

Mbsm.pro , L76AV ,Compresseur, 1/5 HP
,149W, R12 ,E80101 ,Zem ,HMBP
,Hermetic piston compressors ,
220V/50 , 1PH(phase)

Category: Solutions,Tester ok
written by Jamila | 8 October 2018



PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , L76AV ,Compresseur, 1/5 HP ,149W, R12 ,E80101 ,Zem ,HMBP ,Hermetic
piston compressors , 220V/50 , 1PH(phase)

Mbsm.pro , COMPRESSOR TECUMSEH,
CAJ4511Y, R134a, HMBP(HBP – High Back
Pressure),1 HP, 1PH, 220-240 VOLTS ,
High Start Torque (HST) ,

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PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , COMPRESSOR TECUMSEH,

L'unité hermetique Compressor

CAJ4511Y, R134a, HMBP(HBP – High Back Pressure), 1 HP, 1PH, 220-240 VOLTS , High Start Torque (HST)

Condensateur Perm./ Run capacitor : 15 μ F / 400 V

Données techniques

- Modèle: **CAJ4511Y**
- Gaz: **R-134a**
- Température/Pression: **Haute Pression**
- Puissance: **1 HP**
- Voltage: **230 V**
- Type De Courant: **Monophasé**
- Fréquence: **50 Hz**
- Type De Compresseur: **Hermétique**
- Décalage: **32.7 cm³**
- Cons.Énergie -5°C: **920 W**
- Cons.Énergie 0°C: **1030 W**
- Cons.Énergie +5°C: **1140 W**
- Cons.Énergie +10°C: **1250 W**
- T° De Condensation: **55 °C**
- Capacidad Frigorífica -5°C: **1376 Kcal/h**
- Capacidad Frigorífica 0°C: **1737 Kcal/h**
- Capacidad Frigorífica 5°C: **2150 Kcal/h**
- Capacidad Frigorífica 7.2°C: **2347 Kcal/h**
- Capacidad Frigorífica 10°C: **2614 Kcal/h**
- Tipo Test: **EN.12900**



PictureS Mbsm Dot Pro : www.mbsm.pro



PictureS Mbsm Dot Pro : www.mbsm.pro

MBSM.PRO , Compressor, Electrolux-Zem
GL60AA R134A , 1/6 HP , 1PH , 220-240

V 50 Hz

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MBSM.PRO , Compressor, Electrolux-Zem GL60AA R134A ,1/6 HP , 1PH , 220-240 V 50 Hz



Picture5 Mbsm Dot Pro : www.mbsm.pro

- Puissance en cheval 1/6 CV
- Cylindrée 5.99 cm³
- 220-240 V 50 Hz
- Gaz R134a LBP
- Température d'utilisation max. 32°C
- Avec boîtier et système de démarrage

La photo montre l'aspect du compresseur, pas son étiquette réelle

Codes fabricants

- ACC-GL60AA
- ACC-GL60AB
- ACC-GL60AH
- CUBIGEL-GL60AA
- CUBIGEL-GL60AB
- CUBIGEL-GL60AH
- MONDIAL ELITE-4106004
- MONDIAL ELITE-1147031
- Embraco Aspera- B1112Z





PictureS Mbsm Dot Pro : www.mbsm.pro



PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm_dot_pro_private_PDF_GL60AATélécharger
Mbsm_dot_pro_private_PDF_-GL60AATélécharger

590689

GL60AA 99H271A

GL60AA

08283

03254

267799

THERMALLY 220 - 240 V~ 50 Hz PH1
PROTECTED

R134a



CE H



Type: Hermetic piston compressors **Producer:** ACC **Series:** HMBP

Model: GL60AA

General data

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

Compressor's data

Cylinder capacity [cm³]: 6
Displacement [m³/h]: 1
Weight [kg]: 9,1
Oil charge [cm³]: 265
Oil type: ISO VG 19 ESTER

