guard.

The compressor current passes through the bimetallic disc. The resistance of this disc

causes the disc temperature to increase as the motor current increases. There is usually

a small heater, located under the disc and connected in series with the disc itself. This

heater further raises the temperature of the disc. There is also the impact of the

compressor shell temperature, and a hot compressor will further increase the disc

temperature. The temperature of the disc is thus influenced by the combined effects of –

- the compressor motor current
- the compressor shell temperature

When the bimetallic disc reaches a predetermined temperature (often either 105°C or 120°C) the disc will snap open, and power supply to the compressor will be interrupted.

The compressor will cool, and at a reduced disc temperature the protector will reset

and the compressor will restart, or attempt to restart. If the abnormal condition that

caused the protector to trip in the first place still exists, the compressor is likely to continue

to cycle on the overload until that condition is corrected.

There are two situations where a motor protector is expected to operate.

2. When the compressor is running under extreme conditions.

3. When the compressor is in a locked rotor condition. This is a situation where the

compressor cannot start because the voltage is too low, the system pressures are

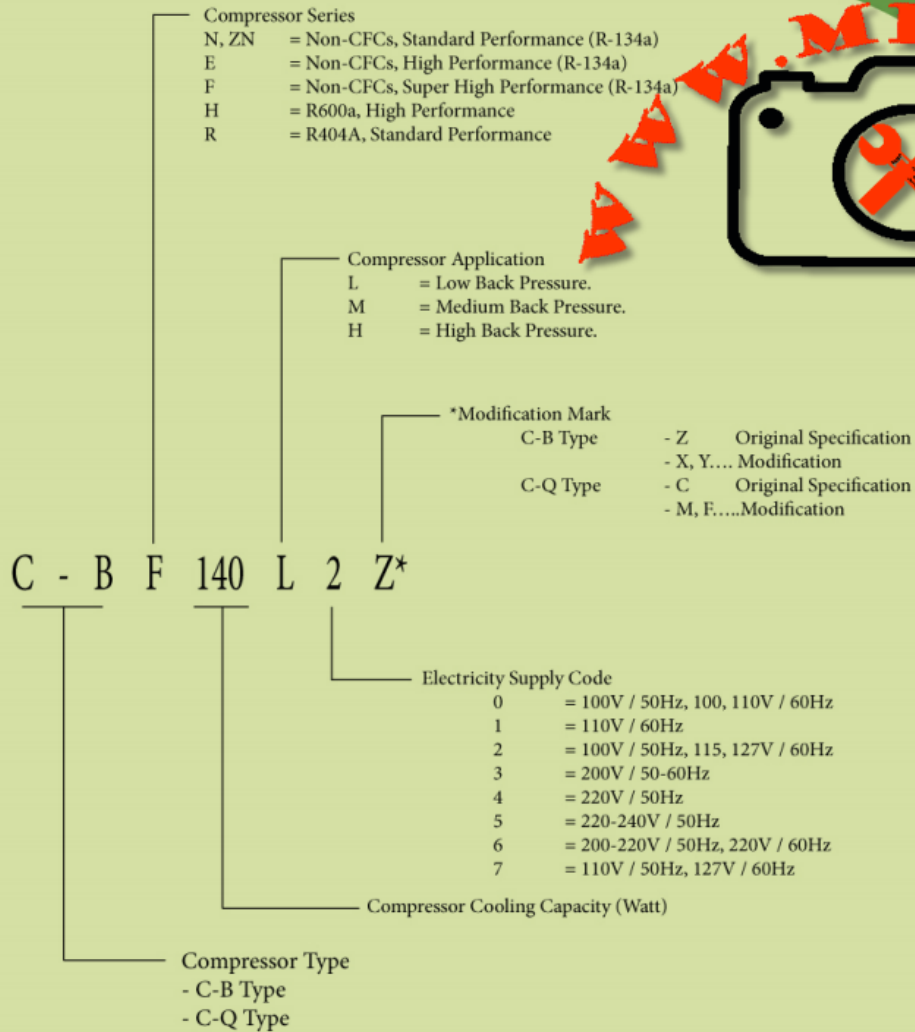
outside the range for which the compressor is approved, there is internal damage to

