Login

Summary of	Ecodan Power Inverter 20	Reg. No.	037-0053-20
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 20		
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: PUHZ-SW200YKA(-BS) + EHSE-*M*C

Configure model	
Model name	PUHZ-SW200YKA(-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

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	25 kW	25 kW
El input	6.25 kW	10.2 kW
COP	4	2.45

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	45 dB(A)	45 dB(A)
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	163 %	127 %
Prated	17.3 kW	15.5 kW
SCOP	4.14	3.26
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	15.3 kW	13.7 kW
COP Tj = -7°C	2.53	1.83
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	9.3 kW	8.3 kW
COP Tj = +2°C	4.2	3.28
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	6.3 kW	5.9 kW
COP Tj = +7°C	5.22	4.27
Cdh Tj = +7 °C	0.99	0.99

Pdh Tj = 12°C	7.7 kW	7.4 kW
COP Tj = 12°C	7.08	6.31
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	15.3 kW	13.7 kW
COP Tj = Tbiv	2.53	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.2 kW	13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.3	1.78
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	3.1 kW	2.5 kW
Annual energy consumption Qhe	8638 kWh	9820 kWh

Model: PUHZ-SW200YKA(-BS) + EHSE-*M*D

Configure model	
Model name	PUHZ-SW200YKA(-BS) + EHSE-*M*D
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General Data	
Power supply	3x400V 50Hz

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Model: PUHZ-SW200YKA(-BS) + EHSE-M*C

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Model name	PUHZ-SW200YKA(-BS) + EHSE-M*C
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Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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Model: PUHZ-SW200YKA(-BS) + EHSE-M*D

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Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
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Model: PUHZ-SW200YKA(-BS) + ERSE-*M*C

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Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
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	3.1 kW	2.5 kW
Annual energy consumption Qhe	8558 kWh	9740 kWh

Model: PUHZ-SW200YKA(-BS) + ERSE-*M*D

Configure model	
Model name	PUHZ-SW200YKA(-BS) + ERSE-*M*D
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.1 kW	2.5 kW
Annual energy consumption Qhe	8558 kWh	9740 kWh

Model: PUHZ-SW200YKA(-BS) + ERSE-M*C

Configure model	
Model name	PUHZ-SW200YKA(-BS) + ERSE-M*C
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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Annual energy consumption Qhe	8558 kWh	9740 kWh

Model: PUHZ-SW200YKA(-BS) + ERSE-M*D

Configure model	
Model name	PUHZ-SW200YKA(-BS) + ERSE-M*D
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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