Engine's data

Engine type: RSIR
Power [KM]: 1/6
Starting element: LST
Power supply: 220V 50Hz
Voltage range: 187-264
Locked rotor current [A]: 9,9
Running winding resistance (25°C) [Ω]: 15,6
Starting winding resistance (25°C) [Ω]: 21,31

Electrical data

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

Connections

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

**Mbsm.pro , Qb73c15gax5 ,R134a ,
Refrigeration Compressor ,1/4 Hp,
Panasonic compressor catalogue, QB
series , 1Ph , 220V 50Hz**

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PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , Qb73c15gax5 ,R134a , Refrigeration Compressor ,1/4 Hp, Panasonic compressor catalogue, QB series , 1Ph , 220V 50Hz

| Rated voltage / Frequency | Model | ASHRAE | | | | | | | | Voltage range |
|---------------------------|-------------|----------|---------|----------|------|----------|---------|----------|------|----------------------------------|
| | | 50Hz | | | | 60Hz | | | | |
| | | Capacity | | COP - WW | | Capacity | | COP - WW | | |
| | | W | kcal/hr | RSIR | RSCR | W | kcal/hr | RSIR | RSCR | |
| 220V 50Hz/60Hz | QB51C99GAX0 | 128 | 110 | 1.14 | - | 157 | 135 | 1.17 | - | 170V-250V 50Hz 187V-242V 60Hz |
| | QB57C11GAX0 | 146 | 126 | 1.18 | - | 175 | 151 | 1.22 | - | |
| | QB66C16GAX0 | 165 | 142 | 1.20 | - | 200 | 172 | 1.27 | - | |
| | QB77C18GAX0 | 202 | 174 | 1.21 | - | 224 | 193 | 1.27 | - | |
| | QB91C24GAX0 | 236 | 203 | 1.19 | - | 255 | 219 | 1.22 | - | |
| 220V 50Hz | QB66C13GAX5 | 165 | 142 | 1.19 | - | | | | | 170V-250V |
| | QB73C15GAX5 | 185 | 159 | 1.19 | - | | | | | |
| | QB77C16GAX5 | 202 | 174 | 1.22 | - | | | | | |
| | QB91C19GAX5 | 236 | 203 | 1.25 | - | | | | | |



| Rated voltage / Frequency | Model | ASHRAE | | | | | | | | Voltage range |
|---------------------------|--------------|----------|---------|----------|------|----------|---------|----------|------|----------------------------------|
| | | 50Hz | | | | 60Hz | | | | |
| | | Capacity | | COP - WW | | Capacity | | COP - WW | | |
| | | W | kcal/hr | CSIR | RSCR | W | kcal/hr | CSIR | RSCR | |
| 220V 50z/60Hz | QB110C25CAX0 | 273 | 235 | 1.18 | - | 279 | 240 | 1.19 | - | 170V-250V 50Hz 198V-242V 60Hz |

