



Mitsubishi Electric Erp Directive Related Product Information: erp.mitsubishielectric.eu/erp

PRODUCT FICHE
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

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

1.SPACE HEATER		For medium-temperature application												Fo	r low-ten	nperature	applicat	ion				_					
1	2	3	6	8	11	9	13	15	16	21	22	17	18	25	4	6	8	11	9	13	15	16	21	22	17	18	25
Outdoor unit	Indoor unit	Medium-temperature application	Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{WA} indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	Sound power level L _{WA} outdoor	Low-temperature application	Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{WA} indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	Sound power level Lym outdoor
				kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	dB			kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	dB
PUZ-SWM60VAA	EHSD-****D	~	A++	6	126	3834	41	6	6	111	150	5181	2093	54	~	A+++	6	181	2701	41	6	6	135	208	4284	1519	54
	ERSD-****D	~	A++	6	128	3779	41	6	6	112	155	5147	2027	54	~	A+++	6	184	2646	41	6	6	136	218	4251	1453	54
PUZ-SWM80VAA	EHSD-****D	~	A++	8	129	5016	41	8	8	111	162	6890	2584	54	~	A+++	8	181	3599	41	8	8	141	219	5460	1928	54
	ERSD-****D	~	A++	8	130	4961	41	8	8	112	167	6857	2517	54	~	A+++	8	184	3543	41	8	8	142	227	5427	1862	54
PUZ-SWM80YAA	EHSD-****D	~	A++	8	128	5053	41	8	8	111	162	6923	2584	54	~	A+++	8	179	3636	41	8	8	141	219	5493	1928	54
	ERSD-****D	~	A++	8	130	4972	41	8	8	112	167	6875	2517	54	~	A+++	8	183	3555	41	8	8	142	227	5444	1862	54
PUZ-SWM100VAA	EHSD-****D	~	A++	10	132	6106	41	10	10	109	156	8813	3362	58	~	A+++	10	178	4564	41	10	10	147	223	6575	2369	58
	ERSD-****D	~	A++	10	134	6051	41	10	10	109	159	8780	3296	58	~	A+++	10	180	4509	41	10	10	147	229	6555	2302	58
PUZ-SWM100YAA	EHSD-****D	~	A++	10	132	6141	41	10	10	109	154	8840	3405	58	~	A+++	10	177	4600	41	10	10	146	219	6601	2411	58
	ERSD-****D	~	A++	10	133	6061	41	10	10	109	159	8791	3308	58	~	A+++	10	180	4519	41	10	10	147	228	6565	2314	58
PUZ-SWM120VAA	EHSD-****D	~	A++	12	131	7450	41	12	12	109	154	10673	4115	58	~	A+++	12	177	5566	41	12	12	141	221	8290	2882	58
1 02-041W1204704	ERSD-****D	~	A++	12	132	7395	41	12	12	109	157	10640	4049	58	~	A+++	12	178	5511	41	12	12	141	227	8257	2816	58
PUZ-SWM120YAA	EHSD-****D	~	A++	12	131	7485	41	12	12	109	153	10698	4157	58	~	A+++	12	176	5600	41	12	12	140	218	8316	2922	58
F02-3WW1201AA	ERSD-****D	~	A++	12	132	7404	41	12	12	109	156	10649	4060	58	~	A+++	12	178	5520	41	12	12	141	226	8267	2825	58
PUZ-SWM140VAA	EHSD-****D	~	A++	14	134	8438	41	14	14	104	150	12843	4893	58	~	A+++	14	175	6483	41	14	14	132	219	10250	3367	58
F02-3WW140VAA	ERSD-****D	~	A++	14	135	8383	41	14	14	105	152	12810	4826	58	~	A+++	14	177	6428	41	14	14	132	224	10217	3301	58
PUZ-SWM140YAA	EHSD-****D	~	A++	14	134	8473	41	14	14	104	149	12867	4934	58	~	A+++	14	175	6517	41	14	14	131	217	10275	3407	58
FUZ-3WW14U1AA	ERSD-****D	~	A++	14	135	8392	41	14	14	105	152	12819	4837	58	~	A+++	14	177	6437	41	14	14	132	223	10226	3310	58
DUZ CUNMACOVA A	EHSD-****D	~	A++	6	129	3761	41	6	6	115	159	4993	1980	54	~	A+++	6	184	2655	41	6	6	138	220	4202	1437	54
PUZ-SHWM60VAA	ERSD-****D	~	A++	6	131	3706	41	6	6	116	165	4960	1914	54	~	A+++	6	188	2600	41	6	6	139	231	4168	1371	54
	EHSD-****D	~	A++	8	132	4904	41	8	8	115	167	6705	2521	54	~	A+++	8	184	3530	41	8	8	146	225	5299	1874	54
PUZ-SHWM80VAA	ERSD-****D	~	A++	8	133	4849	41	8	8	115	171	6672	2454	54	~	A+++	8	187	3475	41	8	8	147	233	5266	1808	54
	EHSD-****D	~	A++	8	131	4941	41	8	8	114	167	6737	2521	54	~	A+++	8	182	3568	41	8	8	145	225	5332	1874	54
PUZ-SHWM80YAA	ERSD-****D	~	A++	8	133	4860	41	8	8	115	171	6689	2454	54	~	A+++	8	187	3487	41	8	8	146	233	5284	1808	54
	EHSD-****D	~	A++	10	136	5936	41	10	10	116	164	8272	3204	58	~	A+++	10	183	4444	41	10	10	149	236	6480	2233	58
PUZ-SHWM100VAA	ERSD-****D	~	A++	10	138	5881	41	10	10	117	167	8239	3138	58	~	A+++	10	185	4389	41	10	10	150	244	6447	2167	58
	EHSD-****D	~	A++	10	135	5972	41	10	10	116	162	8298	3246	58	~	A+++	10	181	4480	41	10	10	149	232	6508	2276	58
PUZ-SHWM100YAA	ERSD-****D	~	A++	10	137	5891	41	10	10	117	167	8250	3149	58	~	A+++	10	185	4399	41	10	10	150	242	6459	2179	58
	EHSD-****D	~	A++	12	136	7169	41	12	12	117	161	9902	3952	58	~	A+++	12	179	5481	41	12	12	149	232	7843	2753	58
PUZ-SHWM120VAA	ERSD-****D	~	A++	12	138	7114	41	12	12	118	163	9869	3886	58	~	A+++	12	181	5426	41	12	12	150	238	7810	2687	58
	EHSD-****D	~	A++	12	136	7204	41	12	12	117	159	9927	3995	58	~	A+++	12	178	5516	41	12	12	149	228	7868	2793	58
PUZ-SHWM120YAA	ERSD-***D	~	A++	12	137	7123	41	12	12	118	163	9878	3898	58	~	A+++	12	181	5435	41	12	12	150	237	7819	2696	58
	EHSD-****D	~	A++	14	141	8021	41	14	14	115	156	11650	4715	58	~	A+++	14	183	6227	41	14	14	153	225	8841	3279	58
PUZ-SHWM140VAA	ERSD-****D	·	A++	14	142	7965	41	14	14	116	158	11617	4649	58	~	A+++	14	184	6172	41	14	14	154	230	8807	3212	58
	EHSD-****D	Ž	A++	14	141	8055	41	14	14	115	154	11674	4757	58	Ž	A+++	14	182	6262	41	14	14	153	222	8865	3319	58
PUZ-SHWM140YAA	ERSD-****D	Ž	A++	14	142	7974	41	14	14	116	158	11625	4659	58	Ž	A+++	14	184	6181	41	14	14	154	229	8816	3222	58
	E.105- D		N. C	1-4	142	1014	41	1.4	1.4	110	100	11023	4000	- 50		A T	1.4	104	0101	71	1-4	1-4	104	223	0010	JEEE	- 50

