

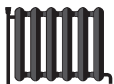


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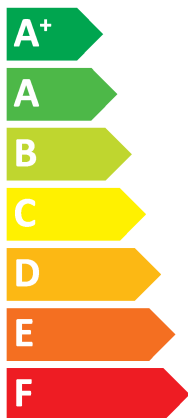
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Indoor unit ERST20F-VM6E
Outdoor unit PUZ-SHWM120VAA



A⁺⁺



A⁺

Two icons showing sound power levels. The top icon shows a speaker inside a house with the text **41 dB**. The bottom icon shows a speaker outside a house with the text **58 dB**.



A legend for power consumption with three colored squares: dark blue, medium blue, and light blue. Next to each square is the text **12 kW**.

1. SPACE HEATER

		1	Outdoor unit	PUZ-SHWM120VAA
		2	Indoor unit	ERST20F-VM6E
For medium-temperature application	3	Medium-temperature application		✓
	6	Seasonal space heating energy efficiency class		A++
	8	Rated heat output under average climate conditions	kW	12
	11	Seasonal space heating energy efficiency under average climate conditions	%	138
	9	For space heating, annual energy consumption under average climate conditions	kWh	7074
	13	Sound power level L _{WA} indoor	dB	41
	15	Rated heat output under colder climate conditions	kW	12
	16	Rated heat output under warmer climate conditions	kW	12
	21	Seasonal space heating energy efficiency under colder climate conditions	%	119
	22	Seasonal space heating energy efficiency under warmer climate conditions	%	164
	17	For space heating, annual energy consumption under colder climate conditions	kWh	9818
	18	For space heating, annual energy consumption under warmer climate conditions	kWh	3869
	25	Sound power level L _{WA} outdoor	dB	58
For low-temperature application	4	Low-temperature application		✓
	6	Seasonal space heating energy efficiency class		A+++
	8	Rated heat output under average climate conditions	kW	12
	11	Seasonal space heating energy efficiency under average climate conditions	%	182
	9	For space heating, annual energy consumption under average climate conditions	kWh	5394
	13	Sound power level L _{WA} indoor	dB	41
	15	Rated heat output under colder climate conditions	kW	12
	16	Rated heat output under warmer climate conditions	kW	12
	21	Seasonal space heating energy efficiency under colder climate conditions	%	151
	22	Seasonal space heating energy efficiency under warmer climate conditions	%	239
	17	For space heating, annual energy consumption under colder climate conditions	kWh	7772
	18	For space heating, annual energy consumption under warmer climate conditions	kWh	2671
	25	Sound power level L _{WA} outdoor	dB	58

2. COMBINATION HEATER

		1	Outdoor unit	PUZ-SHWM120VAA	
		2	Indoor unit	ERST20F-VM6E	
For medium-temperature application	3	Medium-temperature application		✓	
	5	Declared load profile		L	
	6	Seasonal space heating energy efficiency class		A++	
	7	Water heating energy efficiency class		A+	
	8	Rated heat output under average climate conditions	kW	12	
	9	For space heating, annual energy consumption under average climate conditions	kWh	7074	
	10	For water heating, annual electricity consumption under average climate conditions	kWh	796	
	11	Seasonal space heating energy efficiency under average climate conditions	%	138	
	12	Water heating energy efficiency under average climate conditions	%	137	
	13	Sound power level L _{WA} indoor	dB	41	
	14	Work only during off-peak hours		-	
	15	Rated heat output under colder climate conditions	kW	12	
	16	Rated heat output under warmer climate conditions	kW	12	
	17	For space heating, annual energy consumption under colder climate conditions	kWh	9818	
	18	For space heating, annual energy consumption under warmer climate conditions	kWh	3869	
	19	For water heating, annual energy consumption under colder climate conditions	kWh	945	
	20	For water heating, annual energy consumption under warmer climate conditions	kWh	696	
	21	Seasonal space heating energy efficiency under colder climate conditions	%	119	
	22	Seasonal space heating energy efficiency under warmer climate conditions	%	164	
	23	Water heating energy efficiency under colder climate conditions	%	115	
	24	Water heating energy efficiency under warmer climate conditions	%	158	
	25	Sound power level L _{WA} outdoor	dB	58	
	For low-temperature application	4	Low-temperature application		✓
		5	Declared load profile		L
		6	Seasonal space heating energy efficiency class		A+++
7		Water heating energy efficiency class		A+	
8		Rated heat output under average climate conditions	kW	12	
9		For space heating, annual energy consumption under average climate conditions	kWh	5394	
10		For water heating, annual electricity consumption under average climate conditions	kWh	796	
11		Seasonal space heating energy efficiency under average climate conditions	%	182	
12		Water heating energy efficiency under average climate conditions	%	137	
13		Sound power level L _{WA} indoor	dB	41	
14		Work only during off-peak hours		-	
15		Rated heat output under colder climate conditions	kW	12	
16		Rated heat output under warmer climate conditions	kW	12	
17		For space heating, annual energy consumption under colder climate conditions	kWh	7772	
18		For space heating, annual energy consumption under warmer climate conditions	kWh	2671	
19		For water heating, annual energy consumption under colder climate conditions	kWh	945	
20		For water heating, annual energy consumption under warmer climate conditions	kWh	696	
21		Seasonal space heating energy efficiency under colder climate conditions	%	151	
22		Seasonal space heating energy efficiency under warmer climate conditions	%	239	
23		Water heating energy efficiency under colder climate conditions	%	115	
24		Water heating energy efficiency under warmer climate conditions	%	158	
25		Sound power level L _{WA} outdoor	dB	58	

