Subtype Ecodan Multi Inverter 5+170D	
Certificate Holder	Mitsubishi Electric Air Conditioning Systems Europe LTD
Address	Nettlehill Road, Houston Industrial Estate
ZIP	EH54 5EQ
City	Livingston
Country	GB
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	Ecodan Multi Inverter 5+170D
Registration number	037-0098-23
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.4 kg
Certification Date	15.03.2023
Testing basis	HP Keymark scheme rules rev. no. 9
Testing laboratory	SZU Brno, CZ

Model PXZ-5F85VG + EHST17D-*M*D	
Model name	PXZ-5F85VG + EHST17D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	121 %
COP	2.92
Heating up time	1:35 h:min
Standby power input	34.0 W
Reference hot water temperature	54.5 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.5 kW	8.5 kW
El input	1.96 kW	3.31 kW
COP	4.34	2.57

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	157 %	111 %

Prated	7.12 kW	6.7 kW
SCOP	4	2.86
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.33 kW	5.93 kW
COP Tj = -7°C	2.8	1.4
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	3.95 kW	3.66 kW
COP Tj = +2°C	4.29	3.07
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	2.62 kW	2.45 kW
COP Tj = +7°C	4.72	3.92
Cdh Tj = +7 °C	0.973	0.976
Pdh Tj = 12°C	2.29 kW	2.07 kW
COP Tj = 12°C	4.33	4.48
Cdh Tj = +12 °C	0.972	0.968
Pdh Tj = Tbiv	6.33 kW	5.93 kW
COP Tj = Tbiv	2.8	1.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	5.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.5	1.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
WTOL	55 °C	55 °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	0.32 kW	1.57 kW
Annual energy consumption Qhe	3679 kWh	4846 kWh

Model PXZ-5F85VG + ERST17D-*M*D	
Model name	PXZ-5F85VG + ERST17D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	121 %
COP	2.92
Heating up time	1:35 h:min
Standby power input	34.0 W
Reference hot water temperature	54.5 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	8.5 kW	8.5 kW
El input	1.96 kW	3.31 kW
COP	4.34	2.57

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
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EN 14825 | Average Climate	Low temperature	Medium temperature

ηs	157 %	111 %
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SCOP	4	2.86
Tbiv	-7 °C	-7 °C
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Supplementary Heater: Type of energy input	Electricity	Electricity
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Model PXZ-5F85VG + EHST17D-*M*E	
Model name	PXZ-5F85VG + EHST17D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	125 %
COP	3.05
Heating up time	1:49 h:min
Standby power input	28.5 W
Reference hot water temperature	53 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.5 kW	8.5 kW
El input	1.96 kW	3.31 kW
COP	4.34	2.57

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.32 kW	1.57 kW
Annual energy consumption Qhe	3679 kWh	4846 kWh

Model PXZ-5F85VG + ERST17D-*M*E	
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Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
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Off-peak product	n/a

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