PUZ-SHWM140YAA	ERSD-****D	~	A++	14	142	7974	41	14	14	116	158 11625	4659	58	~	A+++	14	184	6181	41 14	4 14	154	229	8816	3222 58																
2.COMBINATION HEATE	ER.										For medium-tem	perature ·	applicati.	on																For low-ten	nperature o	oplicatio	n							
1	2	3	5	6	7	8	9	10	11	12	13 14	15	applicati 16	on 17	18	19	20	21	22 23	3 24	25	4	5	6 7	8	9	10	11		13 14	-	16	n 17 18	19	20	21	22	23	24	25
		g.		*	*		der		2 6 2	» «	90	L	5		. 2		SI SI	y	> o >	> 5	2			» »		ider	8 ,	. 9	NS NS	90	_	à		92	. 2	۸	× 0	>	> 2	
Outdoor unit	Indoor unit	Medium-temperature application	Declared load profile	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption un saverage climate conditions	For water heating, annual electricity consumption	Seasonal space heating energy efficiency under average climate	conditions Water heating energy efficiency under average climate condition	Sound power level L _{vin} indoor Sound power level L _{vin} indoor Work only during off-peak hour	Rated heat output under colder simple conditions	Rated heat output under warms	For space heating, annual energy consumption	For space heating, annual energy consumption under warmer climate condition	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under warmer climate condition	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions Water heating energy efficiency	under colder climate conditions under heating energy efficiency	Sound power level L _{WA} outdoor	Low-temperature application	Declared load profile	Seasonal space healing energy efficiency class Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption un average climate conditions	For water heating, annual electricity consumption under average climate condition	% efficiency under average climate conditions	Water heating energy efficiency under average climate condition	Sound power level L _{Wk} indoor Work only during off-peak hour	Rated heat output under colder S climate conditions	Rated heat output under warms	For space heating, annual energy consumption for colder climate conditions For space heating, annual energy consumption	nuder warmer climate condition For water heating, annual energy consumption	runder colder climate conditions For water heating, annual energy consumption under warmer climate condition	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate condition	Sound power level L _{WA} outdoor
	EHST17D-****D	~	L	A++	A+	6	3834	880	126	6 134	41 -	6	6	5181	2093	1060	846	111	150 10	5 135	5 54	~	L	A+++ A+	6	2701	880	181	134	41 -	6	6	4284 151	9 106	846	135	208	105	135	54
	ERST17D-****D	~	L	A++	A+	6	3779					6	6	5147		1060	846	112		5 135	_	~	_	A+++ A+				_		41 -	6	6	4251 145	_	_	136	218	105	135	54
PUZ-SWM60VAA	EHST20D-****D ERST20D-****D	*	L	A++ A++	A+ A+	6	3834 3779	898	128	B 134	41 -	6	6	5181 5147	2027	_	841 841	111 112		9 139	54	*	L	A+++ A+ A+++ A+	6	2646	898	181 184	134	41 -	6	6	4284 151 4251 145	3 104	14 841	135 136	208 218	109 109	139 139	54 54
	EHST30D-****D ERST30D-****D	~	XL	A++	A+	6	3834 3779		_			6	6	5181		1650 1650	1232	111	150 11 155 11			*		A+++ A+ A+++ A+	_	2701 2646		181		41 -	6	6	4284 151 4251 145	_	_	135 136	208 218	111	155 155	54 54
	EHST17D-****D	· •	L	A++	A+	8	5016	_	_	_		8	8	6890	_		846	111		5 135	_	~	_	A+++ A+	_		_	181		41 -	8	8	5460 192	-		141	219	105	135	54
	ERST17D-****D	~	L	A++	A+	8	4961		_	_		8	8	6857		1060	846	112		05 135		4	_	A+++ A+	_	3543			_	41 -	8	8	5427 186	_	_	142	227	105	135	54
PUZ-SWM80VAA	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	8	5016 4961		129	_		8	8	6890 6857		1044	841 841	111	162 10 167 10	9 139 9 139	_	*	_	A+++ A+ A+++ A+	_	3599 3543	_	181 184		41 -	8	8	5460 192 5427 186	_	_	141 142	219 227	109	139 139	54 54
	EHST30D-****D	~	XL	A++	A+	8	5016					8	8	6890		1650	1232	111		1 155	_	~	XL			_		181		41 -	8	8	5460 192	_	_	141	219	111	155	54
	ERST30D-****D	V	XL	A++	A+	8	4961	_	_	_		8	8	6857	_	1650	1232	112	167 11	_	_	4	_	A+++ A+	_		_	184		41 -	8	8	5427 186	_	_	142	227	111	155	54
	EHST17D-****D ERST17D-****D	~	L	A++	A+	8	5053 4972		_	_		8	8	6923		1060	846 846	111)5 135)5 135	_	*	_	A+++ A+ A+++ A+		3636 3555	_	179	_	41 -	8	8	5493 192 5444 186	_	_	141	219 227	105	135 135	54 54
PUZ-SWM80YAA	EHST20D-****D	~	L	A++	A+	8	5053		_	_	41 -	8	8	6923	2584	1044	841	111	162 10	_	_	~	L	A+++ A+	8	3636	898	179		41 -	8	8	5493 192	8 104	_	141	219	109	139	54
02-04411001744	ERST20D-****D EHST30D-****D	~	L	A++ A++	A+	8	4972 5053			_		8	8	6875			841	112	167 10	_	_	~		A+++ A+		3555	_	183		41 -	8	8	5444 186 5493 192	_	_	142	227	109	139	54
	ERST30D-***D	~	XL	A++	A+	8	4972		_	_		8	8	6923		1650 1650	1232	111	162 11 167 11	11 155 11 155		~		A+++ A+ A+++ A+	8	3636 3555		179		41 -	8	8	5493 192 5444 186		_	141	219 227	111	155 155	54 54
	EHST20D-****D	~	L	A++	A+	10	6106	898	132	2 134	41 -	10	10	8813		1044	841	109		9 139	_	~	_	A+++ A+	10		_	178	134	41 -	10	10		9 104	4 841	147	223	109	139	58
PUZ-SWM100VAA	ERST20D-****D EHST30D-****D	*	L XL	A++ A++	A+ A+	10	6051 6106	_	134	_		10	10	8780 8813		1044 1650	841 1232	109 109	159 10 156 11	9 139 11 155	_	*	_	A+++ A+ A+++ A+				180 178		41 -	10	10		_	_	147 147	229 223	109	139 155	58 58
	ERST30D-****D	~	XL	A++	A+	10	6051		_	_		10	10	8780	_	1650	1232	109	156 11	_	_	~	_	A+++ A+	_	_	_	180	_	41 -	10	10		_	_	147	223	111	155	58
	EHST20D-****D	~	L	A++	A+	10	6141	_	132	2 134	41 -	10	10	8840	3405	1044	841	109	154 10	9 139	58	~	L	A+++ A+	10	4600	898	177	134	41 -	10	-	6601 241	1 104	14 841	146	219	109	139	58
PUZ-SWM100YAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	10	6061 6141		_	_		10	10	8791 8840	_		841 1232	109	159 10 154 11)9 139 11 155	_	~		A+++ A+ A+++ A+	_	_		180 177	_	41 -	10	10		_	_	147 146	228 219	109	139 155	58 58
	ERST30D-****D	-	XL	A++	A+	10	6061					10	10	8791				109	159 11	_		~	XL					_		41 -	10			_	_			111	155	58
	EHST20D-***D	~	L	A++	A+	12	7450			_		12	12	10673		_	841	109	154 10	_	_	~		A+++ A+				_	_	41 -	12	_		_		141	221	109	139	58
PUZ-SWM120VAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+ A+	12	7395 7450		133	_		12	12	10640		1044 1650	841 1232	109	157 10 154 11	9 139 11 155	_	*	-	A+++ A+ A+++ A+	_			178 177		41 -	12	12		_		141	227	109	139 155	58 58
	ERST30D-****D	-	XL	A++	A+	12	7395	_	_	_		12	12	10640		1650	1232	109		1 155	_	~	XL		_	_	_			41 -	12	12		_	_	141	227	111	155	58
	EHST20D-****D	~	L	A++	A+	12	7485		13	_		12	12	10698		1044	841	109	153 10	_	_	~	_	A+++ A+	12			176		41 -	12	12			_	140	218	109	139	58
PUZ-SWM120YAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	12	7404 7485			_		12	12	10649		1044	841 1232	109)9 139 11 155		~		A+++ A+ A+++ A+	_	_		_		41 -	12	12		_	_	141	226 218	109	139 155	58 58
	ERST30D-****D	-	XL	A++	A+	12	7404		_			12	12	10649		1650	1232	109	156 11			~		A+++ A+	_			178	_	41 -	12	12			_	141	226	111	155	58
	EHST20D-****D	~	L	A++	A+	14	8438			_		14	14	12843		1070	888	104		5 130	_	~		A+++ A+	_			175	-	41 -	14	_			_	132	219	105	130	58
PUZ-SWM140VAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+ A	14	8383 8438	_	13			14	14	12810	_	1070 1755	888 1434	105 104	152 10 150 10	05 130 04 130		*	_	A+++ A+ A+++ A	_	_		177 175	_	41 -	14	14			_	132	224 219	105	130	58 58
	ERST30D-****D	-	XL	A++	A	14	8383	_	_	_		14	14	12810			1434	105	152 10		_	~	_	A+++ A	14	_		177		41 -	14	_		_		132	224	104	130	58
	EHST20D-****D	~	L	A++	A+	14			_	_		14	14	12867			888	104		5 130	_	~	_	A+++ A+	_	_		_		41 -	14	-	10810 010			131	217	105	130	58
PUZ-SWM140YAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+ A	14	8392 8473	_	_	_		14	14	12819			888 1434	105 104	152 10 149 10	05 130 04 130		~	_	A+++ A+ A+++ A	_	_		177 175		41 -	14	14		_		132	223 217	105	130	58 58
	ERST30D-****D	~	XL		A	14	8392			_		14		12819		1755	1434	105	152 10	_	_	~	XL		14	_		_	_	41 -	14	_		_	_	132	223	104	130	58
	EHST17D-****D	*	L	A++	A+	6	3761			_		6	6	4993		1060	846	115		5 135	_	~		A+++ A+	_	_		184		41 -	6	6	4202 143	_		138	220	105	135	54
	ERST17D-****D EHST20D-****D	~	L	A++	A+	6	3706 3761			_		6	6	4960		_	846 841	116 115)5 135)9 139		*	_	A+++ A+ A+++ A+	_	_		188 184		41 -	6	6	4168 137 4202 143	_		139 138	231	105	135	54 54
PUZ-SHWM60VAA	ERST20D-****D	~	L	A++	A+	6	3706		_			6	6	4960		1044	841	116		9 139		~	_	A+++ A+	_	2600		188		41 -	6	6	4168 137	_		139	231	109	139	54
	EHST30D-****D	~	XL	A++	A+	6	3761	1404	_	_		6	6	4993		1650	1232	115	159 11	_		*		A+++ A+		2655		184		41 -	6	6	4202 143			138	220	111	155	54
	ERST30D-****D EHST17D-****D	~	XL L	A++ A++	A+	6	3706 4904	_	13			6	6	4960 6705		1650 1060	1232 846	116 115	165 11 167 10	11 155	-	~	XL L	A+++ A+ A+++ A+	_	2600 3530		188		41 -	6	6	4168 137 5299 187	_		139 146	231 225	111	155 135	54 54
	ERST17D-****D	~	L	A++	A+	8	4849	880	133	3 134		8	8	6672	2454			115	171 10	05 135	5 54	~	_	A+++ A+		3475		187	134	41 -	8	8	5266 180	8 106	846	147	233	105	135	54
PUZ-SHWM80VAA	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	8	4904 4849	_	_			8	8	6705 6672			841 841	115 115	167 10 171 10			~		A+++ A+ A+++ A+	_					41 -	8	8	5299 187 5266 180			146 147	225	109	139 139	54
	EHST30D-****D	~	XL	A++	A+	8	4904	_	_			8	8	6705				115	167 11			~	XL		_	_		184		41 -	8	8	5299 187	_		146	225	111	155	54
	ERST30D-****D	*	XL		A+	8	4849	_	_	_		8	8	6672	_	_	1232	115	171 11	_	_	4	XL		_	_	_	_	_	41 -	8	_		_	_	_		111	155	54
	EHST17D-****D ERST17D-****D	~	L	A++ A++	A+	8	4941 4860		_	_		8	8	6737 6689				114	167 10 171 10)5 135)5 135	_	~	_	A+++ A+ A+++ A+	_	_		182 187	_	41 -	8	8	5332 187 5284 180	_		145 146	225	105	135 135	54 54
PUZ-SHWM80YAA	EHST20D-****D	~	L	A++	_	8	4941	898	13	1 134	41 -	8	8	6737	2521	1044	841	114	167 10	9 139	54	~	L	A+++ A+	8	3568	898	182	134	41 -	8	_	5332 187	4 104	14 841	145	225	109	139	54
	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+	8	4860 4941	_				8	8	6689 6737			841 1232	115 114	171 10 167 11	9 139 11 155		~	L XL	A+++ A+ A+++ A+				187 182	_	41 -	8	8	5284 180 5332 187			146 145	233 225	109	139 155	54 54
	ERST30D-****D	~	XL		A+	8	4860	_	_	_		8	8	6689				115	171 11	_		~	XL			_			_	41 -	8	_		_		146		111	155	54
	EHST20D-****D	~	L	A++		10		_				10	10	8272				116		9 139		*		A+++ A+	_					41 -	10				_	149	236	109	139	58
PUZ-SHWM100VAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+	10	_	_	_	_		10	10	8239 8272				117 116		9 139 11 155		~	L XL					185 183		41 -	10	10		_		150 149	244	109	139 155	58 58
	ERST30D-****D	~	XL			10	_					10			3138			117		11 155	_	~	XL					_	_	41 -	10	_				150	244	111	155	58
	EHST20D-****D	Y	L	A++	A+	10	_	_	_			10	10	8298				116	162 10	_	_	Y		A+++ A+				181		41 -	10	_				149	232	109	139	58
PUZ-SHWM100YAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+ A+	10	5891 5972	_	_			10	10	8250 8298	_			117 116	167 10 162 11)9 139 11 155		~	XL	A+++ A+ A+++ A+	_			185 181	_	41 -	10	_		_	_	150 149	242 232	109	139 155	58 58
	ERST30D-****D	~	XL		A+	10	_		_	7 133	41 -	10	10	8250				117	167 11	_		~	XL	A+++ A+				185	133	41 -	10	_				150	242	111	155	58
	EHST20D-****D	*	L	A++	_	12			_	_		12	12	9902				117		9 139		4		A+++ A+				_	_	41 -	12	_				149	232	109	139	58
PUZ-SHWM120VAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+	12	7114 7169		_	_		12	12	9869 9902	_			118 117	163 10 161 11	9 139 11 155		~	L XL							41 -	12	_				150 149	238	109	139 155	58 58
	ERST30D-****D	~	XL		_	_	7114	_	_			12	12	9869		1650	1232	118	163 11	_	_	~	XL					_	_	41 -	12	_		_		150	238	111	155	58
	EHST20D-****D	Y	L	A++	A+	12	_	_	_	_		12	12	_		_	841	117	159 10	_		Y		A+++ A+						41 -	12	_		_		149		109	139	58
PUZ-SHWM120YAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	12	7123 7204	_	_			12	12	9878 9927				118 117	163 10 159 11	_		~	L XL	A+++ A+ A+++ A+				_		41 -	12	_		_		150 149	237 228	109	139 155	58 58
	ERST30D-****D	~		A++				1404				12			3898		1232			11 155			XL							41 -	12		7819 269					111	155	58
	EHST20D-****D	~	L	A++	A+	14		_		_		14	14		0 4715			115	156 10			*		A+++ A+				_		41 -	14	_		_		153	225	105	130	58
PUZ-SHWM140VAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+	14	_	_				14	14	_	7 4649 0 4715	_		116 115	158 10 156 10			*	L XL	A+++ A+ A+++ A				184		41 -	14	_				154 153	230 225	105	130	58 58
	ERST30D-****D	~	XL	_	A	14	7965	1610	142	2 114	41 -	14	14	11617	7 4649	1755	1434	116	158 10	130	58	~	XL		14	6172		_	114	41 -	14	_	8807 321	2 175	55 1434	154		104	130	58
	EHST20D-****D	*	L	A++	A+	14						14			4 4757			115	154 10			4		A+++ A+				182		41 -	14	14				153	222	105	130	58
PUZ-SHWM140YAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	_	14		_	_	_		14	_	_	5 4659 4 4757	_		116 115)5 130)4 130		~	L XL	A+++ A+ A+++ A	_	_		_		41 -	14	_	8816 322 8865 331	_		154 153		105	130	58 58
	ERST30D-****D	·		A++	_			1610				14			5 4659		1434			130			XL			6181				41 -	14				55 1434			104	130	58
	· · · · · · · · · · · · · · · · · · ·																																							