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	10.7	kW
Degradation co-efficient(**)	C _{dh}	1.00	
T _j = +2°C	P _{dh}	6.5	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +7°C	P _{dh}	5.0	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +12°C	P _{dh}	3.8	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = bivalent temperature	P _{dh}	12.1	kW
T _j = operation limit temperature(***)	P _{dh}	12.1	kW
Bivalent temperature	T _{biv}	-10	°C
Reference design conditions for space heating	T _{designh}	-10	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	138	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	2.16	
T _j = +2°C	COP _d	3.38	
T _j = +7°C	COP _d	4.75	
T _j = +12°C	COP _d	6.32	
T _j = bivalent temperature	COP _d	1.79	
T _j = operation limit temperature(***)	COP _d	1.79	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	7074	kWh

Rated air flow rate, outdoors		2640	m ³ /h
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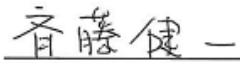
For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.620	kWh
Annual electricity consumption	AEC	796	kWh

Water heating energy efficiency	η _{wh}	137	%
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Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY INC. SÖĞÜTÖKÜYÜ, YOSB Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusre - Manis

The identification and signature of the person empowered to bind the supplier:



Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	P _{dh}	10.7	kW
Degradation co-efficient(**)	C _{dh}	1.00	
T _j = + 2°C	P _{dh}	6.5	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = + 7°C	P _{dh}	5.2	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = + 12°C	P _{dh}	4.0	kW
Degradation co-efficient(**)	C _{dh}	0.97	
T _j = bivalent temperature	P _{dh}	12.1	kW
T _j = operation limit temperature(***)	P _{dh}	12.1	kW
Bivalent temperature	T _{biv}	-10	°C
Reference design conditions for space heating	T _{designh}	-10	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	182	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	COP _d	2.87	
T _j = + 2°C	COP _d	4.57	
T _j = + 7°C	COP _d	6.04	
T _j = + 12°C	COP _d	7.02	
T _j = bivalent temperature	COP _d	2.45	
T _j = operation limit temperature(***)	COP _d	2.45	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	5394	kWh

Rated air flow rate, outdoors		2640	m ³ /h
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For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.620	kWh
Annual electricity consumption	AEC	796	kWh

Water heating energy efficiency	η _{wh}	137	%
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Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY INC. SÖĞÜTÖKÜYÜ, YOSB Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusre - Manisa

The identification and signature of the person empowered to bind the supplier:

Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

The signature is signed in the average climate / medium-temperature section.

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	7.3	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +2°C	P _{dh}	4.4	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +7°C	P _{dh}	3.8	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = +12°C	P _{dh}	4.4	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = bivalent temperature	P _{dh}	10.2	kW
T _j = operation limit temperature(***)	P _{dh}	8.2	kW
T _j = -15°C (if TOL < -20°C)	P _{dh}	9.9	kW
Bivalent temperature	T _{biv}	-16	°C
Reference design conditions for space heating	T _{designh}	-22	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	119	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	2.70	
T _j = +2°C	COP _d	3.53	
T _j = +7°C	COP _d	4.78	
T _j = +12°C	COP _d	7.00	
T _j = bivalent temperature	COP _d	1.57	
T _j = operation limit temperature(***)	COP _d	1.54	
T _j = -15°C (if TOL < -20°C)	COP _d	1.57	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	3.9	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	9818	kWh

Rated air flow rate, outdoors	2640	m ³ /h
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For heat pump combination heater:			
Declared load profile	L		
Daily electricity consumption	Q _{elec}	4.290	kWh
Annual electricity consumption	AEC	945	kWh

Water heating energy efficiency	η _{wh}	115	%
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Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY ANONUS HİSİTİM VE İNŞAAT ŞİRKETİ
 The identification and signature of the person empowered to bind the supplier: Kenichi SAITO
 The signature is signed in the average climate / medium-temperature section. Manager, Quality Assurance Department
 TURKEY