PictureS Mbsm Dot Pro : www.mbsm.pro

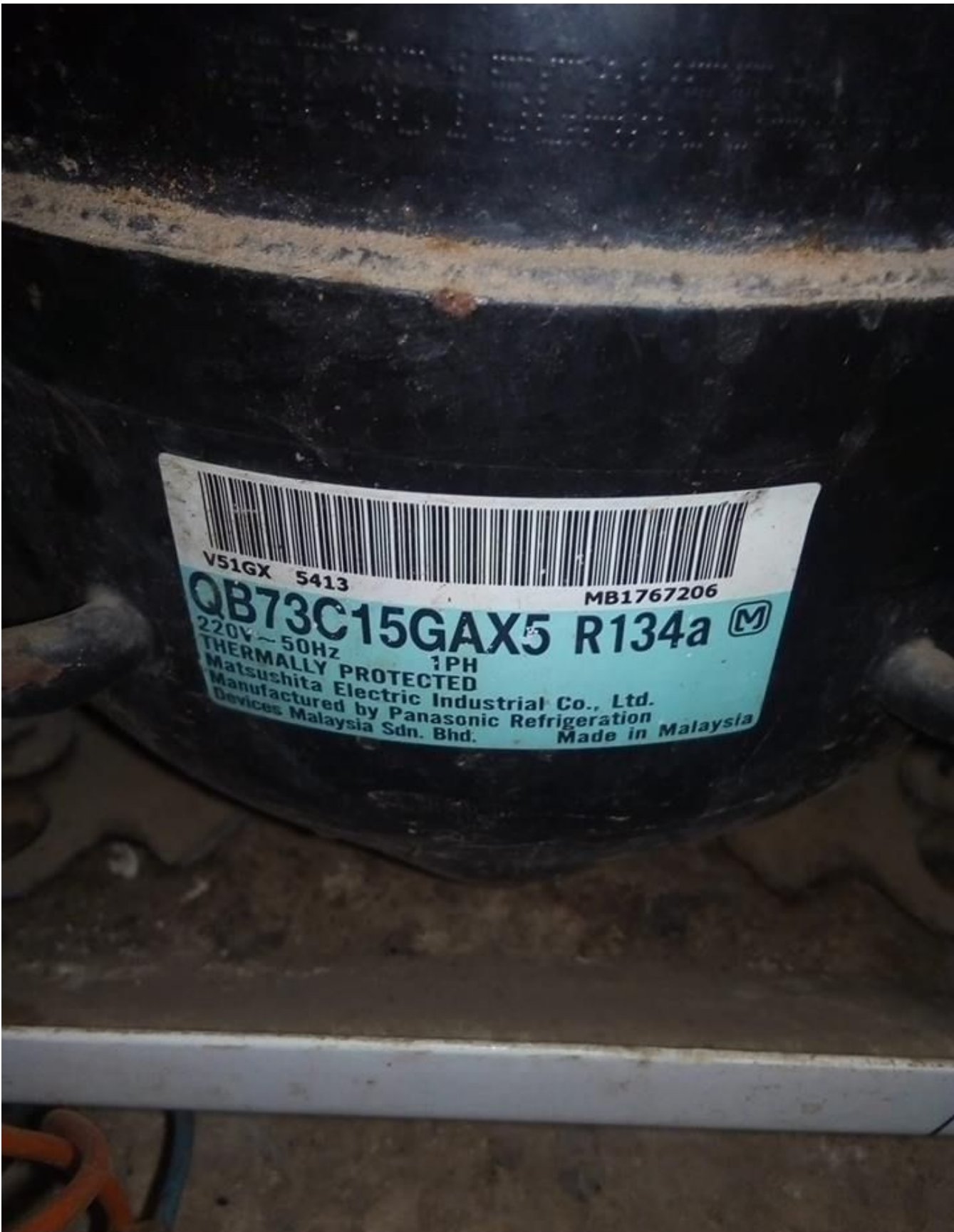


PictureS Mbsm Dot Pro : www.mbsm.pro

Performance DATA

Application & Refrigerant LBP R134a

| Voltage | Model | Displacement cm ³ | *2) Capacity (W) | | | | | *3) C.O.P. | | *4) Motor type | Compressor cooling *5) | | | Net weight kg | | Oil charge cm ³ | |
|-------------------------|--------------|---------------------------------|-------------------------|-------|---------|-------|-------|------------|------|-------------------|------------------------|----|----|------------------|------|-------------------------------|-----|
| | | | Evaporating temperature | | | | | NO | YES | | ST | OC | FC | ST/FC | OC | ST/FC | OC |
| | | | -30°C | -25°C | -23.3°C | -20°C | -15°C | | | | | | | | | | |
| *6) 100V 50/60Hz | QB57C88RA00 | 5.65 | 118 | 161 | 178 | 213 | 271 | 1.27 | 1.33 | RSIR/RSCR | O | - | O | 9.1 | - | 250 | - |
| | QB66C12CA00 | 6.55 | 119 | 164 | 185 | 219 | 293 | 1.19 | - | CSIR | - | - | O | 8.8 | - | 250 | - |
| | QB66C13RA00 | 6.55 | 133 | 182 | 200 | 239 | 304 | 1.28 | 1.37 | RSIR/RSCR | O | - | O | 9.4 | - | 280 | - |
| | QB86C18TA00 | 8.56 | 170 | 226 | 248 | 295 | 376 | - | 1.35 | CSCR | - | - | O | 9.9 | - | 280 | - |
| | QB91C18CA00 | 9.07 | 163 | 226 | 251 | 303 | 394 | - | 1.21 | CSIR | - | - | O | 9.6 | - | 250 | - |
| 220V 50Hz | QB66C13GAX5 | 6.55 | 108 | 149 | 165 | 200 | 263 | 1.23 | - | RSIR | O | - | - | 9.2 | - | 250 | - |
| | QB73C15GAX5 | 7.27 | 121 | 167 | 185 | 224 | 294 | 1.23 | - | RSIR | O | O | - | 9.7 | 9.9 | 250 | 300 |
| | QB77C16GAX5 | 7.69 | 131 | 182 | 202 | 245 | 319 | 1.26 | - | RSIR | O | O | - | 9.8 | 10.0 | 250 | 300 |
| | QB86C18GAX5 | 8.56 | 145 | 200 | 222 | 268 | 347 | 1.26 | - | RSIR | O | O | O | 9.9 | 10.1 | 250 | 300 |
