Subtype Ecodan Zubadan (TR) 6/8/10 + 300F AA	
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 Zubadan (TR) 6/8/10 + 300F AA
Registration number	037-0149-23
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	05.12.2023
Testing basis	HP Keymark scheme rules rev. no. 11
Testing laboratory	SZU Brno, CZ

This information was generated by the HP KEYMARK database on 25.09.2025

Model PUZ-SHWM60VAA + ERST30F-*M*E	
Model name	PUZ-SHWM60VAA + ERST30F-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	XL
Efficiency ηDHW	130 %
COP	3.14
Heating up time	2:42 h:min
Standby power input	44.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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	5 kW	4 kW
El input	0.99 kW	1.63 kW
COP	5.05	2.45

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	1.46 kW	1.11 kW
Cooling capacity	5.1	6
EER	3.5	5.4

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	188 %	131 %
Prated	6 kW	6 kW
SCOP	4.78	3.35
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.31 kW	5.31 kW
COP Tj = -7°C	3.4	2.28
Cdh Tj = -7 °C	0.99	0.994
Pdh Tj = +2°C	4.8 kW	4.4 kW
COP Tj = +2°C	4.78	3.22
Cdh Tj = +2 °C	0.985	0.989
Pdh Tj = +7°C	4.9 kW	4.1 kW
COP Tj = +7°C	5.9	4.2
Cdh Tj = +7 °C	0.982	0.985
Pdh Tj = 12°C	3 kW	2.7 kW
COP Tj = 12°C	6.52	5.87
Cdh Tj = +12 °C	0.967	0.967
Pdh Tj = Tbiv	6 kW	6 kW
COP Tj = Tbiv	2.76	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6 kW	6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	70 °C	70 °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 kW	0 kW
Annual energy consumption Qhe	2593 kWh	3700 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.1 kW	6 kW
SEER	3.89	5.93
Pdc Tj = 35°C	5.1 kW	6 kW
EER Tj = 35°C	3.5	5.4

This information was generated by the HP KEYMARK database on 25.09.2025

Cdc Tj = 35 °C	0.99	0.987
Pdc Tj = 30°C	3.76 kW	4.42 kW
EER Tj = 30°C	3.84	5.95
Cdc Tj = 30 °C	0.985	0.98
Pdc Tj = 25°C	2.42 kW	3.3 kW
EER Tj = 25°C	4.07	6.38
Cdc Tj = 25 °C	0.975	0.971
Pdc Tj = 20°C	2.5 kW	3.5 kW
EER Tj = 20°C	4.57	7
Cdc Tj = 20 °C	0.973	0.97
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	787 kWh	608 kWh

Model PUZ-SHWM80VAA + ERST30F-*M*E	
Model name	PUZ-SHWM80VAA + ERST30F-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	XL
Efficiency ηDHW	130 %
COP	3.14
Heating up time	2:42 h:min
Standby power input	44.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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	6 kW	4 kW
El input	1.19 kW	1.6 kW
COP	5.05	2.5

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	1.62 kW
Cooling capacity	7.1	8
EER	3.3	4.95

EN 12102-1 | Average Climate

This information was generated by the HP KEYMARK database on 25.09.2025

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	188 %	134 %
Prated	8 kW	8 kW
SCOP	4.77	3.42
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	3.23	2.32
Cdh Tj = -7 °C	0.993	0.995
Pdh Tj = +2°C	4.4 kW	4.4 kW
COP Tj = +2°C	4.78	3.22
Cdh Tj = +2 °C	0.984	0.989
Pdh Tj = +7°C	5 kW	4.4 kW
COP Tj = +7°C	5.9	4.4
Cdh Tj = +7 °C	0.982	0.985
Pdh Tj = 12°C	3 kW	2.8 kW
COP Tj = 12°C	6.52	6.09
Cdh Tj = +12 °C	0.967	0.967
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	2.67	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.997
WTOL	70 °C	70 °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 kW	0 kW
Annual energy consumption Qhe	3462 kWh	4837 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.1 kW	8 kW
SEER	4.13	5.74
Pdc Tj = 35°C	7.1 kW	8 kW
EER Tj = 35°C	3.3	4.95

Cdc Tj = 35 °C	0.993	0.991
Pdc Tj = 30°C	5.23 kW	5.92 kW
EER Tj = 30°C	3.85	5.7
Cdc Tj = 30 °C	0.989	0.986
Pdc Tj = 25°C	3.36 kW	3.79 kW
EER Tj = 25°C	4.55	6
Cdc Tj = 25 °C	0.98	0.976
Pdc Tj = 20°C	2.5 kW	3.5 kW
EER Tj = 20°C	4.69	6.75
Cdc Tj = 20 °C	0.972	0.971
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1031 kWh	836 kWh

Model PUZ-SHWM80YAA + ERST30F-*M*E	
Model name	PUZ-SHWM80YAA + ERST30F-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
Heating up time	2:42 h:min
Standby power input	44.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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	6 kW	4 kW
El input	1.19 kW	1.6 kW
COP	5.05	2.5

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	1.62 kW
Cooling capacity	7.1	8
EER	3.3	4.95

