

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

Category: Solutions,Tester ok  
written by Jamila | 28 September 2018



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

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



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



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Compressor tests - Calorimeter

| Type              |          | FN77Q17G 1)  | QA77C17GAX5            | QA91C22GAX5         |
|-------------------|----------|--------------|------------------------|---------------------|
| Parameter         |          |              |                        |                     |
| Evaporation temp. | [°C]     | LBP<br>-23,3 | LBP<br>-25 2)    -23,3 | LBP<br>-25    -23,3 |
| Refrigerant       |          | R12          | R134a                  | R134a               |
| Q <sub>o</sub>    |          |              |                        |                     |
| CECOMAF           | [W]      |              | 116,7                  | 135                 |
| ASHRAE            | [W]      | 191          | 154,2                  | 187,1               |
| ASHRAE            | [kcal/h] | 165          | 132,6                  | 161                 |
| P <sub>1</sub>    |          |              |                        |                     |
| 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

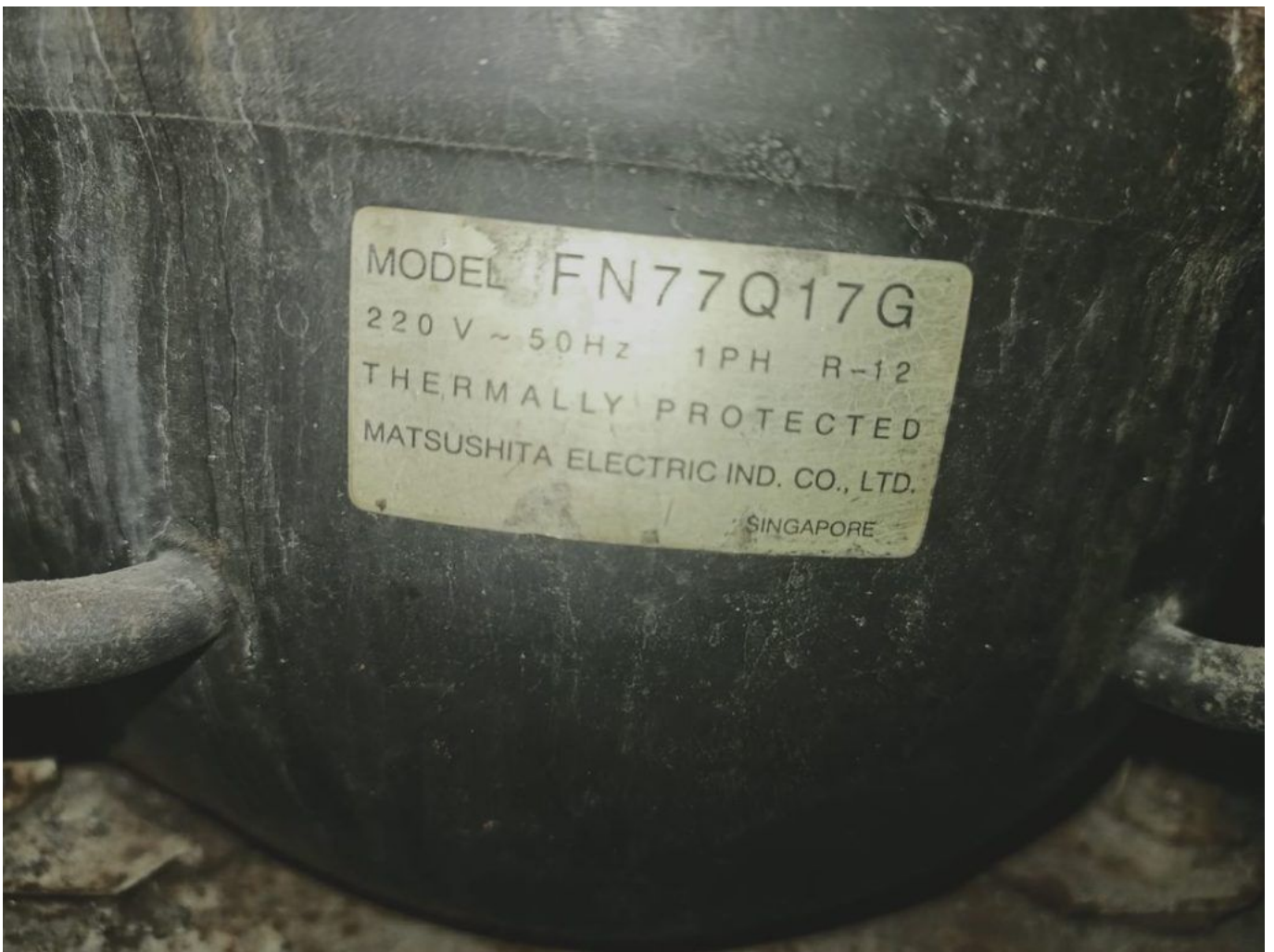
2) average two compressors, measuring



- 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



MODEL FN77Q17G  
220V ~ 50Hz 1PH R-12  
THERMALLY PROTECTED  
MATSUSHITA ELECTRIC IND. CO., LTD.  
SINGAPORE



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