Subtype FDCW71VNX-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	FDCW71VNX-W
Registration number	012-C700264
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.84 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 FDCW71VNX-W + HSB100-W	
Model name	FDCW71VNX-W + HSB100-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	8.30 kW	8.50 kW
El input	1.93 kW	3.28 kW
COP	4.30	2.59

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	131 %
Prated	7.50 kW	7.00 kW
SCOP	4.57	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.70 kW	6.20 kW
COP Tj = -7°C	2.70	1.90
Cdh Tj = -7 °C	0.970	0.970
Pdh Tj = +2°C	4.10 kW	3.80 kW
COP Tj = +2°C	4.30	3.15
Cdh Tj = +2 °C	0.970	0.970

Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.20	4.70
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.60 kW	1.60 kW
COP Tj = 12°C	8.30	5.50
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.70 kW	6.20 kW
COP Tj = Tbiv	2.70	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.970
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	25 W	25 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.20 kW
Annual energy consumption Qhe	3450 kWh	4421 kWh

Model FDCW71VNX-W + HMS100-W	
Model name	FDCW71VNX-W + HMS100-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	8.30 kW	8.50 kW
El input	1.93 kW	3.28 kW
COP	4.30	2.59

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	131 %
Prated	7.50 kW	7.00 kW
SCOP	4.57	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.70 kW	6.20 kW
COP Tj = -7°C	2.70	1.90
Cdh Tj = -7 °C	0.970	0.970
Pdh Tj = +2°C	4.10 kW	3.80 kW
COP Tj = +2°C	4.30	3.15
Cdh Tj = +2 °C	0.970	0.970

Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.20	4.70
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.60 kW	1.60 kW
COP Tj = 12°C	8.30	5.50
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.70 kW	6.20 kW
COP Tj = Tbiv	2.70	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.970
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	25 W	25 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.20 kW
Annual energy consumption Qhe	3450 kWh	4421 kWh

Model FDCW71VNX-W + HMA100-W	
Model name	FDCW71VNX-W + HMA100-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	108 %
COP	2.57
Heating up time	1:27 h:min
Standby power input	58.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	197 l

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	8.30 kW	8.50 kW
El input	1.93 kW	3.28 kW
COP	4.30	2.59

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	180 %	131 %

Prated	7.50 kW	7.00 kW
SCOP	4.57	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.70 kW	6.20 kW
COP Tj = -7°C	2.70	1.90
Cdh Tj = -7 °C	0.970	0.970
Pdh Tj = +2°C	4.10 kW	3.80 kW
COP Tj = +2°C	4.30	3.15
Cdh Tj = +2 °C	0.970	0.970
Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.20	4.70
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.60 kW	1.60 kW
COP Tj = 12°C	8.30	5.50
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	6.70 kW	6.20 kW
COP Tj = Tbiv	2.70	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.970
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	25 W	25 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.20 kW
Annual energy consumption Qhe	3450 kWh	4421 kWh