η σταθμη ηχητικής ισχυός L _{ww} εξωτερικου χωρου	O nivel de potencia sonora L _{WA} , no exterior n poziom mocy akustycznej L _{WA} , na zewnątrz -	lydelfektniveau L $_{WA}$ i иde нивото на звуковата мощност L $_{WA}$ на открито	Ljudelfektinvan L _{WA} , utomnus Inladina akustického výkonu L _{WA} ve venkovním prostoru	25 fiet geliudsvermogensniveau L _{WA} bullen äänitehotaso L _{WA} ulkona
el nivel de potencia acústica L _{WA} en exteriores			der Schallleistungspegel L _{WA} im Freien	So
η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες -	a eficiência energética do aquecimento de água em condições climáticas mais quentes que efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego -	energieffektiviteten ved vandopvarmning under varmere kilmaforhold енергийната ефективност при подгряване на вода при по-топли климатични условия	Energieffektivítet víd vattenuppvärmning under varmare klimatförhállanden energetická účinnost ohřevu vody za teplejších klimatických podmínek	24 de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa
la eficiencia energética de caldeo de agua en condiciones climáticas más cálidas	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde la	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	Water heating energy efficiency under warmer climate conditions
η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες -	a eficiência energética do aquecimento de água em condições climáticas mais frias n efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego	energieffektiviteten ved vandopvarmning under koldere klimaforhold енергийната ефективност при подгряване на вода при по-студени климатични услови	Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden energetická účinnost ohfevu vody za chladnéjších klimatíckých podmínek	23 <u>de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden</u> vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa
la eficiencia energética de caldeo de agua en condiciones climáticas más frías	refficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde la	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	Water heating energy effic
	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł edo	сезонната енергийна ефективност при отопление при по-топли климатични условия	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθή κες	Cariue A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais nuentes	umadupes plus criadues årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden
la eficiencia energética estacional de calefacción en condiciones climáticas más cálidas	oonego Tefficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più la	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	Seasonal space heating energy efficiency under warmer climate conditions
- 188	ırıds 1 sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chi 	сезонната енергийна ефективност при отопление при по-студени климатични условия	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	kiiridadunistariugineueri tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθή	nreduce A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais nredicas mais no frances de constitues de consti	dinimatiques plus trotues arsvirkningsgraden ved rumopvarmning under koldere klimaforhold	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere
la eficiencia energética estacional de calefacción en condiciones climáticas más frías	stagionale di riscaldamento d'ambiente in condizioni climatiche più	атични условия l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	Seasonal space heating energy efficiency under colder climate conditions
συνθήκες -	mais quentes u odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach - telephonologiczne warunkach	за подгряване на вода, годишното потребление на електроенергия при по-топли клим	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	klima
lidas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές		ques plus chaudes dopvarmning det årl	ssen r vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	se elektriciteitsverbruik onder warm
para calentar agua, el consumo anual de electricidad en condiciones climáticas más cá	chłodnego scaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più	'eau, la consommation annuelle d'électricité, dans les cor	rmwas	For water heating, annual energy consumption under warmer climate conditions
C anglyks?	mais fras w odniesieniu do nodorzewania wody roczne zużycje energii elektrycznej w warunkach w odniesieniu do nodorzewania wody roczne zużycje energii elektrycznej w warunkach	за подгожање на вода голиното потоеблење на верствоенем кого вода подгожање на верствоенем кого вода подгожа подгожа подгожа подгожа на верствоенем кого вода подгожање на верствоенем кого вода подгожа по	nro ohřev vodv – roční spotřeha elektrické energie za chladněších klimatických podmínek	19
para carentar aguat, el consumo anual de electricidad en condiciones cimaticas mas mas via θέρμανση νερού, η επήσια καταγάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικέ	anamento dei acqua, il consumo anuto di energia, in condizioni cimaticas più all'empero de acqua, o consumo anutal de eletricidade em condicões climáticas	pour le criadurage de l'edu, la consommation annuelle d'electricite, dans les conditions climatiques plus froides for vandopyarming det àrlige elforbrug under koldere klimatorhold	ur die warinwasserbeteilung, der Janniche Sciontwerbrauch der kalteren Nimaverna Itnissen För vattenupwärmning, ärlig elförbrukning under kallare klimatförhållanden	< 1 7
	ergii w warunkach klimatu	потребление на енергия при по-топли клиг	êní – roční spotřeba energie za teplejších klimatických podmínek	jiankulutus lämpimissä ilmast
για θέρμανση χώρου, η επήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais violentes	for rumopvarmning det årlige energiforbrug under varmere klimaforhold	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	18 voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden
para calentar espacios, el consumo anual de energía en condiciones climáticas más cá lidas	idamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	For space heating, annual energy consumption under warmer climate conditions
	mas w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ch łodneco	за отопление, годишното потребление на енергия при по-студени климатични услови я	pro vytápění – roční spotřeba energie za chladnější klimatických podmínek	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa
για θέρμανση χώρου, η επήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες	ucimento ambiente, o consumo anual de energia em condições climáticas mais	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	17 voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere
para calentar espacios, el consumo anual de energía en condiciones climáticas más frías	scaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	normalizario romania modifica i par normalizario nun si materna in processo pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froibes	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	For space heating, annual energy consumption under colder climate conditions
η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες -	A potência calorifica nominal em condições climáticas mais quentes namionowa mos cientra w warmkach klimátir cientego	den nominelle nytteeffekt under varmere klimaforhold	Nominell avgiven värmeeffekt vid varmare klimatförhållanden Imenovitý tenelný výkon za teoleiších klimatických nodmínek	16 de nominale warmteafgifte, onder warmere klimaatomstandigheden nimellisjännöteho jämnimissä ilmastruoksuhteissa
la potencia calorífica nominal en condiciones climáticas más cálidas	znamionowa moc cieplna w warunkach Klimatu chłodnego - la potenza termica nominale, in condizioni climatiche più calde la	номиналната топлинна мощност при по-студени климатични условия la puissance thermique nominale, dans les conditions climatiques plus chaudes	jmenovitý tepelný výkon za chladnějších klimatických podmínek die Wärmenennleistung bei wärmeren Klimaverhältnissen	nimellislämpöteho, kylmissä ilmasto-olo Rated heat output under warmer climate
la potencia calorífica nominal en condiciones climáticas más frías η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες	la potenza termica nominale, in condizioni climatiche più fredde A potência calorifica nominal em condições climáticas mais frias n	la puissance thermique nominale, dans les conditions climatiques plus froides den nominelle nytteeffekt under koldere klimaforhold	die Wärmenennleistung bei kälteren Klimaverhältnissen Nominell avgiven värmeeffekt vid kallare klimatförhållanden	Rated heat output under colder climate conditions 15 de nominale warmteafgifte, onder koudere klimaatomstandigheden
νειιουργια μονο εκτος των ωρων αιχμής	de unicional unicamente rora das noras de pico pracować jedynie w godzinach poza szczyłowym obciążeniem	работи само в часовете извън върховото натоварване	provozu pouze mimo špičku	14 Weirkeit utsitulieria in de daturen toimimaan ainoastaan kulutushuippujen ulkopuolella
funcionar solamente durante las horas de baja demanda	funzione soltanto durante fe ore morte	fonctionner qu'en l'entre creuses	dass ein ausschließlicher Betrieb des Kombineizgerätes zu Schwachlastzeiten	Work only during of speak hours
η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου	O nivel de potência sonora L _{WA} on interior noviem moru abutuvana i w nomisezozani	lydefickriveauet L _{Wk} i inde	Ljudeffektivisk _{IVM} , i noordoori Ljudeffektivisk _{IVM} , i noordoori Hadina akuslisk bho vikrout I ve vnijfnim noostoni	13 het geluidsvermoşensiveau L _{WA} binnen äänitahotaso I skällä äänitahotaso I skällä
e nivel de notencia adistica I en interiores	l all'interno	le niveau de puissance acoustique à l'intérieur	der Schallleistungsnegel I in Gehällden	Sound nower level I, indoor
η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -	a eficiência energética do aquecimento de água(em condições climáticas médias) neficiêntivemos energetica do aquecimento de água(em condições climáticas médias) neficiêntivemos energeticas poddrzewania wody/w warunkach klimatu umiarkowanego)	energieffekt/witeten ved vandopvarmning(under gennemsnitilge klimaforhold) енергийната ефективност при подпояване на вода(при средни климатични условия)	Energieffektivítet vid vattenuppvärmning(vid genomsnittliga klimatförhállanden) energelická účinnost phřevu vodv za průměrných klimatických podmínek	12 de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden) vedenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)
la eficiencia energética del caldeo de agua(en condiciones climáticas medias)	si riscaldamento dell'acqua(in condizioni climatiche medie)	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques movennes)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	Water heating energy efficiency under average climate conditions
	dias) sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu -	сезонната енергийна ефективност при отопление(при средни климатични условия)	natických podmínek	klimaatomstandigheden) tilalämmityksen kausittainen energia
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)	medie) A eficiência energética do aquecimento ambiente sazonal(em condições climáticas mé n	climatiques moyennes) årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	ltnissen Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde
la eficiencia energética estacional de calefacción(en condiciones climáticas medias)) itagionale di riscaldamento d'ambiente(in condizioni climatiche	ique saisonnière pour le chauffage des locaux(dans les con	jahreszeitbedingte Raumhelzungs-Energieeffizienz bei durchschnittlichen Klimavi	/ efficiency under average climate conditions
αυνθήκες) -	do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach	за подгряване на вода, годишното потребление(при средни климатични условия)	ohřev vody – roční spotřeba elektrické energie za průměrných klimatický	klimaatomstandigheden) vedenlämmityksestä vuotuinen sähk
για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές	_	climatiques moyennes) for vandopvarmning det årlige efforbrug(under gennemsnitlige klimaforhold)	lförbrukning(vi	ıt jaarlijkse elektriciteitsverbruik(onder gemiddel
para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)	nto dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	onsommation annuelle d'électricité(die Warmwasserbereitung, den jährlichen Stromverbrau	under averaç
		за отопление, годишното потребление на енергия(при средни климатични условия)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	ltilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)
για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)	energia(em condições climáticas mé	orhold)), årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	voor ruimteverwarming, het jaarlijkse energieverbruik(
- para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)	znamionowa moc cieplna(w warunkach klimatu umiarkowanego) per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche pa	номиналната топлинна мощност(при средни климатични условия) pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions	jmenovitý tepelný výkon(za průměrných klimatických podmínek) für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhä	nimellislämpöteho(keskimääräisissä ilmasto-olosuhteissa) For space heating, annual energy consumption under average climate conditions
la potencia calorífica nominal(en condiciones climáticas medias) η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)	la potenza termica nominale(in condizioni climatiche medie) la Potenzia calorifica nominal(em condições climáticas médias) n	la puissance thermique nominale dans les conditions climatiques moyennes den nominelle nytteeffekt(under gennemsnitige klimaforhold)	die Wärmenenleistung bei durchschnittlichen Klimaverhältnissen Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	Rated heat output under average climate conditions de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)
η ταξη ενεργετικής αποοσσής θερμανσής νερου	A ciasse de enciencia energenca do aquecimento de agua n A ciasse de enciencia energencia de aquecimento de agua n - kiasa efektywności energencia podgrzewania wody - r	класът на енергийната ефективност при подгряване на вода	energierrektivítetsklass via vattenuppvarmning třída energetické účinnosti ohřevu vody	de energie-efficienteklasse voor waterverwarming vedenlämmityksen energiatehokkuusluokka
la clase de eficiencia energética del caldeo de agua	la classe di efficienza energetica del riscaldamento dell'acqua	la classe d'efficacité énergétique, pour le chauffage de l'eau	die Klasse für die Warmwasserbereitungs-Energieeffizienz	Water heating energy efficiency
η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου	A classe de eficiência energética do aquecimento ambiente saconal In lunos normaniones de la constanción constanc	klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmningsgrad ved	säsongsrelaterade energifektivitetsklass vid rumsuppvärmning	6 de seizoensgebonden energie-efficiëntelkasse voor ruimteverwarming
la clase de eficiencia energética estacional de calefacción	Deklarowany profil obciążeń - la cłasse di efficienza enernetica stanionala del riscaldamento d'ambiente la	Обявен товаров профил а classe d'afficacité épernétique saisonnière nour le chauffage des locaux	Deklarovaný zátěžový profil die Klasse fiir die jehreszeithedingte Raumheizungs-Energieeffizienz	Ilmoitettu kuormitusprofiili
Perfil de carga declarado Δηλωμένο προφίλ φορτίου	Profilo di carico dichiarato Profilo de carga declarado Δ	Profil de soutirage déclaré Angivet forbrugsprofil	Angegebenes Lastprofil Deklarerad belastningsprofil	Declared load profile 5 Opgegeven capaciteitsprofiel
η εφαρμογή σε χαμηλή θερμοκρασία -	a aplicação a baixa temperatura zastosowania w niskich temperaturach -	lavlemperaturanvendelsen нискотемпературни приложения	lägtemperaturapplikation nizkoteplotni aplikace	4 lagetemperatuur-toepassing matalanlämpötilan sovellus
la aplicación de baja temperatura	zastosowania w srednich temperaturach le applicazioni a bassa temperatura la	среднотемпературното приложение l'application à basse température	Strednetepiotri aplikace Niedertemperaturanwendung	Low-temperature application
η εφορμογή σε μέση θερμοκρασία	e applicazioni a media temperatura a aplicação a média temperatura n	riapplication a moyenne temperature middeltemperaturanvendelsen	Mitteltemperaturanwendung mediumtemperaturapplikation	Medium-temperature application 3 middentemperatuur-toepassing
	jednostka wewnętrzna	Вътрешно тяло	Vnitřní jednotka	Sisäyksikkö
unidad interior Εσωτερική μονάδα	unità interna unidade interior E.	unité intérieure Indendørs enhed	Innengerät Inomhusenhet	Indoor unit binnenunit
Εξωτερική μονάδα	unidade exterior Et eldnostka zewnetrzna	Udendørs enhed Behulho 19/10	Utomhusenhet Venkovní jednotka	1 buitenunit Ulkoyksikkö
Lunidad exterior	Polski - unità esterna un	Български unité extérieure	Čeština Außengerät	suomi Outdoor unit
Español Ελληνικά	Italiano E. Português E.	Français Dansk	Deutsch Svenska	English Nederlands
	<u>, </u>			
				I MINISORE (EXC