the compressor, or there is some other reason why the compressor is incapable of

starting



Model Number System



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KULTHORN

COMPRESSOR

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Name: Kulthorn Premier Company Limited (KPC)
 Established: December 1982
 Registered Capital: Baht 1,125 Million
 Address: 446/3 Moo 9 Chachoengsao – Nakornratchasima Road,
 Kabinburi Industrial Estate, Nongki, Kabinburi, Prachinburi 25160, Thailand
 Telephone: (037) 204835, 455516
 Fax: (037) 455525, 204844
 E-mail: sales_kpc@kulthorn.com
 kamjorn@kulthorn.com
 Employees: 900 persons
 Land area: 91 rai (145,600 m²)
 Building of area: 41,500 m²
 Business Products: Hermetic Reciprocating Compressor (Scotch Yoke Mechanism)
 (Product under license SANYO Japan) Size 30-250 Watt.
Compressor series / Refrigerant
 C-BN, C-BZN, C-BE, C-BF / R-134a
 C-QN / R-134a
 C-BH / R-600a
 C-BR / R-404A
 Shareholder: Kulthorn Kirby Public Company Limited 100%
 Customers: **Domestic** – Haier, Sanyo, Toshiba, Hitachi, Daewoo, Samsung, Sanden, etc.
Total = 35%
Export – Daewoo, Sanyo Group, GE, Sanden, Haier, Singer, Videocon,
 Toshiba, etc.
Total = 65%
 Quality System: ISO 9001:2000 Certified by TUV Nord Year 2003
 Q-Mark Certified by F.T.I. Year 2007



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

Category: compressor

written by www.mbsm.pro | 7 January 2021



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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

cm3 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

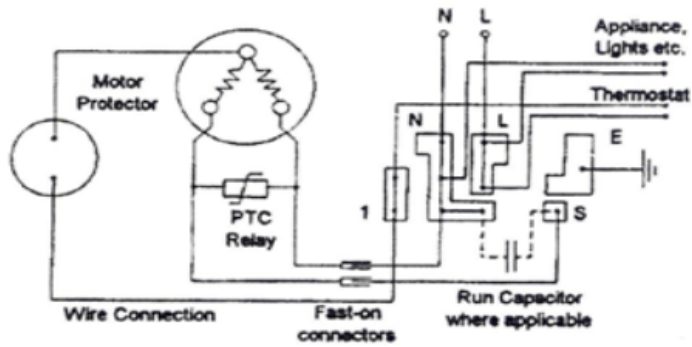


Electrical Components

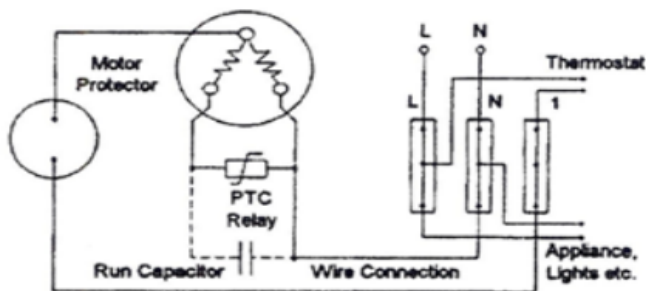
PTC 14Ω	:Starting Device
T0137/xx	:Motor Protection

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Circuit Diagram for Mod 90 Terminal Board



