

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



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)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



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Compressor tests - Calorimeter

| Parameter         | Type     | FN77Q17G 1)  | QA77C17GAX5         | QA91C22GAX5      |
|-------------------|----------|--------------|---------------------|------------------|
| Evaporation temp. | [°C]     | LBP<br>-23,3 | LBP<br>-25 2) -23,3 | LBP<br>-25 -23,3 |
| Refrigerant       |          | R12          | R134a               | R134a            |
| Qo                |          |              |                     |                  |
| 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



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