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	;:	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	136	%
Declared capacity for heating for part	load at	indoor	•	Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^{\circ}$ C and outdoor temperature	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = − 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	COPd	2. 19	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	
Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	COPd	3. 38	-
Degradation co-efficient (**)	Cdh	0. 99	-			<u> </u>	
Tj = + 7 ° C	Pdh	4. 8	kW	Tj = + 7 ° C	COPd	4. 62	-
Degradation co-efficient (**)	Cdh	0. 99	-			<u> </u>	
Tj = +12 ° C	Pdh	2. 9	kW	Tj = +12 ° C	COPd	6. 30	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	1. 69	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1. 69	-
Discolar to the second second	TUTO	10	1	0	TOL	20	° C
Bivalent temperature Reference design conditions for space	Tbiv Tdesignh	-10 -10	° C	Operation limit temperature Heating water operating limit	TOL WTOL	-30 60	° C
heating Power consumption in modes other than				temperature Supplementary heater		00	
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Nateu Heat Output (*)	1 Sup	0.0	KII
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	. kW	Type of energy input		Electrical	
Other items	' CK	0.000	NII				
Capacity control		variable		Rated air flow rate, outdoors		2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA			2010	III / II
Annual energy consumption	Q _{HE}	5936	kWh				
For heat pump combination heater:	THE	0000	K.III				
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh		•		-
Annual electricity consumption	AEC	898	kWh				
Contact details		1					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - M	anisa, Turkey
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育藤健一				Kenichi SAITO			
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[·] 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

