

This information was generated by the HP KEYMARK database on 21 Jun 2022

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Summary of	AA packaged 6/8	Reg. No.	037-0001-18
Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Europe LTD		
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ
City	Livingston	Country	United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Subtype title	AA packaged 6/8		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.4 kg		
Certification Date	09.10.2018		
Testing basis	HP Keymark scheme rules rev. no. 4		

Model: PUAZ-W60VAA

Configure model	
Model name	PUHZ-W60VAA
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.24 kW	2.09 kW
COP	4.83	2.87

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	188 %	132 %
Prated	6.00 kW	6.00 kW
SCOP	4.77	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.30 kW	5.30 kW
COP Tj = -7°C	3.18	2.09
Cdh Tj = -7 °C	0.991	0.994
Pdh Tj = +2°C	3.20 kW	3.20 kW
COP Tj = +2°C	4.52	3.22
Cdh Tj = +2 °C	0.979	0.985
Pdh Tj = +7°C	3.20 kW	2.90 kW
COP Tj = +7°C	6.55	4.62
Cdh Tj = +7 °C	0.969	0.976
Pdh Tj = 12°C	2.90 kW	2.70 kW

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COP Tj = 12°C	8.16	6.09
Cdh Tj = +12 °C	0.958	0.966
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.18	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.88 kW	4.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.74	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.950	0.960
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	Electricity	Electricity
Supplementary Heater: PSUP	1.12 kW	1.12 kW
Annual energy consumption Qhe	2598 kWh	3674 kWh

Model: PUAZ-W85VAA

Configure model

Model name	PUHZ-W85VAA
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	2.00 kW	3.24 kW
COP	4.51	2.78

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	175 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	4.44	3.56
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	2.21	1.96
Cdh Tj = -7 °C	0.996	0.996
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.53	3.50
Cdh Tj = +2 °C	0.985	0.989
Pdh Tj = +7°C	3.40 kW	2.90 kW
COP Tj = +7°C	6.28	4.90
Cdh Tj = +7 °C	0.972	0.975
Pdh Tj = 12°C	3.20 kW	2.90 kW

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COP Tj = 12°C	8.48	6.80
Cdh Tj = +12 °C	0.960	0.965
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.21	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.65 kW	6.65 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.950	0.960
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	Electricity	Electricity
Supplementary Heater: PSUP	1.85 kW	1.85 kW
Annual energy consumption Qhe	3952 kWh	4933 kWh

Model: PUAZ-W85YAA

Configure model

Model name	PUHZ-W85YAA
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	2.00 kW	3.24 kW
COP	4.51	2.78

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	174 %	139 %
Prated	8.50 kW	8.50 kW
SCOP	4.43	3.55
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.50 kW	7.50 kW
COP Tj = -7°C	2.21	1.96
Cdh Tj = -7 °C	0.994	0.994
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.53	3.50
Cdh Tj = +2 °C	0.978	0.983
Pdh Tj = +7°C	3.40 kW	2.90 kW
COP Tj = +7°C	6.28	4.90
Cdh Tj = +7 °C	0.959	0.963
Pdh Tj = 12°C	3.20 kW	2.90 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

COP Tj = 12°C	8.48	6.80
Cdh Tj = +12 °C	0.942	0.948
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.21	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.65 kW	6.65 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.99	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.930	0.940
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.85 kW	1.85 kW
Annual energy consumption Qhe	3962 kWh	4941 kWh