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	187 %	133 %
Prated	8 kW	8 kW
SCOP	4.76	3.41
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	3.23	2.32
Cdh Tj = -7 °C	0.99	0.993
Pdh Tj = +2°C	4.4 kW	4.4 kW
COP Tj = +2°C	4.78	3.22
Cdh Tj = +2 °C	0.976	0.984
Pdh Tj = +7°C	5 kW	4.4 kW
COP Tj = +7°C	5.9	4.4
Cdh Tj = +7 °C	0.974	0.978
Pdh Tj = 12°C	3 kW	2.8 kW
COP Tj = 12°C	6.52	6.09
Cdh Tj = +12 °C	0.952	0.952
Pdh Tj = Tbiv	8 kW	8 kW
COP Tj = Tbiv	2.67	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	70 °C	70 °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	0 kW	0 kW
Annual energy consumption Qhe	3474 kWh	4848 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.1 kW	8 kW
SEER	4.07	5.63
Pdc Tj = 35°C	7.1 kW	8 kW
EER Tj = 35°C	3.3	4.95

Cdc Tj = 35 °C	0.99	0.986
Pdc Tj = 30°C	5.23 kW	5.92 kW
EER Tj = 30°C	3.85	5.7
Cdc Tj = 30 °C	0.984	0.979
Pdc Tj = 25°C	3.36 kW	3.79 kW
EER Tj = 25°C	4.55	6
Cdc Tj = 25 °C	0.97	0.965
Pdc Tj = 20°C	2.5 kW	3.5 kW
EER Tj = 20°C	4.69	6.75
Cdc Tj = 20 °C	0.959	0.958
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	1048 kWh	853 kWh

Model PUZ-SHWM100VAA + ERST30F-*M*E	
Model name	PUZ-SHWM100VAA + ERST30F-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	XL
Efficiency ηDHW	130 %
COP	3.14
Heating up time	2:42 h:min
Standby power input	44.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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 kW	7 kW
El input	1.58 kW	2.59 kW
COP	5.05	2.7

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	3 kW	2.22 kW
Cooling capacity	9	10
EER	3	4.5

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	186 %	138 %
Prated	10 kW	10 kW
SCOP	4.73	3.53
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.12	2.2
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.65	3.4
Cdh Tj = +2 °C	0.987	0.991
Pdh Tj = +7°C	5.2 kW	4.8 kW
COP Tj = +7°C	6	4.62
Cdh Tj = +7 °C	0.983	0.986
Pdh Tj = 12°C	3.2 kW	2.9 kW
COP Tj = 12°C	6.96	6.3
Cdh Tj = +12 °C	0.967	0.967
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.51	1.7
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.7
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	0.997
WTOL	70 °C	70 °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 kW	0 kW
Annual energy consumption Qhe	4369 kWh	5858 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	9 kW	10 kW
SEER	3.98	5.73
Pdc Tj = 35°C	9 kW	10 kW
EER Tj = 35°C	3	4.5

Cdc Tj = 35 °C	0.995	0.993
Pdc Tj = 30°C	6.63 kW	7.37 kW
EER Tj = 30°C	3.82	5.68
Cdc Tj = 30 °C	0.991	0.988
Pdc Tj = 25°C	4.26 kW	4.74 kW
EER Tj = 25°C	4.43	6.05
Cdc Tj = 25 °C	0.984	0.981
Pdc Tj = 20°C	2.5 kW	3.5 kW
EER Tj = 20°C	4.23	6.55
Cdc Tj = 20 °C	0.975	0.972
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1357 kWh	1047 kWh

Model PUZ-SHWM100YAA + ERST30F-*M*E	
Model name	PUZ-SHWM100YAA + ERST30F-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	130 %
COP	3.14
Heating up time	2:42 h:min
Standby power input	44.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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 kW	7 kW
El input	1.58 kW	2.59 kW
COP	5.05	2.7

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	3 kW	2.22 kW
Cooling capacity	9	10
EER	3	4.5

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	186 %	138 %
Prated	10 kW	10 kW
SCOP	4.72	3.52
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.85 kW	8.85 kW
COP Tj = -7°C	3.12	2.2
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	5.4 kW	5.4 kW
COP Tj = +2°C	4.65	3.4
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	5.2 kW	4.8 kW
COP Tj = +7°C	6	4.62
Cdh Tj = +7 °C	0.975	0.979
Pdh Tj = 12°C	3.2 kW	2.9 kW
COP Tj = 12°C	6.96	6.3
Cdh Tj = +12 °C	0.952	0.952
Pdh Tj = Tbiv	10 kW	10 kW
COP Tj = Tbiv	2.51	1.7
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10 kW	10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.7
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
WTOL	70 °C	70 °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	0 kW	0 kW
Annual energy consumption Qhe	4380 kWh	5868 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	9 kW	10 kW
SEER	3.93	5.64
Pdc Tj = 35°C	9 kW	10 kW
EER Tj = 35°C	3	4.5

Cdc Tj = 35 °C	0.993	0.99
Pdc Tj = 30°C	6.63 kW	7.37 kW
EER Tj = 30°C	3.82	5.68
Cdc Tj = 30 °C	0.987	0.983
Pdc Tj = 25°C	4.26 kW	4.74 kW
EER Tj = 25°C	4.43	6.05
Cdc Tj = 25 °C	0.977	0.972
Pdc Tj = 20°C	2.5 kW	3.5 kW
EER Tj = 20°C	4.23	6.55
Cdc Tj = 20 °C	0.963	0.959
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Annual energy consumption Qce	1372 kWh	1064 kWh