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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)		
Name of testing laboratory	IGE Institut für GebäudeEnergetik		
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: PUHZ-W60VAA

General Data	
Power supply	1x230V 50Hz

Heating

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
Indoor water flow rate	1.03 m³/h	0.65 m³/h

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

Average Climate

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	184 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.67	3.30
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.30 kW	5.30 kW
COP Tj = -7°C	3.23	2.09
Pdh Tj = +2°C	3.20 kW	3.20 kW
COP Tj = +2°C	4.58	3.22
Pdh Tj = +7°C	3.20 kW	2.90 kW
COP Tj = +7°C	6.55	4.62
Pdh Tj = 12°C	2.90 kW	2.70 kW
COP Tj = 12°C	8.16	6.09
Pdh Tj = Tbiv	5.30 kW	5.30 kW
COP Tj = Tbiv	3.23	2.09

Pdh Tj = TOL	3.50 kW	3.50 kW
COP Tj = TOL	1.28	1.28
Cdh	0.95	0.96
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	1.10 kW	1.10 kW
Annual energy consumption Qhe	2541 kWh	3642 kWh

Model: PUHZ-W85VAA

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	9.00 kW	9.00 kW
El input	2.00 kW	3.24 kW
COP	4.51	2.78
Indoor water flow rate	1.55 m^3/h	0.97 m^3/h

Average Climate

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	171 %	137 %
Prated	8.50 kW	8.50 kW
SCOP	4.35	3.50
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
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.53	3.50
Pdh Tj = +7°C	3.40 kW	2.90 kW
COP Tj = +7°C	6.28	4.90
Pdh Tj = 12°C	3.20 kW	2.90 kW
COP Tj = 12°C	8.48	6.80
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.21	1.96

Pdh Tj = TOL	3.80 kW	3.80 kW
COP Tj = TOL	1.30	1.37
Cdh	0.95	0.96
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	1.90 kW	1.90 kW
Annual energy consumption Qhe	3903 kWh	4882 kWh

Model: PUHZ-W85YAA

General Data	
Power supply	3x400V 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	9.00 kW	9.00 kW
El input	2.00 kW	3.24 kW
COP	4.51	2.78
Indoor water flow rate	1.55 m^3/h	0.97 m^3/h

Average Climate

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	169 %	136 %
Prated	8.50 kW	8.50 kW
SCOP	4.30	3.47
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
Pdh Tj = +2°C	4.60 kW	4.60 kW
COP Tj = +2°C	4.53	3.50
Pdh Tj = +7°C	3.40 kW	2.90 kW
COP Tj = +7°C	6.28	4.90
Pdh Tj = 12°C	3.20 kW	2.90 kW
COP Tj = 12°C	8.48	6.80
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.21	1.96

Pdh Tj = TOL	3.80 kW	3.80 kW
COP Tj = TOL	1.26	1.33
Cdh	0.93	0.94
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	1.90 kW	1.90 kW
Annual energy consumption Qhe	3911 kWh	4889 kWh