



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  6 8 11 9 13 15 16 21 22 17 18									For low-temperature application   25   4   6   8   11   9   13   15   16   21   22   17   18   25															
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 <sub>WA</sub> 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 <sub>WA</sub> 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 <sub>WA</sub> 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-SHWM14UYAA	ERSD-****D	~	A++	14	142	7974	41	14	14	116	158 1162	5 4659	58	~	A+++	14	184	6181	41	14	14 154	229	8816	3222 58	3															
2.COMBINATION HEATE	≣R										For medium-ten	nperature	applicati	ion								_							For	ow-temper	ature and	plication								
11	2	3	5	6	7	8	9	10	1	1 12		-	applicati 16	17	18	19	20	21	22 2	23 2	24 25	4	5	6 7	8		10 11	12		14	ature app 15	16	17 18	19	20	21	22	23	24	25
		g.		*	*		der		s v	s s	90	_	b 6				92	y	> 0 >		. 2			A A		dor	8 × 9	> 5		90	_	is is			22	>	× 0	h	> 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 a average climate conditions	For water heating, annual electricity consumption	Seasonal space heating energy sefficiency under average climata	conditions Water heating energy efficiency under average climate condition	Sound power level L <sub>VIX</sub> indoor Work only during off-peak hour	Rated heat output under colder colder colder	Rated heat output under warms S climate conditions	For space heating, annual energy consumption	For space heating, annual energy consumption under warmer climate conditions	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 Water heating enemy efficiency	water warmer climate condition under warmer climate condition  Sound power level L <sub>VM</sub> outdoor	Low-temperature application	Declared load profile	Seasonal space heating energy efficiency class Water heating energy efficiency	Rated heat output under	For space healing,	svenage climate conditions  For water heating, amusal electricity consumption under average climate condition Seasonal space heating energy ### Climaters where the condition ##	water heating energy efficiency	Sound power level L <sub>vvv</sub> indoor	Work only during off-peak hours	Rated heat output under colder Simale conditions	Rated heat output under warms & climate conditions	For space healing, annual energy consumption for space healing, annual energy consumption 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	Water heating energy efficiency under warmer climate condition	Sound power level L <sub>WA</sub> outdoor
	EHST17D-****D	~	L	A++	A+	6	3834	880	12	6 134	41 -	6	6	5181	1 2093	1060	846	111	150 1	05 1	35 54	~	L	A+++ A+	- 6	27	01 880 18	1 134	41	-	6	6	4284 1519	1060	846	135	208	105	135	54
	ERST17D-***D	~	L	A++	A+	6	3779	_				6	6	5147		1060		112		_	35 54	~		A+++ A+		_		_		-	6	6	4251 1453	1060	846	136	218		135	54
PUZ-SWM60VAA	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	6	3834 3779	_	_	_		6	6	5181			841 841	111		_	39 54 39 54	· ·	_	A+++ A+	-	_		_		-	6	6	4284 1519 4251 1453	1044	841 841	135 136	208 218		139 139	54 54
	EHST30D-****D	~	XL	A++	A+	6	3834	1404	1 12	6 133	41 -	6	6	5181	1 2093		_	111	150 1	11 1	55 54	~	XL	A+++ A+	_	_	01 1404 18	1 13:	41	-	6	6	4284 1519	_	1232	135	208	111	155	54
	ERST30D-****D	~	XL	A++	A+	6	3779	_	_	_		6	6	5147	_	_	1232	112		_	55 54	<b>Y</b>		A+++ A+	_	_		_	_	-	6	6	4251 1453	_	1232	_	_		155	54
