

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Summary of	Ecodan Power Inverter 16	Reg. No.	037-0052-20
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 16		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	7.7 kg		
Certification Date	09.04.2020		
Testing basis	HP Keymark scheme rules rev. no. 7		

Model: PUAZ-SW160YKA(-BS) + EHSE-M*C

Configure model

Model name	PUHZ-SW160YKA(-BS) + EHSE-M*C
Application	Heating (medium temp)
Units	Indoor + 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 14511-2

	Low temperature	Medium temperature
Heat output	22.00 kW	22.00 kW
El input	5.23 kW	8.91 kW
COP	4.21	2.47

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

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	161 %	125 %
Prated	15.30 kW	13.50 kW
SCOP	4.10	3.20
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	13.50 kW	11.90 kW
COP Tj = -7°C	2.57	1.83
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	8.20 kW	7.20 kW
COP Tj = +2°C	4.13	3.17
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	6.30 kW	5.90 kW
COP Tj = +7°C	5.22	4.29
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	7.70 kW	7.40 kW
COP Tj = 12°C	7.08	6.32
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	13.50 kW	11.90 kW
COP Tj = Tbiv	2.57	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.50 kW	11.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	2.80 kW	2.20 kW
Annual energy consumption Qhe	7702 kWh	8716 kWh

Model: PUAZ-SW160YKA(-BS) + EHSE-*M*C

Configure model

Model name	PUHZ-SW160YKA(-BS) + EHSE-*M*C
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Reversibility	No
Cooling mode application (optional)	n/a

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Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.80 kW	2.20 kW
Annual energy consumption Qhe	7621 kWh	8636 kWh

Model: PUAZ-SW160YKA(-BS) + ERSE-*M*C

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Model: PUAZ-SW160YKA(-BS) + EHSE-M*D

Configure model

Model name	PUHZ-SW160YKA(-BS) + EHSE-M*D
Application	Heating (medium temp)
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Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
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