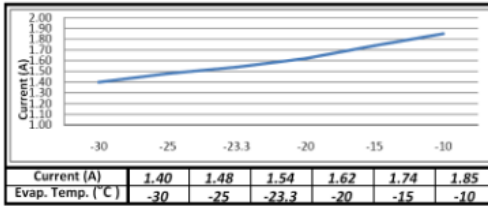
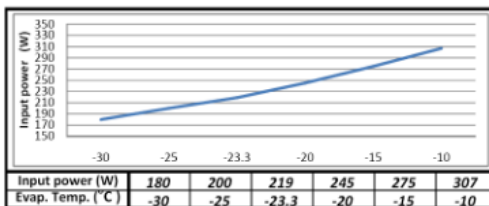
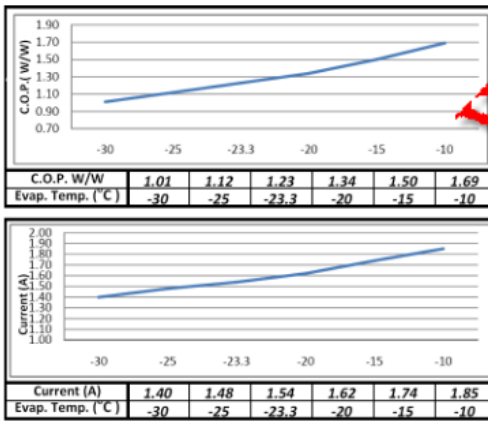
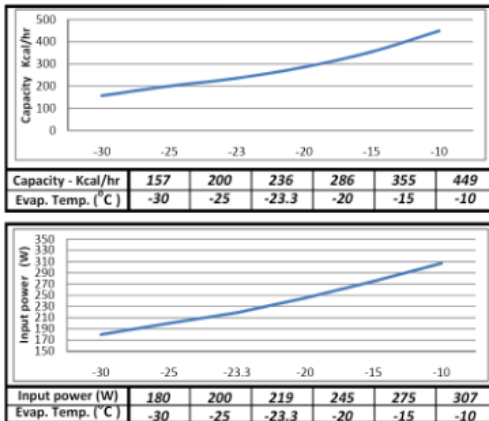
Circuit Diagram for U.H. Terminal Board



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PERFORMANCE CURVE DATA:

EGM99AZ



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

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COMPRESSEURS, 1/6, RSIR/RSCR, 124W, CUBIGEL / ACC, TUBED, R600A, 1PH, HPKD190A, COMPRESSOR – HPKD190A, R600A, Compresseur Zel

