

BF-60 R/M8

RUBBER MOUNT FOR AIR CONDITIONERS AND HEATING UNITS

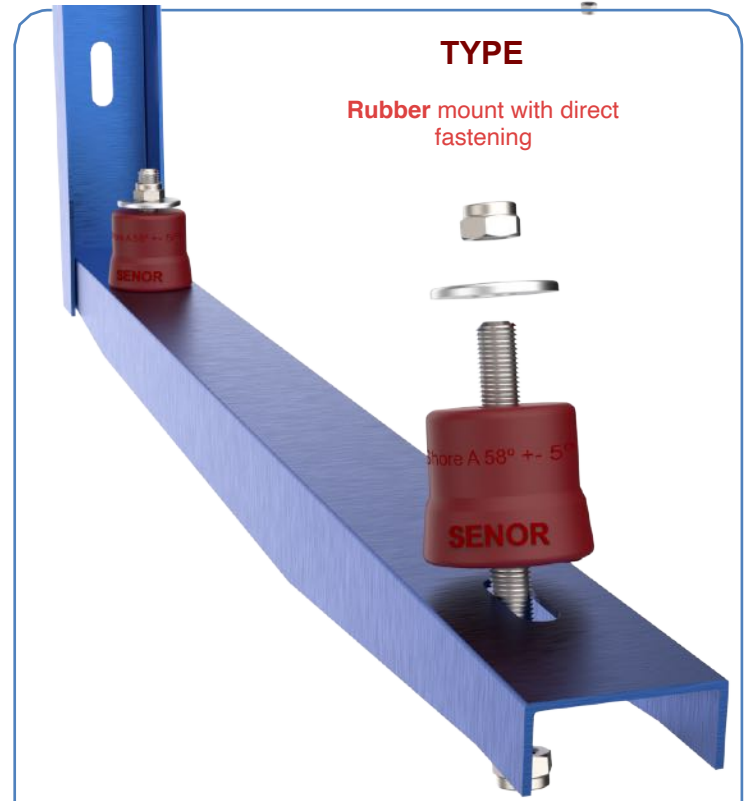
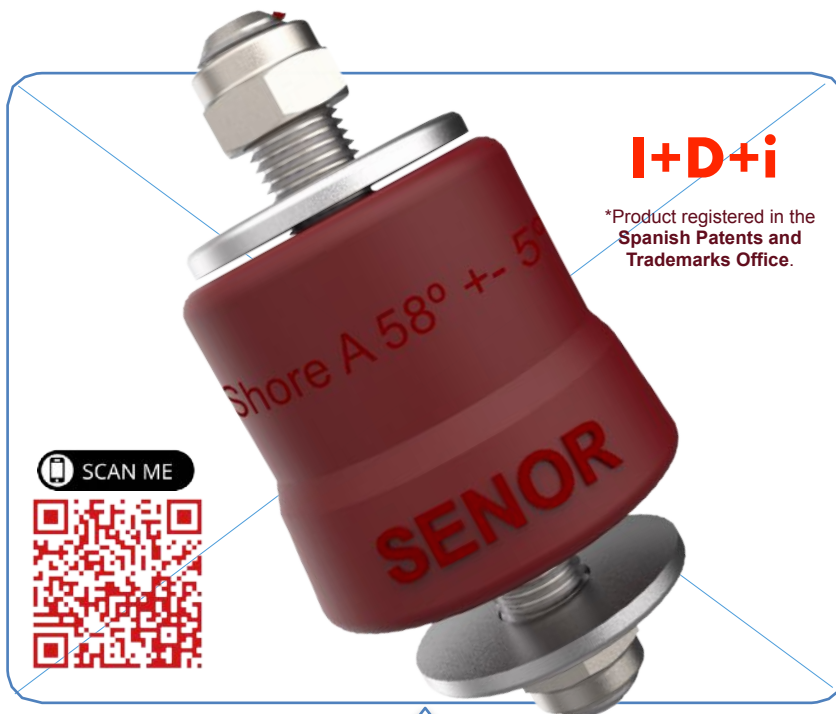
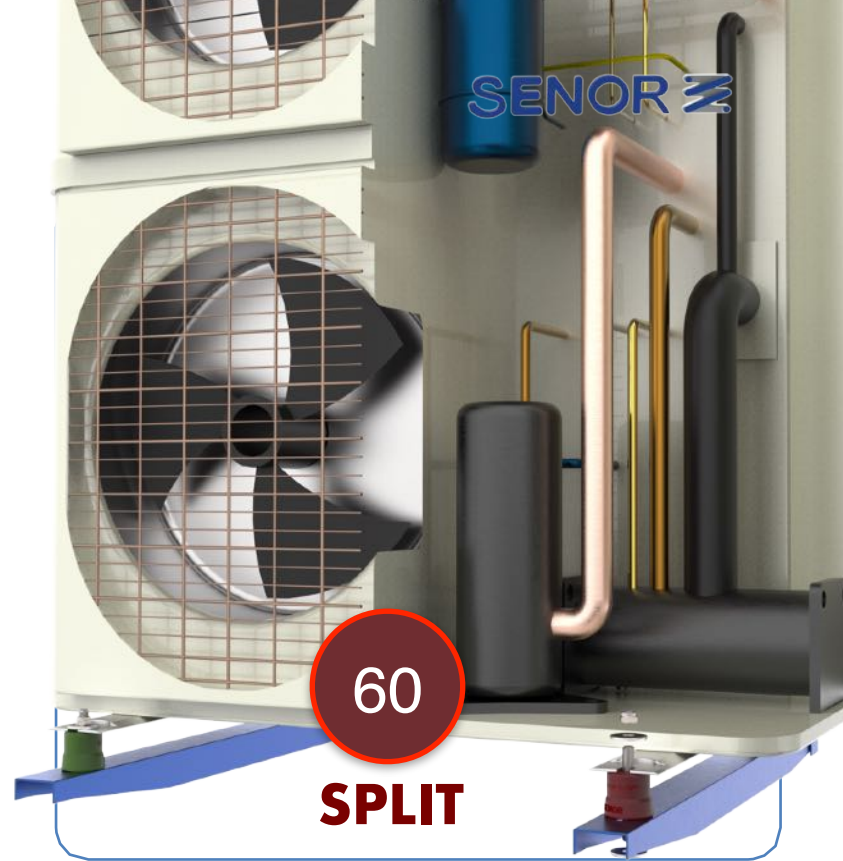
The **BF-60 R/M8** model is a rubber mount made with high quality raw materials and with the last technology. It is designed to support heating and air conditioners units outside buildings.

