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Summary of	Ecodan Power Inverter 8-170D AA	Reg. No.	037-0010-20	
Certificate Holder	Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Euro	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	Heat Pump Test Center WPZ, Switzerland			
Subtype title	Ecodan Power Inverter 8-170D AA			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	3 kg			
Certification Date	14.02.2020			
Testing basis	HP Keymark scheme rules rev. no. 6			



#### Model: PUHZ-SW75VAA + EHST17D-VM\*D

General Data	
Power supply	1x230V 50Hz

#### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
СОР	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

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 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	162 %	129 %
Prated	7.20 kW	7.10 kW
SCOP	4.12	3.31
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.54	2.04
Cdh	0.99	1.00
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.98	0.99
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.97	0.98

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Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.00	6.10
Cdh	0.96	0.97
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.54	2.04
Pdh Tj = TOL	8.53 kW	7.65 kW
COP Tj = TOL	3.18	2.20
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	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	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	136 %	
СОР	3.21	
Heating up time	02:20 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	



## Model: PUHZ-SW75VAA + ERST17D-VM\*D

General Data	
Power supply 1x230V 50Hz	

#### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
СОР	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	166 %	132 %
Prated	7.20 kW	7.10 kW
SCOP	4.22	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.54	2.04
Cdh	0.99	1.00
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.98	0.99
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.97	0.98

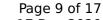
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Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.00	6.10
Cdh	0.96	0.97
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.54	2.04
Pdh Tj = TOL	8.53 kW	7.65 kW
COP Tj = TOL	3.18	2.20
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3500 kWh	4325 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	136 %	
СОР	3.21	
Heating up time	02:20 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	



#### Model: PUHZ-SW75YAA + EHST17D-VM\*D

General Data	
Power supply 3x400V 50Hz	

#### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
СОР	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

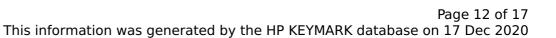


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	160 %	128 %
Prated	7.20 kW	7.10 kW
SCOP	4.07	3.28
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.40 kW	6.30 kW
COP Tj = -7°C	2.54	2.04
Cdh	0.99	1.00
Pdh Tj = +2°C	3.90 kW	3.80 kW
COP Tj = +2°C	4.16	3.23
Cdh	0.98	0.99
Pdh Tj = +7°C	2.60 kW	2.90 kW
COP Tj = +7°C	5.62	4.59
Cdh	0.97	0.98

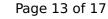
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Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.00	6.10
Cdh	0.96	0.97
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.54	2.04
Pdh Tj = TOL	8.53 kW	7.65 kW
COP Tj = TOL	3.18	2.20
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	136 %	
СОР	3.21	
Heating up time	02:20 h:min	
Standby power input	39.0 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	



## Model: PUHZ-SW75YAA + ERST17D-VM\*D

General Data	
Power supply 3x400V 50Hz	

#### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.82 kW	3.03 kW
СОР	4.40	2.64
Indoor water flow rate	1.38 m³/h	0.86 m³/h

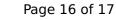
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



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

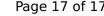
EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	165 %	132 %	
Prated	7.20 kW	7.10 kW	
SCOP	4.20	3.36	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	6.40 kW	6.30 kW	
COP Tj = -7°C	2.54	2.04	
Cdh	0.99	1.00	
Pdh Tj = +2°C	3.90 kW	3.80 kW	
COP Tj = +2°C	4.16	3.23	
Cdh	0.98	0.99	
Pdh Tj = +7°C	2.60 kW	2.90 kW	
COP Tj = +7°C	5.62	4.59	
Cdh	0.97	0.98	





Pdh Tj = 12°C	3.10 kW	2.80 kW
COP Tj = 12°C	7.00	6.10
Cdh	0.96	0.97
Pdh Tj = Tbiv	6.40 kW	6.30 kW
COP Tj = Tbiv	2.54	2.04
Pdh Tj = TOL	8.53 kW	7.65 kW
COP Tj = TOL	3.18	2.20
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3507 kWh	4329 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
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Reference hot water temperature	55.5 °C	
Mixed water at 40°C	236	