Category: compressor

written by www.mbsm.pro | 7 January 2021



R600a

型号	电机	转速范围	排气量	电机类型	制冷量	输入功率	性能系数	高度	重量	认证
Model	Motor	Speed Range	Displ.	Motor Type	Cooling Capacity	Input Power	COP	Height	Net Weight	Certification
		rpm	cm³		w	w	w/w	mm	kg	
220-240V/50Hz										
T系列变频 T Series VSC										
HKD66FSK	Al	1400-4000	6.6	PMSM	45-150	26-85	Up to 1.90	163	7.1	
HKD75FSK	Al	1400-4000	7.5	PMSM	52-170	29-96	Up to 1.90	163	7.1	
HKD86FSK	Al	1400-4000	8.6	PMSM	60-190	35-105	Up to 1.90	163	7.1	
HKD93FSK	Al	1400-4000	9.3	PMSM	70-210	40-125	Up to 1.90	163	7.1	
HKD10FSK	Al	1400-4000	10.5	PMSM	83-235	49-132	Up to 1.90	163	7.1	CCC
HKD12FSK	Al	1400-4000	11.5	PMSM	95-270	51-154	Up to 1.90	163	7.1	CCC
HKD66FSK I	Cu	1400-4000	6.6	PMSM	45-150	25-82	Up to 1.95	163	8.0	
HKD75FSK I	Cu	1400-4000	7.5	PMSM	52-170	28-93	Up to 1.95	163	8.0	
HKD86FSK I	Cu	1400-4000	8.6	PMSM	60-190	32-102	Up to 1.95	163	8.0	
HKD93FSK I	Cu	1400-4000	9.3	PMSM	70-210	38-115	Up to 1.95	163	8.0	
HKD10FSK I	Cu	1400-4000	10.5	PMSM	83-235	44-123	Up to 1.95	163	8.0	CCC
HKD12FSK I	Cu	1400-4000	11.5	PMSM	95-270	50-146	Up to 1.95	163	8.0	CCC
Z系列变频 Z Series VSC										
HXZ150FSM	Al	1200-4200	6.5	PMSM	42-150	23-80	Up to 1.90	145	6.9	-
HXZ170FSM	Al	1200-4200	7.0	PMSM	50-170	26-92	Up to 1.90	145	6.9	-
HXZ200FSM	Al	1200-4200	8.6	PMSM	56-200	30-103	Up to 1.90	145	6.9	-
HXZ220FSM	Al	1200-4200	9.2	PMSM	68-220	36-120	Up to 1.90	145	6.9	-
HXZ240FSM	Al	1200-4200	9.5	PMSM	75-240	39-125	Up to 1.90	145	6.9	-
HDZ150FSM	Al	1200-4200	6.5	PMSM	42-150	25-88	Up to 1.80	145	6.3	-
HDZ170FSM	Al	1200-4200	7.0	PMSM	50-170	27-98	Up to 1.80	145	6.3	-
HDZ200FSM	Al	1200-4200	8.6	PMSM	56-200	30-110	Up to 1.80	145	6.3	-
HDZ220FSM	Al	1200-4200	9.2	PMSM	68-220	40-132	Up to 1.80	145	6.3	-
HDZ240FSM	Al	1200-4200	9.5	PMSM	75-240	43-136	Up to 1.80	145	6.3	-

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HPKD190A

Compressors ZMC, EGL70AT, 1/5Hp, 1Ph, GL70AT, R-134a, standard Efficiency,

220-240V 50Hz, Cubigel Compressor, Cubigel, RSIR, LBP – LST – S, no Starting capacitor

Category: compressor

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Model: GL70AA

General data

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

Compressor's data

Cylinder capacity [cm³]:	6,7
Displacement [m³/h]:	1,1
Weight [kg]:	9,6
Oil charge [cm³]:	345
Oil type:	ISO VG 19 ESTER

Engine's data

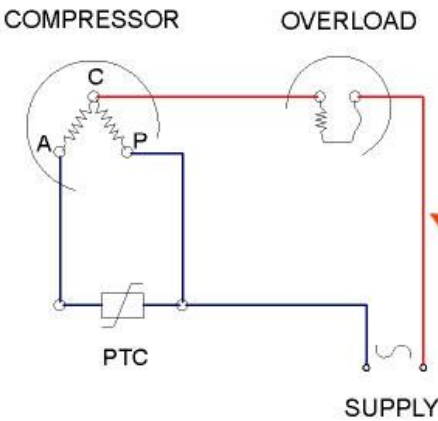
Engine type:	RSIR
Power [KM]:	1/5
Starting element:	LST
Power supply:	220V 50Hz
Voltage range:	187-264
Locked rotor current [A]:	10,9
Running winding resistance (25°C) [Ω]:	12,59
Starting winding resistance (25°C) [Ω]:	22,02

Electrical data

Relays:	3003
Shielding element:	MRA38028, T0508, AF18FU
Starting capacitor volume [μF]:	