The **BF-60 R/M8** model is a mount with direct fastening and double locking screw (metric 8). It is designed to eradicate and attenuate vibrations transmission caused by impacts or blows from units producing noise pollution above the hearing threshold (**1200 rpm or 20 Hz**).

●The polymer: this mount is composed of a polymer named **KRAIBURG-TPE** which is tested according to the Spanish Standard **UNE-EN ISO 10846-1:2009**.


✓Its ergonomic design allows a better axial compression.

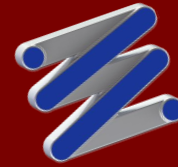
✓Resonance frequency **7-15 Hz**.



USE

It is designed to support air conditioners units and heating on brackets outside buildings.

REF.	COLOUR	METRIC MIN-MAX	UNITS	LOAD (Kg) MIN-MAX	PACKING
SE-BF-60 R		8	Bracket	45 - 60	4



Laboratory test UNE-EN ISO 10846-1:2009

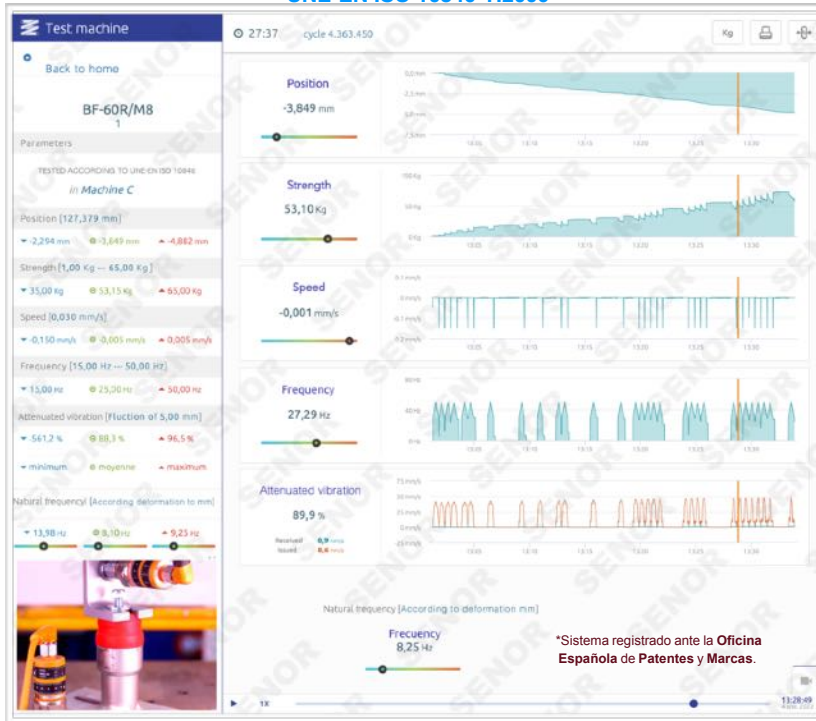


Chart 1

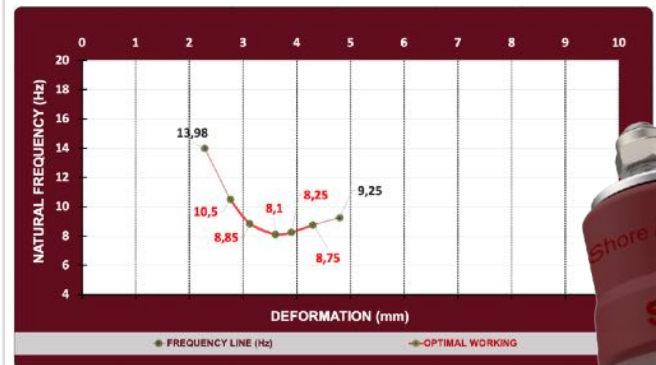
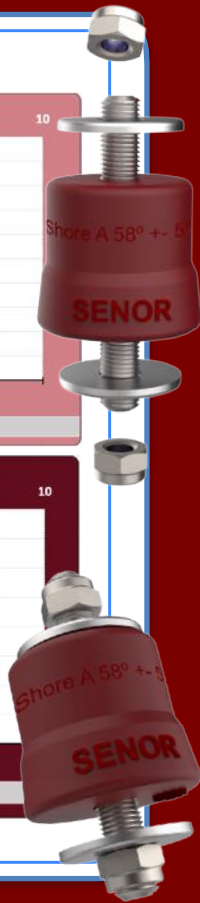


