Subtype FDCW60VNX-W

Certificate Holder	Mitsubishi Heavy Industries Air Conditioning Europe
Address	5 The Square
ZIP	UB11 1ET
City	Uxbridge, Middlesex
Country	GB
Certification Body	RISE CERT
Subtype title	FDCW60VNX-W
Registration number	012-C700397
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	03.06.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022
Testing laboratory	KIWA, NL

Model FDCW60VNX-W + HSB60-W	
Model name	FDCW60VNX-W + HSB60-W
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	5.10 kW	7.50 kW
El input	0.99 kW	2.82 kW
COP	5.16	2.64

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	190 %	137 %
Prated	4.80 kW	5.30 kW
SCOP	4.83	3.50
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	0.980
Pdh Tj = +2°C	2.60 kW	2.90 kW
COP Tj = +2°C	4.61	3.37
Cdh Tj = +2 °C	0.980	0.980

Pdh Tj = +7°C	1.70 kW	1.90 kW
COP Tj = +7°C	6.18	4.63
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.70 kW	2.60 kW
COP Tj = 12°C	7.96	6.14
Cdh Tj = +12 °C	0.980	0.980
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	0.980
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

Model FDCW60VNX-W + HMS60-W	
Model name	FDCW60VNX-W + HMS60-W
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

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

EN 14511-2 | Heating	Low temperature	Medium temperature
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El input	0.99 kW	2.82 kW
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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

Model FDCW60VNX-W + HMA60-W	
Model name	FDCW60VNX-W + HMA60-W
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	103 %
COP	2.58
Heating up time	01:18 h:min
Standby power input	38.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	192 l

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Defrost test	passed
Starting and operating test	passed

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