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Summary of	FDCW60VNX-W	Reg. No.	012-C700109
Certificate Holder			
Name	Mitsubishi Heavy Industries Air Conditioning Europe		
Address	5 The Square	Zip	UB11 1ET
City	Uxbridge, Middlesex	Country	United Kingdom
Certification Body	RISE CERT		
Subtype title	FDCW60VNX-W		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.3 kg		
Certification Date	13.09.2021		
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017		

Model: FDCW60VNX-W + HSB60-W

Configure model	
Model name	FDCW60VNX-W + HSB60-W
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.08 kW	4.16 kW
El input	0.99 kW	1.36 kW
COP	5.16	3.06

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	137 %
Prated	4.80 kW	5.30 kW
SCOP	4.75	3.44
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.20 kW	4.80 kW
COP Tj = -7°C	3.06	1.95
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	2.60 kW	2.90 kW
COP Tj = +2°C	4.61	3.37
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	1.70 kW	1.90 kW
COP Tj = +7°C	6.18	4.63
Cdh Tj = +7 °C	0.980	0.990

Pdh Tj = 12°C	2.70 kW	2.60 kW
COP Tj = 12°C	7.96	6.14
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	4.80 kW	4.80 kW
COP Tj = Tbiv	2.24	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.24	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
WTOL	58 °C	58 °C
Poff	7 W	7 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2089 kWh	3193 kWh