Chart 2



Results table

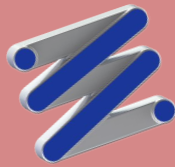
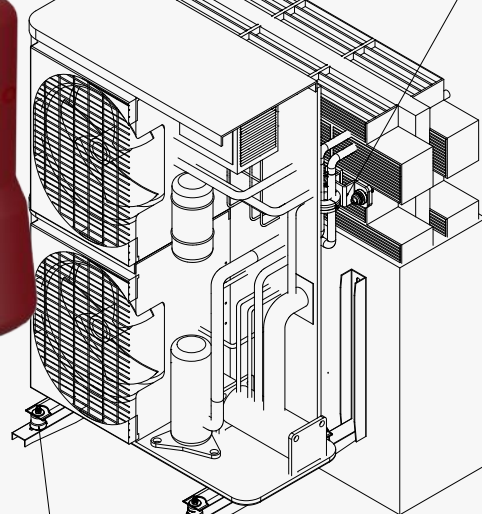
LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
			25	50	54,50	91,52
35	2,29	13,98	25	50	54,50	91,52
40	2,76	10,50	25	50	78,58	95,39
45	3,12	8,85	25	50	85,67	96,77
50	3,60	8,10	25	50	88,27	97,30
55	3,90	8,25	25	50	87,78	97,20
60	4,30	8,75	25	50	86,04	96,84
65	4,8	9,25	25	50	84,14	96,46



Datasheet

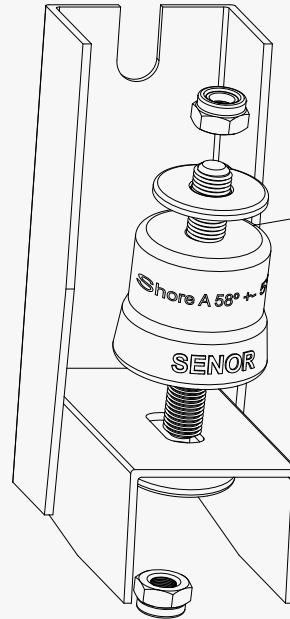
TC6EXN		THERMOLAST® K
Product		
Compound	TC6EXN	
Color / RAL	Red	
Processing	Extrusion, Injection	
Mechanical		
Hardness	58° + 5° Shore A	DIN ISO 7619-1
Density	1.190 g/cm ³	DIN EN ISO 1183-1
Tensile Strength ¹	7.0 MPa	DIN 53504/ISO 37
Elongation at Break ¹	675 %	DIN 53504/ISO 37
Tear Resistance	19.0 N/mm	ISO 34-1 Methode B (b)

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse
All values published in this data sheet are rounded average values.