	EHST17D-****D ERST17D-****D	~	L	A++ A++	A+	8	5016 4961	_	_			8	8	6890				111			35 54 35 54	· ·		A+++ A+	_			_		-	8	8	5460 1928 5427 1862	1060	846 846	141	219 227	105 105	135 135	54 54
PUZ-SWM80VAA	EHST20D-***D	~	L	A++	A+	8	5016		_	_		8	8	6890	_		_	111		_	39 54	~		A+++ A+	_	_		_		-	8	8	5460 1928	1044	841	_	219	_	139	54
	ERST20D-****D EHST30D-****D	~	XL	A++	A+ A+	8	4961 5016	898 1404	_			8	8	6857	_	1044	841 1232	112		_	39 54 55 54	~		A+++ A+	_	_		_		-	8	8	5427 1862 5460 1928	1044 1650	841 1232	142	219	109	139 155	54 54
	ERST30D-****D	~	XL	A++	A+	8	4961	_	_	_		8	8	6857				112	-	_	55 54	~		A+++ A+	_	_		_		-	8	8	5427 1862	-	1232				155	54
	EHST17D-****D	~	L	A++	A+	8	5053	_	_	_		8	8	6923	_			111		_	35 54	~		A+++ A+		_	36 880 17	_			8	8	5493 1928 5444 1862	1060	846	141	219	105	135	54
	ERST17D-****D EHST20D-****D	~	L	A++	A+	8	4972 5053	_	_	_		8	8	6923			0.10	112		_	35 54 39 54	· ·		A+++ A+	-	_	55 880 18 36 898 17			-	8	8	5444 1862 5493 1928	1044	846 841	142	219	105	135	54 54
PUZ-SWM80YAA	ERST20D-****D	~	L	A++	A+	8	4972		_			8	8	6875		_	_	112		_	39 54	~	_	A+++ A+	_			_			8	8	5444 1862	1044	841	142	227		139	54
	EHST30D-****D ERST30D-****D	~	XL	A++ A++	A+	8	5053 4972		_	_		8	8	6923	_			111			55 54 55 54	· ·		A+++ A+	_	_				-	8	8	5493 1928 5444 1862	_	1232 1232	141			155 155	54 54
	EHST20D-****D	~	L	A++	A+	10	6106	_	_	_		10	10	_		_	_	109		_	39 58	·		A+++ A+	_	_		_	_	-	10	10	6575 2369	1044	841	_	223	_	139	58
PUZ-SWM100VAA	ERST20D-****D	~	L	A++	A+	10	6051	_	-	_		10	10	8780	_			109		_	39 58	~		A+++ A+		_		_			10	10	6555 2302	1044	841	147	229		139	58
	EHST30D-****D ERST30D-****D	~	XL	A++ A++	A+	10	6106 6051	1404	_	_		10	10	8813	_		_	109		_	55 58 55 58	· ·		A+++ A+	_	_		_		-	10	10	6575 2369 6555 2302	_	1232	147			155 155	58 58
	EHST20D-****D	~	L	A++	A+	10	6141	_	13	2 134	41 -	10	10	8840	0 3405		841	109	154 1	09 1	39 58	~	L	A+++ A+	<b>⊢</b> 10	) 46	00 898 17	7 134	41	-	10	10	6601 2411	1044	841	146	219	109	139	58
PUZ-SWM100YAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	10	6061 6141		_	_		10	10	879	_	_	_	109		_	39 58 55 58	~		A+++ A+	_	_		_			10	10	6565 2314 6601 2411	1044 1650	841 1232	147 146	228 219		139 155	58 58
	ERST30D-****D	~	XL	A++	A+	10	6061					10	10	879						_	55 58	~			-	_		_		-	10	10	6565 2314	_	1232				155	58
	EHST20D-****D	~	L	A++	A+	12	7450		_	_		12	12		_	_	_	109		_	39 58	~		A+++ A+	_	_	66 898 17	_			12	12	8290 2882	1044	841	141	221	_	139	58
PUZ-SWM120VAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	12	7395 7450		_	_		12	12	1064				109		_	39 58 55 58	· ·		A+++ A+		_		_		-	12	12	8257 2816 8290 2882	1044 1650	841 1232	_	227		139 155	58 58
	ERST30D-****D	~	XL	A++	A+	12	7395	_	_	_		12	12	1064	_	_	_	109		_	55 58	~			_	_		_		-	12	12	8257 2816	_	1232				155	58
	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	12	7485 7404		_	_		12	12	1069				109		_	39 58	· ·		A+++ A+	-	_		_		-	12	12	8316 2922	1044	841	140 141	218		139	58
PUZ-SWM120YAA	EHST30D-****D	~	XL	A++	A+	12	7404		_	_		12	12	1064			_	109		_	39 58 55 58	~		A+++ A+	_			_		-	12 12	12	8267 2825 8316 2922	1650	841 1232	141	226 218		139 155	58 58
	ERST30D-****D	~	XL	A++	A+	12	7404	_	_	_		12	12	1064				109		_	55 58	~		A+++ A+	_	_		_	_		12	12	8267 2825	_	1232				155	58
