

**Model MHC-V8WD2N7-\*\*\***

Model name	MHC-V8WD2N7-***
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer
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	8.4 kW	7.8 kW
El input	1.68 kW	2.44 kW
COP	5.00	3.20

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	204 %	149 %
Prated	8.00 kW	6.80 kW
SCOP	5.19	3.82
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.09 kW	5.97 kW
COP Tj = -7°C	3.06	2.37
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.53 kW	3.71 kW
COP Tj = +2°C	5.10	3.85
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.96 kW	3.62 kW
COP Tj = +7°C	7.47	5.12

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.51 kW	4.31 kW
COP Tj = 12°C	9.66	6.77
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.09 kW	5.97 kW
COP Tj = Tbiv	3.06	2.37
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.97 kW	6.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	14 W	14 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.03 kW	0.34 kW
Annual energy consumption Qhe	3184 kWh	3676 kWh

#### EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

#### EN 14825 | Colder Climate

	Low temperature	Medium temperature
$\eta_s$	174 %	135 %
Prated	6.8 kW	7.0 kW
SCOP	4.44	3.46
Tbiv	-15.00 °C	-15.00 °C
TOL	-22.00 °C	-22.00 °C
Pdh Tj = -7°C	4.11 kW	4.49 kW
COP Tj = -7°C	3.97	2.87
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.18 kW	3.07 kW
COP Tj = +2°C	5.60	4.38
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.90 kW	3.67 kW
COP Tj = +7°C	6.46	5.58
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.43 kW	4.36 kW
COP Tj = 12°C	8.67	7.22
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.48 kW	5.69 kW
COP Tj = Tbiv	2.73	2.09

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.64 kW	5.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.09	1.54
WTOL	75.00 °C	75.00 °C
Poff	9.00 W	9.00 W
PTO	14 W	14 W
PSB	9.00 W	9.00 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.15 kW	1.92 kW
Annual energy consumption Qhe	3772.00 kWh	4992.00 kWh
Pdh Tj = -15°C (if TOL	5.48	5.69
COP Tj = -15°C (if TOL	2.73	2.09
Cdh Tj = -15 °C	0.9	0.9

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	259.00 %	184.00 %
Prated	8.2 kW	8.3 kW
SCOP	6.56	4.68
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = +2°C	8.20 kW	7.99 kW
COP Tj = +2°C	3.59	2.54
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	5.27 kW	5.36 kW
COP Tj = +7°C	6.03	4.15
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.46 kW	4.21 kW
COP Tj = 12°C	8.58	6.35
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.27 kW	5.36 kW
COP Tj = Tbiv	6.03	4.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.27 kW	7.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.54
WTOL	75.00 °C	75.00 °C
Poff	9.00 W	9.00 W
PTO	14.00 W	14.00 W
PSB	9 W	9 W

PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	1669.00 kWh	2368.00 kWh