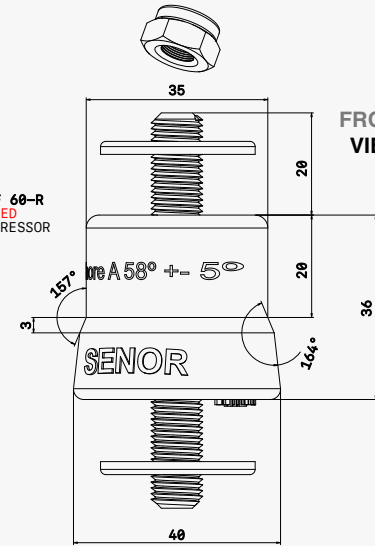
SPLIT**Ref. BF-60 R/M8****3D
VIEW**
ELASTIC FASTENING FOR PIPES
 1x Ref. SE-TAV-4000/6

FAN AREA
 2x Ref. SE-BF 35 V/M8

COMPRESSOR AREA
 2x Ref. SE-BF 60 R/M8

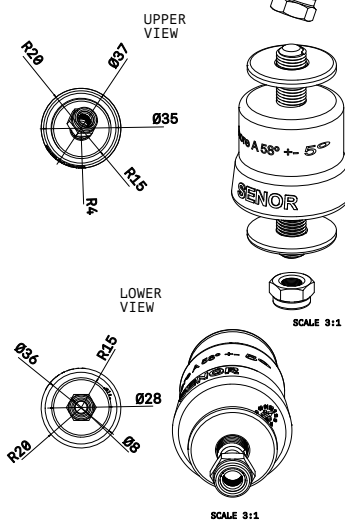
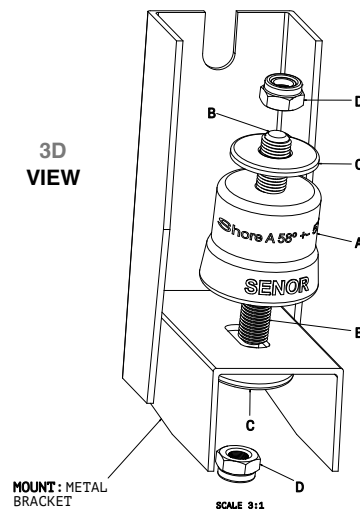
SCALE 1:3