	EHST20D-****D ERST20D-****D	~	L	A++	A+	14	8438 8383		_	_		14	14	1284	_			104		_	30 58 30 58	· ·		A+++ A+	_		83 965 17 28 965 17	_		-	14	14	10250 3367 10217 3301	1070	888 888	132 132	219 224	105 105	130	58 58
PUZ-SWM140VAA	EHST30D-****D	~	XL	A++	Α	14	8438					14	14	_		_		104			30 58	~		A+++ A		_		_		-	14	14	10250 3367	_	1434		219		130	58
	ERST30D-****D EHST20D-****D	~	XL L	A++ A++	A A+	14	8383 8473	_	_			14	14		_	_	_	105 104	_	_	30 58 30 58	<b>-</b>		A+++ A A+++ A+	_			_	_	-	14	14	10217 3301 10275 3407	1755 1070	1434 888	132 131	224	_	130	58 58
PUZ-SWM140YAA	ERST20D-****D	~	L	A++	A+	14	8392		_	_		14	14	1281				105		_	30 58	~		A+++ A+	_	-		_		-	14	14	10275 3407	1070	888	132	223		130	58
POZ-SWM140TAA	EHST30D-****D	<b>~</b>	XL	A++	A	14	8473		_	_		14	14	1286			_	104		_	30 58	~		A+++ A		_		_	_	-	14	14	10275 3407	_	1434	131	217		130	58
	ERST30D-****D EHST17D-****D	~	XL L	A++ A++	A A+	14 6	8392 3761			_		14	14	1281 4993			-	105 115	_	_	30 58 35 54	<b>-</b>	-	A+++ A A+++ A+		_				-	14 6	14 6	10226 3310 4202 1437	1755 1060	1434 846	_	223	-	130	58 54
	ERST17D-****D	~	L	A++	A+	6	3706	880	_	_		6	6	4960	_	1060	_	116		_	35 54	~	L	A+++ A+				_		-	6	6	4168 1371	1060	846	_	231		135	54
PUZ-SHWM60VAA	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	6	3761 3706	_	_			6	6	4993				115 116			39 54 39 54	· ·		A+++ A+	_	_	55 898 18 00 898 18	_	_		6	6	4202 1437 4168 1371	1044	841 841	138 139	220		139 139	54 54
	EHST30D-****D	~	XL	A++	A+	6	3761	1404	_	_		6	6	4993			1232	115		_	55 54	~		A+++ A+		_					6	6	4202 1437	1650	1232	138	220		155	54
	ERST30D-****D	<b>~</b>	XL	A++	A+	6	3706	_	_			6	6	4960				116			55 54	~			_	_			_	-	6	6	4168 1371		1232				155	54
	EHST17D-****D ERST17D-****D	~	L	A++ A++	A+	8	4904 4849		_			8	8	6705				115 115			35 54 35 54	~		A+++ A+	_	_	30 880 18 75 880 18	_			8	8	5299 1874 5266 1808	1060	846 846	146 147	225	105	135	54
PUZ-SHWM80VAA	EHST20D-****D	~	L	A++	_	8	4904	898	13	2 134		8	8	6705	5 2521	1044	841	115			39 54			A+++ A+	_		30 898 18			-	8	8	5299 1874	_	841	146		109	139	54
	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+ A+	8	4849 4904		_	_		8	8	6672	_		_	115 115		_	39 54 55 54	~		A+++ A+		_		_		-	8	8	5266 1808 5299 1874		1232	147 146			139 155	54 54
	ERST30D-****D	~	XL		A+	8	4849		_	_		8	8				1232			_	55 54	_			_	_	75 1404 18	_	_		8	8	5266 1808		1232	_			155	54
	EHST17D-****D ERST17D-****D	<b>*</b>	١.	A++ A++	A+ A+	8	4941 4860	_	_	_		8	8	6737			_	114		-	35 54 35 54	~		A+++ A+			68 880 18	_	_	-	8	8	5332 1874 5284 1808	1060 1060	846	145	225		135	54 54
PUZ-SHWM80YAA	EHST20D-****D	~	L	A++		8	4941		_	_		8	8	_	_			115 114			35 54 39 54	~		A+++ A+		_		_		-	8	8	5284 1808 5332 1874		846 841				135	54
PUZ-SHWM80YAA	ERST20D-****D	~	L	A++	A+	8	4860					8	8		_		_	115			39 54	~		A+++ A+	_	_		_	_	-	8	8	5284 1808	_	841	_			139	54
	EHST30D-****D ERST30D-****D	~	XL	A++ A++	A+	8	4941 4860	_	_			8	8	6737				114 115			55 54 55 54	~							_	-	8	8	5332 1874 5284 1808	_	1232 1232				155 155	54 54
	EHST20D-****D	~	L	A++	_	10	_	_		_		10	10	_	_	_	_	116		_	39 58	~	L	A+++ A+	_	_		_	_	-	10	10	6480 2233	_	841	_	236	_	139	58
PUZ-SHWM100VAA	ERST20D-****D	<b>*</b>	L	A++	A+	10	_	_	_			10	10	_				117			39 58	· /			_	_		_		-	10	10	6447 2167	_	841	_			139	58
	EHST30D-****D ERST30D-****D	~	XL	A++ A++		10	_					10	10		2 3204 9 3138					-	55 58 55 58	~				_		_		-	10	10		_	1232 1232				155 155	58 58