| | QB91C19GAX5 | 9.07 | 154 | 213 | 236 | 285 | 372 | 1.29 | - | RSIR | O | O | O | 10.2 | 10.5 | 250 | 300 |
| | QB110C25GAX5 | 10.86 | 176 | 246 | 273 | 331 | 432 | 1.18 | - | RSIR | - | O | O | 10.4 | 10.6 | 250 | 300 |
| *4) 220-240V 50Hz | QB51C74GAW5 | 5.10 | 84 | 116 | 128 | 153 | 196 | 1.21 | - | RSIR | O | - | - | 8.7 | - | 250 | - |
| | QB57C87GAW5 | 5.65 | 97 | 132 | 146 | 175 | 225 | 1.23 | - | RSIR | O | - | - | 8.9 | - | 250 | - |
| | QB66C97GAW5 | 6.55 | 108 | 149 | 165 | 200 | 263 | 1.25 | - | RSIR | O | O | - | 9.2 | - | 250 | - |
| | QB73C12GAW5 | 7.27 | 121 | 167 | 185 | 224 | 294 | 1.26 | - | RSIR | O | O | - | 9.7 | - | 250 | - |
| | QB77C13GAW5 | 7.69 | 131 | 182 | 202 | 245 | 319 | 1.27 | - | RSIR | O | O | - | 9.8 | - | 250 | - |
| | QB86C13GAW5 | 8.56 | 145 | 200 | 222 | 268 | 347 | 1.27 | - | RSIR | O | O | O | 9.9 | - | 250 | - |
| | QB91C16GAW5 | 9.07 | 154 | 213 | 236 | 285 | 372 | 1.28 | - | RSIR | O | O | O | 10.0 | - | 250 | - |



PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , Fn77q17g , 1/4Hp , Electrostar , R12 Refrigerator Compressors , 220V/50-60Hz , 1Ph ,for Refrigerator/Freezer

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Mbsm.pro , Fn77q17g , 1/4Hp , Electrostar , R12 Refrigerator Compressors ,
220V/50-60Hz , 1Ph ,for Refrigerator/Freezer



PictureS Mbsm Dot Pro : www.mbsm.pro

- 1)SO60LKAA OR equivalent in 1/10 HP
- 2)FN43Q88G OR equivalent in 1/8 HP
- 3)FN51Q10G OR equivalent in 1/6 HP
- 4)FN57Q12G OR equivalent in 1/5 HP
- 5)FN66Q14G OR equivalent in 1/5 HP Powerful
- 6)FN77Q17G OR equivalent in 1/4 HP
- 7)FN91Q20G OR equivalent in 1/4 HP Powerful
- 8)FN110Q24G OR equivalent in 1/3 HP