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	183	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	COPd	4. 62	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 00	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	3. 2	kW	Tj = +12 ° C	COPd	6. 96	-
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	2. 49	-
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	2. 49	-
			1				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	<u> </u>	Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW			l	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		1					
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m^3/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4444	kWh				
For heat pump combination heater:		•					
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	:19 Yunusemre - M	lanisa, Turkey
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The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	116	%
Declared capacity for heating for part	t load at	indoor	Į.	Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperature	ture T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	6. 1	kW	Tj = - 7 ° C	COPd	2. 62	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 0	kW	Tj = + 2 ° C	COPd	3. 50	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	3. 8	kW	Ti = + 7 ° C	COPd	4. 59	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	6, 88	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW	Tj = bivalent temperature	COPd	1. 57	_
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 59	-
Tj = -15 ° C (if TOL < -20 ° C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 57	_
Bivalent temperature	Thiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	I	Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	2. 0	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_SB	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8272	kWh				
For heat pump combination heater:			•	•			
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details				•			
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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	::	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	149	%
Declared capacity for heating for part	load at	indoor	l	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	6. 2	kW	Tj = − 7 ° C	COPd	3. 71	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 1	kW	Tj = + 2 ° C	COPd	4. 35	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 34	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	7. 50	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW	Tj = bivalent temperature	COPd	2. 00	-
Tj = operation limit temperature (***)	Pdh	7. 7	kW	Tj = operation limit temperature (***)	COPd	1. 57	-
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 00	-
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode		Supplementary heater			
Off mode	P_{0FF}	0. 015	kW	Rated heat output (*)	Psup	2. 3	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items						1	
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m^3/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	6480	kWh				
For heat pump combination heater:						T	
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details	NUITA OTUDINO T	TIDKEN TOTAL C	TOOK OOMDANY	Manian OCD 4 Kinim Kanilikawah Mah. Abmat Namif Zaul	I. D. I No.	10 V W	: Tl
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA The identification and signature of the				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u pulvari No:	is tunusemre - Ma	anisa, Turkey
				Kenichi SAITO			
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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	164	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	2. 10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	3. 53	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	4. 2	kW	Tj = +12 ° C	COPd	5. 75	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	2. 10	_
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	2. 10	_
•							
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	de		Supplementary heater		<u>I</u> .	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW		1	¥	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors		2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	3204	kWh				
For heat pump combination heater:			· · · · · · · · · · · · · · · · · · ·				
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	kWh				
Annual electricity consumption	AEC	841	kWh				
Contact details			•				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - Ma	nisa, Turkey
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The signature is signed in the average cli	mate / medio	um-temperatu	re section	Kenichi SAITO Manager, Quality Assuarance Department			
		23		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