	EHST20D-****D	~	L	A++	A+	10	5972	898	13	5 134	41 -	10	10	8298	8 3246	1044	841	116	162 1	09 1	39 58	~	L	A+++ A+	<b>⊢</b> 10	) 44	80 898 18	1 134	41	-	10	10	6508 2276	1044	841	149	232	109	139	58
PUZ-SHWM100YAA	ERST20D-****D EHST30D-****D	~	L XL	A++ A++	A+	10	5891 5972		_			10	10	_			_	117 116			39 58 55 58	~		A+++ A+				_		-	10	10	6459 2179 6508 2276	_	841 1232	150 149	242		139 155	58 58
	ERST30D-****D	~	XL		A+	10	_		_			10	10					117			55 58	~			-	_		_		-	10	10	6459 2179	_	1232		_		155	58
	EHST20D-****D	4	L	A++	_	12			_			12	12					117			39 58	4		A+++ A+	_			_	_	-	12	12			841				139	58
PUZ-SHWM120VAA	ERST20D-****D EHST30D-****D	~	XL	A++ A++	A+	12 12	7114 7169		_	_		12	12	_			_	118			39 58 55 58	~						_	_	-	12 12	12			841 1232				139 155	58 58
	ERST30D-****D	~	XL	A++	A+	12	7114	1404	1 13	8 133	41 -	12	12	9869	9 3886	1650	1232	118	163 1	11 1	55 58	~	XL	A+++ A+	12	2 54	26 1404 18	1 13	41	-	12	12	7810 2687	1650	1232	150	238	111	155	58
	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+	12	_	_	_	_		12	12	_			841 841	117			39 58 39 58	· ·		A+++ A+				_		-	12 12	12	7868 2793 7819 2696		841 841	149 150	228		139 139	58 58
PUZ-SHWM120YAA	EHST30D-****D	~	XL				7204	_	_			12	12	_		_	_	_			55 58	~			_	_			_	-	12	12		_	1232	_	_		155	58
	ERST30D-****D	~	XL	A++	A+	12	7123	1404	1 13	7 133	41 -	12	12	9878	8 3898	1650	1232	118	163 1	11 1	55 58	~	XL	A+++ A+	12	2 54	35 1404 18	1 133	41	-	12	12	7819 2696	1650	1232	150	237	111	155	58
	EHST20D-****D ERST20D-****D	~	L	A++ A++	A+ A+	14			_	_		14	14	_	7 4649		_	115 116			30 58 30 58	· ·		A+++ A+				_	_	-	14 14	14	8841 3279 8807 3212	1070	888 888	153 154	225 230		130	58 58
PUZ-SHWM140VAA	EHST30D-****D	~	XL	A++	Α	14	8021	1610	) 14	1 114	41 -	14	14	1165	0 4715	1755	1434	115	156 1	04 1	30 58	~	XL	A+++ A	. 14	1 62	27 1610 18	3 114	41	-	14	14	8841 3279	1755	1434	153	225	104	130	58
	ERST30D-****D EHST20D-****D	<b>*</b>	XL L	A++ A++	A A+	14 14	_	_	_	2 114 1 123		14	_	_	7 4649 4 4757	_	_	116 115		_	30 58 30 58	<b>*</b>		A+++ A A+++ A+		_		_	_	-	14 14	14 14	8807 3212 8865 3319	_	1434 888	_	230 222	_	130 130	58 58
PUZ-SHWM140YAA	ERST20D-****D	~	L	A++	_	14						14			4 4757		_	116			30 58	_		A+++ A+	_					-	14	14		_	888				130	58
- CZ-SHVWH4UTAA	EHST30D-****D	4	XL	A++	_	14						14			4 4757						30 58	4								-	14		8865 3319		1434				130	58
	ERST30D-****D	~	XL	A++	Α	14	/974	1610	14 إ ر	2 114	41 -	14	14	1162	4659	1/55	1434	116	158 1	04 1	30 58		XL	A+++ A	.   14	+   61	81 1610 18	114	41	-	14	14	8816 3222	1755	1434	154	229	104	130	58

η σταθμή ηχητικής ισχύος L <sub>.w.a</sub> εξωτερικού χωρού -	U nivel de potencia sonora L <sub>IWA</sub> no exterior n poziom mocy akustycznej L <sub>IWA</sub> na zewnątrz	Луденектичеви с <sub>ких</sub> гиде нивото на звуковата мощност с <sub>ких</sub> на открито	Ljuderiektriwari. L <sub>WA</sub> i utomirus Ihadina akustického výkonu L <sub>WA</sub> ve venkovním prostoru	25 net geluidsvermogensniveau L <sub>WA</sub> Duiten äänitehotaso L <sub>WA</sub> ulkona