PictureS Mbsm Dot Pro : www.mbsm.pro

Compressor tests - Calorimeter

| Type | | FN77Q17G 1) | QA77C17GAX5 | QA91C22GAX5 |
|-------------------|----------|--------------|------------------------|---------------------|
| Parameter | | | | |
| Evaporation temp. | [°C] | LBP -23,3 | LBP -25 2) -23,3 | LBP -25 -23,3 |
| Refrigerant | | R12 | R134a | R134a |
| Q _o | | | | |
| CECOMAF | [W] | | 116,7 | 135 |
| ASHRAE | [W] | 191 | 154,2 | 187,1 |
| ASHRAE | [kcal/h] | 165 | 132,6 | 161 |
| P ₁ | | | | |
| CECOMAF | [W] | | 144,1 | 166,4 |
| ASHRAE | [W] | 180 | 148,4 | 171,4 |
| COP | | | | |
| CECOMAF | [W/W] | | 0,81 | 0,81 |
| ASHRAE | [W/W] | 1,06 | 1,04 | 1,09 |
| Start test | | | | |
| cold tw = 32 °C | | - | o.k | o.k |
| warm tw = 100 °C | | - | o.k | o.k |

1) Leaflet data, original compressor

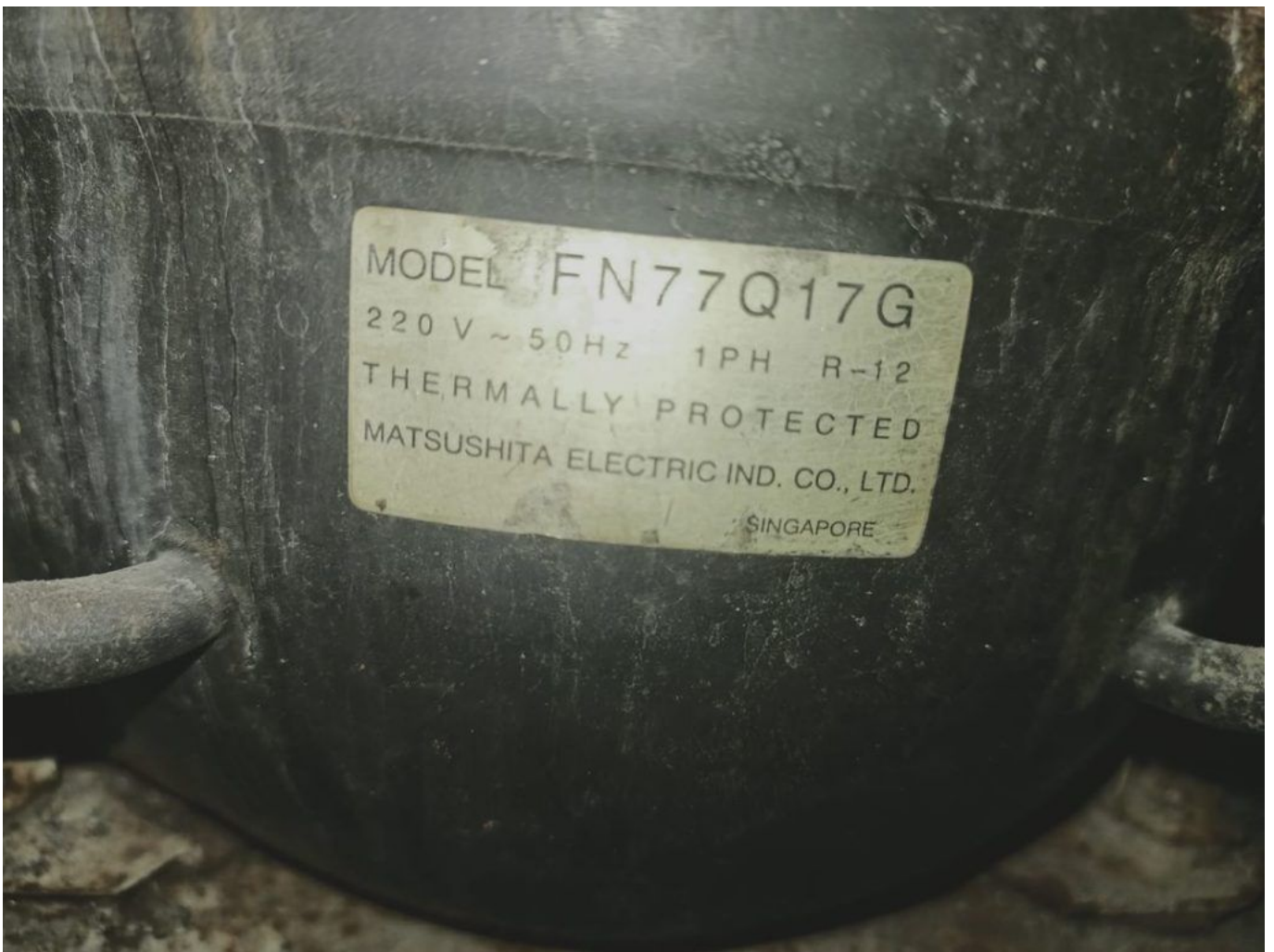
2) average two compressors, measuring



- 1) S060LKAA OR equivalent in 1/10 HP
- 2) FN43Q88G OR equivalent in 1/8 HP
- 3) FN51Q10G OR equivalent in 1/6 HP
- 4) FN57Q12G OR equivalent in 1/5 HP
- 5) FN66Q14G OR equivalent in 1/5 HP Powerful
- 6) FN77Q17G OR equivalent in 1/4 HP
- 7) FN91Q20G OR equivalent in 1/4 HP Powerful
- 8) FN110Q24G OR equivalent in 1/3 HP



PictureS Mbsm Dot Pro : www.mbsm.pro



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Mbsm.pro , COMPRESSEUR , SC18CLX.2
,DANFOSS SECOP, R404A/R507, 5/8HP
,1PH ,Deep Freeze Comptoire,
Alimentation 220-240 V 50 Hz

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PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , COMPRESSEUR , SC18CLX.2 ,DANFOSS SECOP, R404A/R507, 5/8HP ,1PH ,Deep Freeze Comptoire, Alimentation 220-240 V 50 Hz