^(**) 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.

Model(s):		Outdoor unit	t:	PUZ-SHWM100VAA			
		Indoor unit	:	EHST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	236	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperature	ure T j			part load at indoor temperature 20 ° C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	_
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	3. 50	_
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	5. 55	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 54	_
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3. 50	_
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3. 50	-
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	de		Supplementary heater		1 1	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_SB	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0. 000	kW				
Other items			<u>'</u>				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	2233	kWh				
For heat pump combination heater:			*				
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	kWh				
Annual electricity consumption	AEC	841	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - Ma	anisa, Turkey
The identification and signature of the	e person	empowered t	o bind the	supplier; Kenichi SAITO			
The signature is signed in the average clim	nate / medio	um-temperatu	re section.	Manager, Quality Assuarance 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

^(**) 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.

Model (s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	ERST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	138	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	COPd	2. 19	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	COPd	3. 38	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	4. 8	kW	Tj = + 7 ° C	COPd	4. 62	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	2. 9	kW	Tj = +12 ° C	COPd	6. 30	_
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	1. 69	_
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1. 69	-
Bivalent temperature	Tbiv	-10	l ° c	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	de	<u> </u>	Supplementary heater		I I	
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW	[]		! 	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		1	I				
Capacity control		variable		Rated air flow rate, outdoors		2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	5881	kWh				
For heat pump combination heater:		1	ı	-			
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details		1	I				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	lanisa, Tur
The identification and signature of th	e person	empowered	to bind th	• •			
育藤健一				Kenichi SAITO			
H WIR DE -				Manager, Quality Assuarance Department TURKEY			

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

^(**) 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.

