

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	MDAN-YMi 4.1, 5.1 + SRHME A with tank		Reg. No.	ICIM-PDC-000053-01
Certificate Holder				
Name	Clivet s.p.a.			
Address	Via camp lonc 25 c.ap.		Zip	I-32032
City	z.i. Villapaiera - Feltre (BL)		Country	Italy
Certification Body	ICIM S.p.A.			
Name of testing laboratory	OBL certificate - ReLab Politecnico di Milano			
Subtype title	MDAN-YMi 4.1, 5.1 + SRHME A with tank			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass Of Refrigerant	1.65 kg			
Certification Date	17.01.2020			
Testing basis	HP KEYMARK certification scheme rules rev. no. 7			

Model: MDAN-YMi 4.1 + SRHME A

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.37 kW	7.60 kW
El input	1.77 kW	2.51 kW
COP	4.74	3.03
Indoor water flow rate	1.45 m ³ /h	0.83 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	195 %	133 %
Prated	8.23 kW	7.57 kW
SCOP	4.96	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.28 kW	6.70 kW
COP Tj = -7°C	3.07	2.03
Cdh	0.90	0.90
Pdh Tj = +2°C	4.71 kW	4.34 kW
COP Tj = +2°C	4.78	3.40
Cdh	0.90	0.90
Pdh Tj = +7°C	2.73 kW	2.77 kW
COP Tj = +7°C	6.73	4.47
Cdh	0.90	0.90

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Pdh Tj = 12°C	1.57 kW	1.27 kW
COP Tj = 12°C	8.53	5.04
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.28 kW	6.70 kW
COP Tj = Tbiv	3.07	2.03
Pdh Tj = TOL	6.76 kW	6.29 kW
COP Tj = TOL	2.57	1.65
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	1.47 kW	1.28 kW
Annual energy consumption Qhe	3431 kWh	4605 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	63 dB(A)

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

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The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1	
	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	63 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	115 %
COP	2.66
Heating up time	2:16 h:min
Standby power input	58.0 W
Reference hot water temperature	49.5 °C
Mixed water at 40°C	210 l

Warmer Climate

Colder Climate

Model: MDAN-YMi 5.1 + SRHME A

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.97 kW	8.73 kW
El input	2.19 kW	2.98 kW
COP	4.55	2.93
Indoor water flow rate	1.73 m ³ /h	0.96 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	199 %	139 %
Prated	9.51 kW	8.50 kW
SCOP	5.04	3.56
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.41 kW	7.52 kW
COP Tj = -7°C	3.17	2.25
Cdh	0.90	0.90
Pdh Tj = +2°C	5.32 kW	4.91 kW
COP Tj = +2°C	4.71	3.49
Cdh	0.90	0.90
Pdh Tj = +7°C	3.58 kW	3.13 kW
COP Tj = +7°C	7.12	4.71
Cdh	0.90	0.90

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Pdh Tj = 12°C	1.61 kW	1.34 kW
COP Tj = 12°C	9.88	5.57
Cdh	0.90	0.90
Pdh Tj = Tbiv	8.41 kW	7.52 kW
COP Tj = Tbiv	3.17	2.25
Pdh Tj = TOL	7.01 kW	6.29 kW
COP Tj = TOL	2.57	1.65
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	2.50 kW	2.21 kW
Annual energy consumption Qhe	3900 kWh	4936 kWh

Warmer Climate

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	Low temperature
Sound power level indoor	39 dB(A)
Sound power level outdoor	65 dB(A)

Colder Climate

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COP	2.66
Heating up time	2:16 h:min
Standby power input	58.0 W
Reference hot water temperature	49.5 °C
Mixed water at 40°C	210 l

Warmer Climate

Colder Climate

Model: MDAN-YMi 4.1 + SRHME A

General Data

Power supply	1x230V 50Hz
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Sound power level outdoor	63 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.52
Heating up time	3:14 h:min
Standby power input	93.0 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	325 l

Warmer Climate

Colder Climate

Model: MDAN-YMi 5.1 + SRHME A

General Data

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