Mbsm.pro , Qb91c19gax5 , 1/4 hp,
qb110c21rpx5, 1/3 hp, Panasonic
,Compressor cooling ,1Ph ,220V

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PictureS Mbsm Dot Pro : www.mbsm.pro

Mbsm.pro , Qb91c19gax5 ,Panasonic ,Compressor cooling , 1/3HP ,236W ,1Ph ,220V

Mbsm.pro, Réfrigérateur, remplacement d'un moteur, R600a ,par un ,moteur R134a

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Bonsoir, MBSM.PRO|

le remplacement d'un compresseur R600A par un compresseur R134A est possible a condition:

- de rincer le circuit frigorifique a l'azote ou R22 et pas avec l'air comprimé car il contient de l'humidité .
- remplacer bien évidemment le deshydrateur (filtre)
- de charger correctement (ni plus, ni moins).

il est conseillé et préférable de remplacer le compresseur par un équivalent (faute de trouver le même), fonctionnant au même gaz!

il faudrait mettre le double de r134a par rapport au r600a ,85/90 grammes,contrôler la pression (0.2 bars de r134a en fonctionnement stabilisé),mais ce n'est pas certain que cela fonctionne bien car le capillaire (longueur et diamètre intérieur) est différent suivant les fluides utilisés car la perte de charge n'est pas la même.

Il faut changer le capillaire

La Température avec le capillaire de r600a ne dépassera 16 degrés Celsius

PictureS Mbsm Dot Pro : www.mbsm.pro

Bonsoir, MBSM.PRO

le remplacement d'un compresseur R600A par un compresseur R134A est possible a condition:

www.mbsm.pro , compressor, R134a , ff16hak ,170 watt ,1/4 HP ,1PH

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PictureS Mbsm Dot Pro : www.mbsm.pro

www.mbsm.pro , compressor, R134a ,ff16hak ,170 watt ,1/4 HP ,1PH