Brine-to-water heat pump: no no	Model (s):		Outdoor uni	t:	PUZ-SHWM100VAA			
Brine-to-water heat pump: no no			Indoor unit	:	ERST20D-****D			
Continementarize heat pump: no no	Air-to-water heat pump:				yes			
Description Parameters Equipped with a supplementary heater: yes yes	Water-to-water heat pump:				no			
Equipped with a supplementary heater:	Brine-to-water heat pump:				no			
Parameters For	Low-temperature heat pump:				no			
Parameters for	Equipped with a supplementary heater:				yes			
Parameters for Symbol Value Unit Item Symbol Value Unit Item Symbol Value Unit Rated heat output (*) Prated 10.0 kW Beclared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared capacity for heating for part load at indoor Declared coefficient of performance or primary energy ratio for Declared coefficient (**) Cdh 1.00 Ch 1.00	Heat pump combination heater:				yes			
Item	Parameters for				low-temperature application.			
Rated heat output (*)	Parameters for				average climate conditions.			
Declared capacity for heating for part load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j per load at indoor temperature 20° C and outdoor temperature T j T j = +7 $^{\circ}$ C C CoPd 4° C OPd 4° C CoPd 4° C C	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor temperature T j part load at indoor temperature 20 ° C and outdoor 1 part load at indoor temperature 20 ° C and outdoor 1 part load at indoor temperature 20 ° C and outdoor 1 part load at indoor temperature 20 ° C and outdoor 1 part load at indoor temperature 20 ° C and outdoor 1 part load at indoor 1 part load at indoor 1 part load at indoor 1 part	Rated heat output (*)	Prated	10. 0	kW		η s	185	%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Declared capacity for heating for part	load at	indoor	•		ary energy	ratio for	
Degradation co-efficient (**) Cdh	temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = − 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	1. 00	-				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	COPd	4. 62	-
Degradation co-efficient (**) Cdh 0.98 - Tj = +12 ° C COPd 6.96 - Degradation co-efficient (**) Cdh 0.97 - Tj = bivalent temperature Pdh 10.0 kW Tj = bivalent temperature COPd 2.49 - Tj = operation limit temperature (***) Pdh 10.0 kW Tj = operation limit temperature (***) COPd 2.49 - Since Power consumption in modes other than active mode Off mode Poss 0.015 kW Thermostat-off mode Poss 0.015 kW Thermostat-off mode Poss 0.015 kW Standby mode Poss 0.015 kW Type of energy input Electrical Corankcase heater mode Other items Capacity control Variable Rated air flow rate, outdoors - 2640 m³/h Sound power level, indoors/outdoors L_{MA} 41 / 58 dBA	Degradation co-efficient (**)	Cdh	0. 99	-				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 00	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (****) Pdh Tj = operation limit temperature (****) Pdh Tj = operation limit temperature (****) Bivalent temperature Tbiv T-10 ° C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Thermostat-off mode Standby mode Crankcase heater mode Poff Capacity control Sound power level, indoors/outdoors Pdh Titemperature Titl Titemperature Tol. T-30 ° C Heating water operating limit WTOL Toll Toll Toll Toll Toll Toll Toll Tol	Tj = +12 ° C	Pdh	3. 2	kW	Tj = +12 ° C	COPd	6. 96	-
Tj = operation limit temperature (****) Pdh 10.0 kW Tj = operation limit temperature (****) COPd 2.49 - Bivalent temperature Tbiv -10 °C Reference design conditions for space heating Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Power consumption in modes other than active mode Off mode Poff 0.015 kW Standby mode Proff 0.015 kW Thermostat-off mode Proff 0.015 kW Thermostat-off mode Proff 0.000 kW Type of energy input Electrical Crankcase heater mode Poff 0.000 kW Type of energy input Electrical Sound power level, indoors/outdoors LwA 41 / 58 dBA Rated air flow rate, outdoors - 2640 m³/h	Degradation co-efficient (**)	Cdh	0. 97	-				
Bivalent temperature $Tbiv = -10$ ° C Reference design conditions for space $Tdesignh = -10$ ° C Heating water operating limit $TDL = -30$ ° C Reference design conditions for space $Tdesignh = -10$ ° C Heating water operating limit $TDL = -30$ ° C Hea	Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2. 49	-
Reference design conditions for space $Tdesignh$ -10 ° C Heating water operating limit $Tdesignh$	Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2. 49	-
Reference design conditions for space $Tdesignh$ -10 ° C Heating water operating limit $Tdesignh$				•				
Name	Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Power consumption in modes other than active mode Off mode P_{OFF} $P_{$		Tdesignh	-10	° C		WTOL	60	° C
Thermostat-off mode P_{TO} 0.015 kW Standby mode P_{SB} 0.015 kW Type of energy input Electrical Crankcase heater mode P_{CK} 0.000 kW Type of energy input P_{CK} 0.000 kW Standby mode P_{CK} 0.000 kW Type of energy input P_{CK} 0.000 kW Standby mode P_{CK} 0.000 kW Type of energy input P_{CK} 0.000 kW Standby mode P_{CK}		active mo	ode					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Crankcase heater mode P _{CK} 0.000 kW Other items Capacity control variable Rated air flow rate, outdoors - 2640 m³/h Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA	Thermostat-off mode	P_{T0}	0. 015	kW				
Other items Capacity control variable Rated air flow rate, outdoors - 2640 m³/h Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA	Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Capacity control variable Rated air flow rate, outdoors - 2640 m ³ /h Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA	Crankcase heater mode	P _{CK}	0. 000	kW				
Sound power level, indoors/outdoors LWA 41 / 58 dBA	Other items							
	Capacity control		variable		Rated air flow rate, outdoors	-	2640	${\rm m}^3/{\rm h}$
Annual energy consumption Our 4389 kWh	Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
	Annual energy consumption	Q_{HE}	4389	kWh				
For heat pump combination heater:	For heat pump combination heater:							
Declared load profile L Water heating energy efficiency η wh 134 %	Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption Qelec 4.080 kWh	Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption AEC 898 kWh	Annual electricity consumption	AEC	898	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey	Contact details MITSHRISHI FLECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TURKEY JOINT S	TOCK COMPANY	Manisa OSR 4 Kisim Kecilikovosh Mah Ahmet Nazif 7or	lu Bulvari No:	19 Yunusemre - N	Manisa Turkey
The identification and signature of the person empowered to bind the supplier:					<u>_</u>			,
Kenichi SAITO					Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY	The signature is signed in the average clin	mate / medi	um-temperatu	re section.				

[·] 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

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	::	ERST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	117	%
Declared capacity for heating for part	load at	indoor	l	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	6. 1	kW	Tj = − 7 ° C	COPd	2. 62	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 0	kW	Tj = + 2 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	3. 8	kW	Tj = + 7 ° C	COPd	4. 59	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	6. 88	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW	Tj = bivalent temperature	COPd	1. 57	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 59	-
Tj = -15 ° C (if $TOL < -20$ ° C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 57	-
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode		Supplementary heater			
Off mode	P_{OFF}	0. 015	kW	Rated heat output (*)	Psup	2. 0	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m^3/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	8239	kWh				
For heat pump combination heater:						,	
Declared load profile		L	1	Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details	NUITA OTUBANA	TUDIEN IOTHE	TOOK OOMETING	W		10 V	
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA The identification and signature of the				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	เษ tunusemre - M	anisa, lurkey
ine identification and Signature Of the	io hei soii	ompower eu	co pillu LII	Kenichi SAITO			
The signature is signed in the average clin	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model (s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	::	ERST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	150	%
Declared capacity for heating for part	load at	indoor	Į.	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	6. 2	kW	Tj = - 7 ° C	COPd	3. 71	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 1	kW	Tj = + 2 ° C	COPd	4. 35	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 34	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	7. 50	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW	Tj = bivalent temperature	COPd	2. 00	_
Tj = operation limit temperature (***)	Pdh	7. 7	kW	Tj = operation limit temperature (***)	COPd	1. 57	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 00	_
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	I	Supplementary heater		<u> </u>	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	2. 3	kW
Thermostat-off mode	P_{T0}	0. 015	kW			'	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m^3/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	6447	kWh				
For heat pump combination heater:			,	-			
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - N	Manisa Turkey
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	F - 1 0017			Kenichi SAITO			
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				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

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	ERST20D-****D			
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	167	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	2. 10	_
Degradation co-efficient (**)	Cdh	1. 00	_				
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	3. 53	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	4. 2	kW	Tj = +12 ° C	COPd	5. 75	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	2. 10	_
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	2. 10	_
Ty Sportation Time Comporation (1997)	T GIT	10.0	XII	Typoration Time Comporators (***)	001 u	2. 10	
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	de		Supplementary heater		I I	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW			 	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	3138	kWh				
For heat pump combination heater:			ļ	-			
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	kWh				
Annual electricity consumption	AEC	841	kWh				
Contact details		1					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - Ma	nisa, Turkey
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The signature is signed in the average cli	mate / medi	um-temperatu	re section	Kenichi SAITO Manager, Quality Assuarance Department			
	/			TURKEY			

