

**Fn91q20g , 1/4Hp ,  
Electrostar , R12  
Refrigerator Compressors ,  
220V/50-60Hz , 1Phase ,for  
Refrigerator/Freezer**

written by Lilianne | 30 April 2020

Fn91q20g , 1/4Hp , Electrostar , R12 Refrigerator Compressors  
, 220V/50-60Hz , 1Phase ,for Refrigerator/Freezer

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**Mbsm.pro , Fn77q17g , 1/4Hp ,  
Electrostar , R12  
Refrigerator Compressors ,  
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Refrigerator/Freezer**

written by Jamila | 30 April 2020



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

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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

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 <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

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