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RSIR



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■ R134a

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE -23.3°C kcal/h	CECOMAF -25°C W	ASHRAE -23.3°C W/W	CECOMAF -25°C W/W	ASHRAE -23.3°C W/W	CECOMAF -25°C W/W
▶  GL45AA	LBP-R134a	1.8	43	A	96	82	1.06	0.92		
▶  GL45AN	LBP-R134a	1.8	50	C	96	81	1.05	0.9		
▶  GL60AA	LBP-R134a	1.6	43	A	132	114	1.14	0.99		
▶  GL60AF	LBP-R134a	1.6	43	D	132	113	1.07	0.82		
▶  GL60AH	LBP-R134a	1.6	43	A	133	114	1.31	1.01		
▶  GL60AN	LBP-R134a	1.6	50	C	132	114	1.07	0.93		
▶  GL70AA	LBP-R134a	1.5	43	A	146	128	1.18	0.92		
▶  GL70AN	LBP-R134a	1.5	50	D	150	129	1.08	0.83		
▶  GL70AT	LBP-R134a	1.5	43	E	144	122	1.09	0.84		
▶  GL75AA	LBP-R134a	1.5	43	A	155	133	1.18	0.92		
▶  GL80AA	LBP-R134a	1.5	43	A	173	148	1.16	0.93		
▶  GL80AF	LBP-R134a	1.5	43	D	166	141	1.14	0.88		
▶  GL80AH	LBP-R134a	1.5	43	A	175	150	1.35	1.06		
▶  GL80AN	LBP-R134a	1.4	43	A	196	168	1.36	1.06		
▶  GL90AA	LBP-R134a	1.4	43	A	195	167	1.19	0.93		
▶  GL90AH	LBP-R134a	1.4	43	A	215	182	1.36	1.06		
▶  GL90AN	LBP-R134a	1.4	50	D	190	169	1.1	0.85		
▶  GL90AT	LBP-R134a	1.4	43	E	190	161	1.19	0.92		
▶  GL99AA	LBP-R134a	1.4	43	A	214	182	1.24	0.98		
▶  GL99AH	LBP-R134a	1.4	43	A	215	182	1.36	1.06		
▶  GL80AD	LBP-R134a	1.5	43	W	0	0	0	0		
▶  GL90AD	LBP-R134a	1.4	43	W	0	0	0	0		



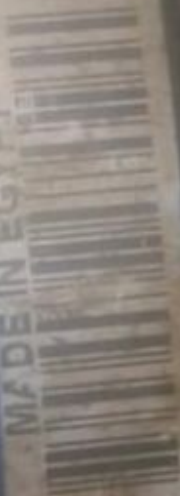
ZMC

EGL70AT 0707

200-220V-50Hz

R 134 a

MADE IN EGYPT



3 412

1387458

www.mbsm.pro, Beko Compressor, MTS170MT, R600A ,Capacity 170 kcal, 1/4HP , 197W ,LBP, LRA 12.6 A ,1PH ,BEKO FRIDGE & FREEZER

Category: compressor

written by www.mbsm.pro | 7 January 2021

www.mbsm.pro, Beko Compressor, MTS170MT, R600A ,1/4HP , 1PH ,

BEKO FRIDGE & FREEZER

More About This Product

Fitting

This product is manufactured and designed to be compatible or used with appliances of the brand or manufacturer listed above, or for selected commercial/domestic applications.

Other Information

None, at present.

Product Classification

This is a genuine original product made and supplied by the original equipment manufacturer (OEM). In order to maintain a valid warranty it is recommended to always use genuine original products. Genuine original products are specifically manufactured to increase the performance, functionality and life-span of your machine.

Manufacturer Information

We stock and supply a range of Beko, Blomberg, Flavel, Leisure Arcelik Group products.

Beko has become one of the fastest growing brands in the UK offering today an extensive product range including refrigeration, laundry, dishwashers and television. Second largest brand in Turkey, its home market, Beko continues to develop the mission and the reputation to serve customers with innovative products that genuinely surprise them, like the New Xpress Washing machine. Beko has been operating in the UK & Ireland since 1990 and is the UK's Best-selling Large Home Appliance brand. Designed to make your life easier thanks to super-fast programmes and energy saving technology – Beko delivers exceptional value for money, providing smart, innovative and energy efficient home appliances.

Beko has achieved an average of 9 out of 10 review score from thousands of customer reviews for its range of American style fridge freezers, Built In Ovens and washing machines.