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	7.3	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +2°C	P _{dh}	4.5	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = +7°C	P _{dh}	3.9	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = +12°C	P _{dh}	4.6	kW
Degradation co-efficient(**)	C _{dh}	0.97	
T _j = bivalent temperature	P _{dh}	10.2	kW
T _j = operation limit temperature(***)	P _{dh}	8.7	kW
T _j = -15°C (if TOL < -20°C)	P _{dh}	9.9	kW
Bivalent temperature	T _{biv}	-16	°C
Reference design conditions for space heating	T _{designh}	-22	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	151	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	3.67	
T _j = +2°C	COP _d	4.34	
T _j = +7°C	COP _d	5.38	
T _j = +12°C	COP _d	8.02	
T _j = bivalent temperature	COP _d	2.10	
T _j = operation limit temperature(***)	COP _d	1.56	
T _j = -15°C (if TOL < -20°C)	COP _d	2.06	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	3.4	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	7772	kWh

Rated air flow rate, outdoors		2640	m ³ /h
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For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	4.290	kWh
Annual electricity consumption	AEC	945	kWh

Water heating energy efficiency	η _{wh}	115	%
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Contact details

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The identification and signature of the person empowered to bind the supplier:

The signature is signed in the average climate / medium-temperature section.

Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	P _{dh}	-	kW
Degradation co-efficient(**)	C _{dh}	-	
T _j = + 2°C	P _{dh}	12.1	kW
Degradation co-efficient(**)	C _{dh}	1.00	
T _j = + 7°C	P _{dh}	7.7	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = + 12°C	P _{dh}	5.2	kW
Degradation co-efficient(**)	C _{dh}	0.98	
T _j = bivalent temperature	P _{dh}	12.1	kW
T _j = operation limit temperature(***)	P _{dh}	12.1	kW
Bivalent temperature	T _{biv}	2	°C
Reference design conditions for space heating	T _{designh}	2	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	COP _d	-	
T _j = + 2°C	COP _d	2.05	
T _j = + 7°C	COP _d	3.44	
T _j = + 12°C	COP _d	5.67	
T _j = bivalent temperature	COP _d	2.05	
T _j = operation limit temperature(***)	COP _d	2.05	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	3869	kWh

Rated air flow rate, outdoors		2640	m ³ /h
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For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.160	kWh
Annual electricity consumption	AEC	696	kWh

Water heating energy efficiency	η _{wh}	158	%
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Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY ANON İŞTİRLİK VE İNŞAAT SAN. VE TİC. A.Ş. Yönetim Binası, Yöresal Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusre - Manisa

The identification and signature of the person empowered to bind the supplier:

The signature is signed in the average climate / medium-temperature section.

Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM120VAA
	Indoor unit:	ERST20F-VM6E
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.1	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	P _{dh}	-	kW
Degradation co-efficient(**)	C _{dh}	-	
T _j = + 2°C	P _{dh}	12.1	kW
Degradation co-efficient(**)	C _{dh}	1.00	
T _j = + 7°C	P _{dh}	7.7	kW
Degradation co-efficient(**)	C _{dh}	0.99	
T _j = + 12°C	P _{dh}	4.4	kW
Degradation co-efficient(**)	C _{dh}	0.97	
T _j = bivalent temperature	P _{dh}	12.1	kW
T _j = operation limit temperature(***)	P _{dh}	12.1	kW
Bivalent temperature	T _{biv}	2	°C
Reference design conditions for space heating	T _{designh}	2	°C
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW
Standby mode	P _{SB}	0.015	kW
Crankcase heater mode	P _{CK}	0.000	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	239	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7°C	COP _d	-	
T _j = + 2°C	COP _d	3.30	
T _j = + 7°C	COP _d	5.37	
T _j = + 12°C	COP _d	7.49	
T _j = bivalent temperature	COP _d	3.30	
T _j = operation limit temperature(***)	COP _d	3.30	
Operation limit temperature	TOL	-30	°C
Heating water operating limit temperature	WTOL	70	°C
Supplementary heater			
Rated heat output(*)	P _{sup}	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB
Annual energy consumption	Q _{HE}	2671	kWh

Rated air flow rate, outdoors		2640	m ³ /h
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For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.160	kWh
Annual electricity consumption	AEC	696	kWh

Water heating energy efficiency	η _{wh}	158	%
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Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY ANON İŞTİSM. ŞİRKETİ
 Yabancı Sanayi Sitesi, Kısıköy Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusre - Manisa

The identification and signature of the person empowered to bind the supplier:

The signature is signed in the average climate / medium-temperature section.

Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.