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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA					
		Indoor unit	:	ERST20D-****D					
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	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	244	%		
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for			
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-						
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	3. 50	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	5. 55	-		
Degradation co-efficient (**)	Cdh	0. 99	-						
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 54	-		
Degradation co-efficient (**)	Cdh	0. 97	-						
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3. 50	-		
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3. 50	-		
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	T0L	-30	° C		
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	° C		
Power consumption in modes other than	active mo	ode		Supplementary heater					
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{T0}	0. 015	kW			•			
Standby mode	P_SB	0. 015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0. 000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2640	${\rm m}^3/{\rm h}$		
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA						
Annual energy consumption	\mathbf{Q}_{HE}	2167	kWh						
For heat pump combination heater:									
Declared load profile		L		Water heating energy efficiency	η wh	139	%		
Daily electricity consumption	Qelec	3. 820	kWh						
Annual electricity consumption	AEC	841	kWh						
Contact details	MILEACTURING 1	LIDKEN IVINE 6.	LUCK COMPANY	Manica OSR 4 Kisim Kasilikayash Mah Abmat Nazif Zari	lu Rulvari No:	10 Vunusamra - N	Janica Turkov		
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA The identification and signature of th				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl e supplier:	u bulvari NO:	ıə runusemre - N	iaiiisa, Turkey		
radictification and Signature of th	io per 3011	SIIIPONOI GU	LO DINU UI	Kenichi SAITO					
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				TURKEY					

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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model (s):		Outdoor unit		PUZ-SHWM100VAA EHST20D-MED			
:		Indoor unit	•				
ir-to-water heat pump:				yes			
/ater-to-water heat pump:				no			
Brine-to-water heat pump:				no			
_ow-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	136	%
leclared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
emperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	nperature Tj	
Tj = - 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	C0Pd	2. 19	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	C0Pd	3. 38	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 8	kW	Tj = + 7 ° C	COPd	4. 62	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	2. 9	kW	Tj = +12 ° C	COPd	6. 30	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	1. 69	_
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	C0Pd	1. 69	_
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	°C
Yower consumption in modes other than	active mo	de		Supplementary heater		<u> </u>	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW	[]			
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA	1			
Annual energy consumption	\mathbf{Q}_{HE}	5936	kWh				
or heat pump combination heater:		<u> </u>		• •			
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh	1			
Annual electricity consumption	AEC	898	kWh				
Contact details							

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Manager, Quality Assuarance Department TURKEY

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- · 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

- (**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	:	EHST20D-MED			
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:				no			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	183	%
Declared capacity for heating for part	load at	indoor	•	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	8. 9	kW	Tj = − 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	1. 00	-				
Tj = + 2 ° C	Pdh	5. 4	kW	Tj = + 2 ° C	COPd	4. 62	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 00	-
Degradation co-efficient (**)	Cdh	0. 98	-			· · · · · · · · · · · · · · · · · · ·	
Tj = +12 ° C	Pdh	3. 2	kW	Tj = +12 ° C	COPd	6. 96	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 0	kW	Tj = bivalent temperature	COPd	2. 49	-
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	2. 49	-
			•				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	l	Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	${\rm m}^3/{\rm h}$
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4444	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUEACTURING 1	LIIDKEA IUINI 6.	TUCK CUMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:10 Vunusamra - M	Janica Turkov
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				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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	::	EHST20D-MED			
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:				no			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	116	%
Declared capacity for heating for part	load at	indoor	I	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			 part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	i
Tj = - 7 ° C	Pdh	6. 1	kW	Tj = - 7 ° C	COPd	2. 62	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 0	kW	Tj = + 2 ° C	COPd	3. 50	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	3. 8	kW	Tj = + 7 ° C	COPd	4. 59	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	6. 88	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW		COPd	1. 57	_
Tj = operation limit temperature (***)	Pdh	8. 0	kW		COPd	1. 59	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 57	_
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	de	I	Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	2. 0	kW
Thermostat-off mode	P_{T0}	0. 015	kW			-	
Standby mode	P_SB	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m^3/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				•
Annual energy consumption	\mathbf{Q}_{HE}	8272	kWh				
For heat pump combination heater:			,				
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUEACTURING T	IIDKEN IUINI 6.	TUCK COMPANIA	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Rulvari No:	10 Vunusamra - N	Manica Turkay
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				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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA			
		Indoor unit	::	EHST20D-MED			
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:				no			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	149	%
Declared capacity for heating for part	load at	indoor	<u>I</u>	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	6. 2	kW	Tj = − 7 ° C	COPd	3. 71	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	4. 1	kW	Tj = + 2 ° C	COPd	4. 35	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 34	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	7. 50	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	8. 4	kW	Tj = bivalent temperature	COPd	2. 00	_
Tj = operation limit temperature (***)	Pdh	7. 7	kW	Tj = operation limit temperature (***)	COPd	1. 57	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 2	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 00	_
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	I	Supplementary heater			
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	2. 3	kW
Thermostat-off mode	P_{T0}	0. 015	kW			-!!	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	6480	kWh				
For heat pump combination heater:			•	-			
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	MILEACTURING T	TIIDKEN IUINIT G	TOCK COMPANY	Manica OCR 4 Kinim Kasilikayash Mah, Ahmat Nazif Zar	lu Rulvari No:	10 Vunusamra - N	Janica Turkov
The identification and signature of th				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl e supplier:	u Duivari NO:	is iunusemire - N	iuiii oa, iurkey
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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA				
		Indoor unit	:	EHST20D-MED				
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:				no				
Heat pump combination heater:				yes				
Parameters for				medium-temperature application.				
Parameters for				warmer climate conditions.				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	164	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj		
Tj = - 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-					
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	2. 10	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	3. 53	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	4. 2	kW	Tj = +12 ° C	COPd	5. 75	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2. 10	-	
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	2. 10	-	
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	T0L	-30	°C	
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active mo	ode		Supplementary heater		•		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{T0}	0. 015	kW		1	•		
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	${\rm m}^3/{\rm h}$	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	3204	kWh					
For heat pump combination heater:								
Declared load profile		L		Water heating energy efficiency	η wh	139	%	
Daily electricity consumption	Qelec	3. 820	kWh					
Annual electricity consumption	AEC	841	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - Ma	anisa, Turkey	
The identification and signature of th	e person	empowered t	to bind th	e supplier; Kenichi SAITO				
The signature is signed in the average clim	nate / medi	um-temperatu	re section.	Manager, Quality Assuarance 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

^(**) 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.

Model(s):		Outdoor uni	t:	PUZ-SHWM100VAA				
		Indoor unit	:	EHST20D-MED				
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:				no				
Heat pump combination heater:				yes				
Parameters for				low-temperature application.				
Parameters for				warmer climate conditions.				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	10. 0	kW	Seasonal space heating energy efficiency	ηs	236	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor ter	mperature Tj		
Tj = − 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-					
Tj = + 2 ° C	Pdh	10. 0	kW	Tj = + 2 ° C	COPd	3. 50	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	5. 55	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 54	-	
Degradation co-efficient (**)	Cdh	0. 97	-					
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3. 50	-	
Tj = operation limit temperature (***)	Pdh	10. 0	kW	Tj = operation limit temperature (***)	COPd	3. 50	-	
			•					
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C	
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active mo	ode		Supplementary heater		1		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{T0}	0. 015	kW			 		
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{CK}	0.000	kW					
Other items				-				
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	2233	kWh					
For heat pump combination heater:				•				
Declared load profile		L		Water heating energy efficiency	η wh	139	%	
Daily electricity consumption	Qelec	3. 820	kWh					
Annual electricity consumption	AEC	841	kWh					
Contact details								
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^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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