el nivel de potencia acústica L <sub>WA</sub> en exteriores			der Schallleistungspegel L <sub>WA</sub> 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 quentes efektywność energetyczna podgrzewania wody w warunkach klimatu cieptego -	energieffektiviteten ved vandopvarmning under varmere klimaforhold енергийната ефективност при подгряване на вода при по-топли климатични условия	Energieffektivitet vid vattenuppvärmning under varmare klimatförhållanden 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 θερμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες -	a eficiência energética do aquecimento de água em condições climáticas mais frias netektywność 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 klimatforhållanden energetická účinnost ohřevu vody za chladnějších klimatických podmínek	23 de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa
la eficiencia energética de caldeo de agua en condiciones climáticas más frías	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde	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
, 1	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł ego	сезонната енергийна ефективност при отопление при по-топли климатични условия	sezonní energetická účinnost vyťápění za teplejších klimatických podmínek	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθή κες	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais n quentes	drsvirkningsgraden 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	Terficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più la calde	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaufes	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	Seasonal space heating energy efficiency under warmer climate conditions
	nnas sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chł odnoco	сезонната енергийна ефективност при отопление при по-студени климатични условия	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	# E
νες η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθή	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais n fras	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	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	Seasonal space heating energy efficiency under colder climate conditions
OUVER/KES	mais quemes  , w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach  klimatu cjepłego	за подгряване на вода, годишното потребление на електроенергия при по-топли клим атични условия	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	Klimaatomstandigheden vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa
lidas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές	uecimento de água, o consumo anual de eletricidade em condições climáticas	climatiques plus chaudes for vandopvarmning det årlige elforbrug under varmere klimaforhold	Itnissen För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	20 voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere
para calentar agua, el consumo anual de electricidad en condiciones climáticas más cá	chlodnego scaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più	eau, la consommation annuelle d'électricité, dans les con	rmwass	For water heating, annual energy consumption under warmer climate conditions
΄ς συνθήκες	u do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach	за подгряване на вода, годишното потребление на електроенергия при по-студени кл	ohřev vody – roční spo	klimaatomstandighede vedenlämmityksestä vi
για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικέ	quecimento de água, o consumo anual de eletricidade em condições climáticas	lige elforbrug under koldere klimaforhold	nuppvärmning, årlig elförbrukning under kallare klimatförhållanden	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere
