Login

Summary of	Ecodan Power Inverter 10-300D AA	Reg. No.	037-0015-20
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	Ecodan Power Inverter 10-300D AA		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	4.2 kg		
Certification Date	14.02.2020		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: PUHZ-SW100VAA + EHST30C-M*D

Configure model	
Model name	PUHZ-SW100VAA + EHST30C-M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
El input	2.51 kW	4.13 kW
COP	4.46	2.71

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	167 %	130 %
Prated	10.60 kW	10.00 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.70 kW	5.40 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.50 kW	4.70 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.99

Pdh Tj = 12°C	4.30 kW	5.30 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.40 kW	8.90 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
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	1.60 kW	1.40 kW
Annual energy consumption Qhe	5026 kWh	6089 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	120 %
COP	2.90
Heating up time	03:41 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: PUHZ-SW100VAA + EHST30C-*M*D

Configure model	
Model name	PUHZ-SW100VAA + EHST30C-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
El input	2.51 kW	4.13 kW
COP	4.46	2.71

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	167 %	130 %
Prated	10.60 kW	10.00 kW
SCOP	4.25	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.70 kW	5.40 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.50 kW	4.70 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.99

Pdh Tj = 12°C	4.30 kW	5.30 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.40 kW	8.90 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
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	1.60 kW	1.40 kW
Annual energy consumption Qhe	5026 kWh	6089 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	120 %
COP	2.90
Heating up time	03:41 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: PUHZ-SW100VAA + ERST30C-*M*D

Configure model	
Model name	PUHZ-SW100VAA + ERST30C-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
El input	2.51 kW	4.13 kW
COP	4.46	2.71

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	170 %	132 %
Prated	10.60 kW	10.00 kW
SCOP	4.32	3.37
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.70 kW	5.40 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.50 kW	4.70 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.99

Pdh Tj = 12°C	4.30 kW	5.30 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.40 kW	8.90 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
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	1.60 kW	1.40 kW
Annual energy consumption Qhe	5026 kWh	6089 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	120 %
COP	2.90
Heating up time	03:41 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: PUHZ-SW100YAA + EHST30C-M*D

Configure model	
Model name	PUHZ-SW100YAA + EHST30C-M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
El input	2.51 kW	4.13 kW
COP	4.46	2.71

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	165 %	129 %
Prated	10.60 kW	10.00 kW
SCOP	4.21	3.30
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
COP Tj = -7°C	2.75	1.95
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.70 kW	5.40 kW
COP Tj = +2°C	4.21	3.22
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	4.50 kW	4.70 kW
COP Tj = +7°C	5.55	4.79
Cdh Tj = +7 °C	0.98	0.99

Pdh Tj = 12°C	4.30 kW	5.30 kW
COP Tj = 12°C	7.47	6.12
Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	9.40 kW	8.90 kW
COP Tj = Tbiv	2.75	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
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	1.60 kW	1.40 kW
Annual energy consumption Qhe	5035 kWh	6101 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	120 %
COP	2.90
Heating up time	03:41 h:min
Standby power input	41.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: PUHZ-SW100YAA + EHST30C-*M*D

Configure model	
Model name	PUHZ-SW100YAA + EHST30C-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
El input	2.51 kW	4.13 kW
COP	4.46	2.71

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	165 %	129 %
Prated	10.60 kW	10.00 kW
SCOP	4.21	3.30
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
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Pdh Tj = +2°C	5.70 kW	5.40 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
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	1.60 kW	1.40 kW
Annual energy consumption Qhe	5035 kWh	6101 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
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Model: PUHZ-SW100YAA + ERST30C-*M*D

Configure model	
Model name	PUHZ-SW100YAA + ERST30C-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	11.20 kW
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COP	4.46	2.71

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Shutting off the heat transfer medium flow	passed
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	Low temperature	**Medium temperature**
η_s	169 %	132 %
Prated	10.60 kW	10.00 kW
SCOP	4.31	3.36
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.40 kW	8.90 kW
COP Tj = -7°C	2.75	1.95
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Pdh Tj = +2°C	5.70 kW	5.40 kW
COP Tj = +2°C	4.21	3.22
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Pdh Tj = +7°C	4.50 kW	4.70 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.80	1.80
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.60 kW	1.40 kW
Annual energy consumption Qhe	5035 kWh	6101 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

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