Consumables

Bulk Ordering

This product may be offered in bulk quantities, please refer to the box or pallet quantity in the specification box above. There may be a bulk discount available. In order to benefit from any discount available, add the box or pallet quantity (or multiples thereof) to your basket and the price will be updated automatically.

Related Items & Substitutes

Where available we may have an alternative or substitute product, or other items we think you may be interested in. Please see below.

Still Having Trouble?

If the information provided on this page still isn't sufficient for you to be certain it's what you require, please contact us for further assistance.



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TEE MTS 170 MT S222-17
220-240VA
LRA: 12.6 L
58982098 CL 09
R600a

MTS = SERIE

170 Capacity En Kcal
1 kilocalories/hour = 1.163
watts
170 Kcal * 1.163 = 197.71
197 = 1/4 hp



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Compresseur, SC15B, R-12, 3/8HP, 230V
, 104L , 2830 , 220-240V , 50HZ , 1PH,
LBP/HBP , Compressor DANFOSS

Category: Technologie, Tester ok

written by www.mbsm.pro | 7 January 2021

Compresseur SC15B R-12 3/8HP 230V , 104L , 2830 , 220-240V , 50HZ , 1PH, LBP/HBP
, Compressor DANFOSS

Compresseur, Samsung , 1/5 HP,
155/160w , r600a , 220/240v~50,
Mk4a5qr1u, Mk4a5q-R1u, 5.5Lra, 1PHASE

Category: Technologie, Tester ok

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Compresseur, Samsung , 1/5 HP, 155/160w , r600a , 220/240v~50, Mk4a5qr1u, Mk4a5q-

R1u, 5.5Lra, 1PHASE

230V ,compressor, Danfoss ,SC15MFX ,
made by Secop, R134a ,refrigeration,
CSIR , Moteur HP , R134a ,3 / 8HP
,HMBP ,1PH