Ref. SE-BF 60-R
COLOUR: RED
AREA: COMPRESSOR

SCALE 3:1

**FRONT
VIEW**

SCALE 4:1

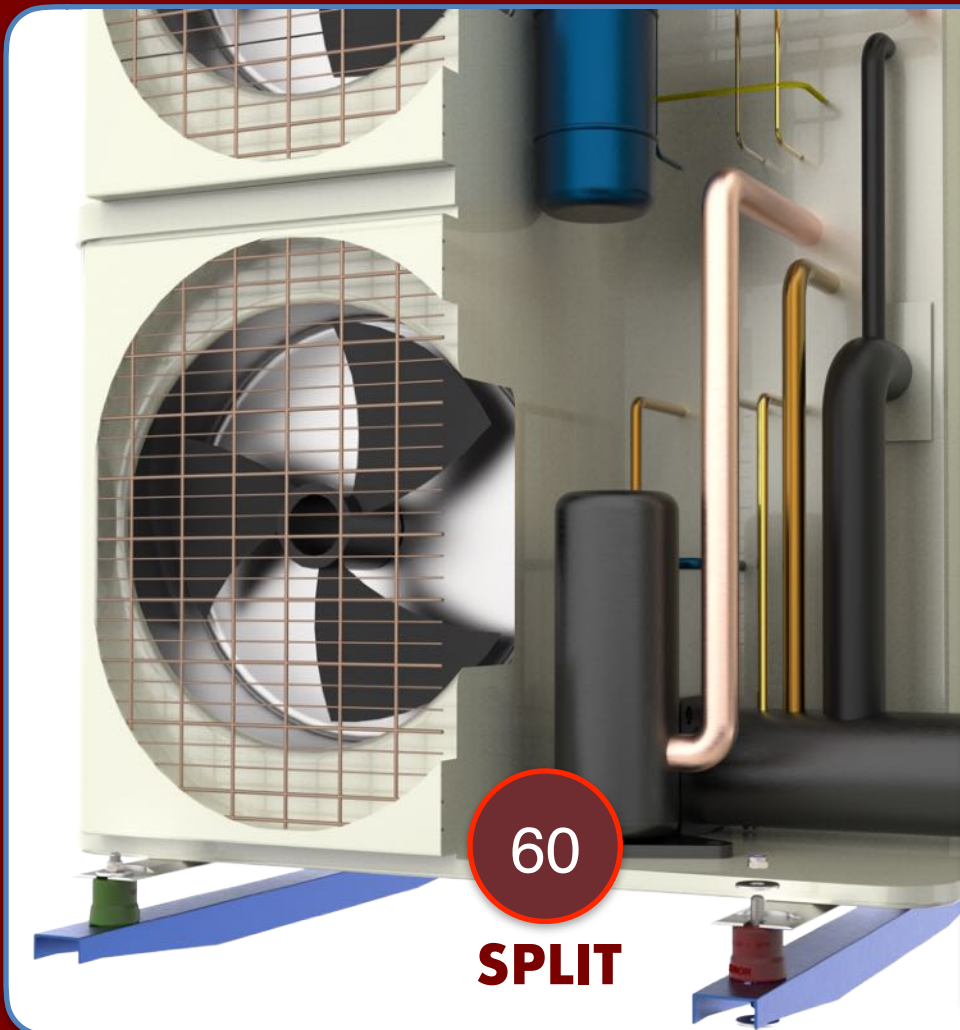
**PLAN
VIEW****3D
VIEW****MATERIALS**

This mount is composed of:

- A: 1x - The polymer **KRAIBURG-TPE / TC3GPN**.
Hardness: 58 +/- 5° SHORE A. Colour: **Red**.
Hardness according to ISO 48-4 or DIN ISO 7619-1.
- ✓ Resonance frequency: **7-15 Hz**.
- B: 2x - **Locking screws 8x26** made of zinc galvanised steel with metric 8.
- C: 2x - **Wide flange washer DIN-9021** made of zinc galvanised steel metric 8.
- D: 2x - **Self-locking nut DIN-985 C.6** made of zinc galvanised steel metric 8.



Ref. BF-25 G/M8



Note

POSITIONS

The gravity center of units does not usually run into the geometric center.

These units has severals pieces inside such as: compressor, pipes connection, fans, etc.

As a result, the 70 % of the weight is in compressor area while the rest, the 30 %, is in the fan area. Therefore, we can not put 4 identical mounts.

The acoustic response of the mount is obtained from axial deformation, so we have to put the correct mount in each support point.

The BF/M8 model has 4 hardness distinguished by colours:

- GREY: 5 kg up to 25 kg.
- GREEN: 20 kg up to 35 kg.
- BLUE: 35 kg up to 45 kg.
- RED: 45 kg up to 60 kg.

60

SPLIT



SCAN ME



SENOR certifies

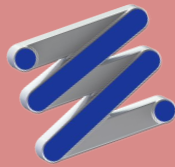
Ref. BF-60 R/M8

SENOR reserves the right to make changes in specifications at any time without prior notice. It is a responsibility of the user to use the latest and updated version of the product data sheet.

A copy of which will be available on request.

The Standard: UNE-100-153-04

Uses: Air conditioning. Vibration isolators. Design criteria.

SPLIT**Ref. BF-60 R/M8****DEFORMATION AND BREAK TEST**

Applied load: 40,40 kg



Applied load: 60,70 kg



Applied load: 297,10 kg

Date:

SENOR 11 January 2022

Failure mode

This mounts exceeds the elastic limit by reaching **70,40 kg**. A higher load is applied and when 297,10 kg are reached the rubber is deformed and the test is concluded.

Conclusion

This mount is designed to bear loads between **45 kg** up to **65 kg** (maximum load). It strictly complies with standard **UNE-100-153-04** Air conditioning. Vibration isolators: design criteria.

**To what the test:**

SCAN ME