Category: Technologie,Tester ok

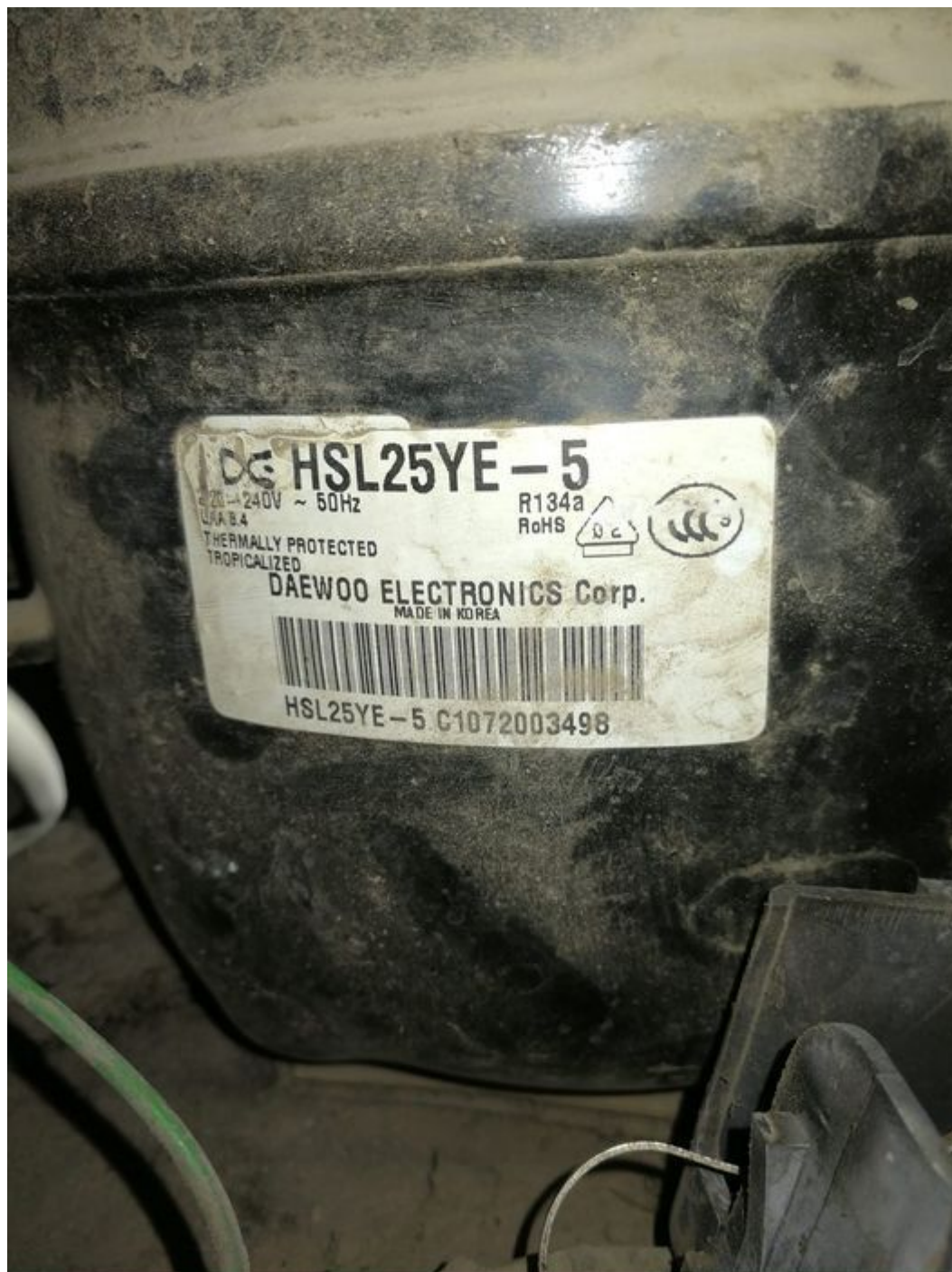
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230V ,compressor, Danfoss ,SC15MFX , made by Secop, R134a ,refrigeration, CSIR ,
Moteur HP , R134a ,3 / 8HP ,HMBP ,1PH

DAEW00 Compressor , HSL25YE-5, 1/4HP,
1PH, R134a ,220-240V 50Hz, Puissance
frigorigifique, 204 W ,690 BTU

Category: Technologie,Tester ok

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DAEWOO Compressor , HSL25YE-5, 1/5HP , 1PH, R134a ,220-240V 50Hz,Puissance frigorifique 176 W

Compressor ELECTROLUX, CUBIGEL
,GP12TB ,Hermetic piston ,ACC ,HMBP ,
moteur HP , 3/8 HP++, 1/2 hp- , 1PH ,
R134A , Pression 1.7 Bar , 220V

Category: compressor,Technologie,Tester ok

	Model	Refr.	HP
▶ <input type="checkbox"/>	<u>GL45PB</u>	HMBP::R134a	1/6
▶ <input type="checkbox"/>	<u>GL45PB</u>	HMBP::R134a	1/6
▶ <input type="checkbox"/>	<u>GL45TB</u>	HMBP::R134a	1/6
▶ <input type="checkbox"/>	<u>GL60PB</u>	HMBP::R134a	1/5
▶ <input type="checkbox"/>	<u>GL60TB</u>	HMBP::R134a	1/5
▶ <input type="checkbox"/>	<u>GL80PB</u>	HMBP::R134a	1/5
▶ <input type="checkbox"/>	<u>GL80TB</u>	HMBP::R134a	F
▶ <input type="checkbox"/>	<u>GL90TB</u>	HMBP::R134a	1/4
▶ <input type="checkbox"/>	<u>GP12TB</u>	HMBP::R134a	3/8

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Compressor ELECTROLUX, CUBIGEL GP12TB ,Hermetic piston ,ACC ,HMBP , moteur HP , 3/8 HP , 1PH , R134A , Pression 1.7 Bar