nara calentar anua el consumo anual de electricidad en condiciones climáticas más frías	w ooniesieniu oo ogrzewania pomieszczen, roczne zuzycie energii w warunkach kimatu - cieplego ner II iscaldamento dell'acqua il consumo annuo di energia in condizioni climatiche niii ner	за отопление, годишното потреоление на енергия при по-топли климатични условия поит le chaifface de l'eau la consommation annuelle d'électricité dans les conditions	pro vyrapeni – rocni sporreba energie za tepiejsich klimatickych podminek filir die Warmwasserbereitung der jähdiche Stromwerbrauch bei kälteren Klimaverhä	nalammilyksesia vuotuinen energiankulutus iampimissa iimasto-olosunteissa  For water heating annual energy consumption under colder climate conditions
Υνια θερμανση χώρου, η επήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες	sis	for rumopvarmning det arlige energiforbrug under varmere klimaforhold	För rumsuppvarmning, arlig energiförbrukning under varmare klimatförhållanden	18 klimaatomstandigheden 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
	3	за отопление, годишното потребление на енергия при по-студени климатични услови я	spotřeba ener	ilmasto-
για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες	uecimento 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 klimaatomstandigheden
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	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	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 moc cieplna w warunkach klimatu cieplego -	den nominelle nytteeffekt under varmere klimaforhold номиналната топлинна мощност при по-топли климатични условия	Nominell avgiven värmeeffekt vid varmare klimatförhållanden imenovitý tepelný výkon za teplejších klimatických podmínek	de nominale warmteafgifte, onder warmere klimaatomstandigheden     nimellislämpöteho, lämpimissä ilmasto-olosuhteissa
la potencia calorífica nominal en condiciones climáticas más cálidas	znamionowa moc cieplina 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	Imenovity tepeiny vykon za chladnejších klimatickych podminek die Wärmenennleistung bei wärmeren Klimaverhältnissen	nimelisiampoteho, kylmissa ilmasto-olosuhteissa Rated heat output under warmer climate conditions
la potencia caloritica nominiai en condiciones climaticas mas mas η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες	A potência calorifica nominale, in condições climáticas mais frias	den nominelle nytteeffekt under koldere klimaforhold	die warmenenneisung dei kaiteren kumavernatmissen Nominell avgiven värmeeffekt vid kallare klimatförhållanden	15 de nominale warmteafgifte, onder koudere klimaatomstandigheden
Arris	pracować jedynie w godzinach poza szczylowym obciążeniem	работи само в часовете извън върховото натоварване	provozu pouze mimo Śpičku	toimimaan ainoastaan kulutushuippujen ulkopuolella
funcionar solamente durante las horas de baja demanda λειτουργία μόνο εκτός των ωρών αιχινής	funzione soltanto durante le ore morte fu de funcionar unicamente fora das horas de pico Ak	fonctionner qu'en heures creuses fungere uden for spidsbelastningsperioder	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten drivas uteslutande under perioder med läg belastning	Work only during off-peak hours  14 werken uitsluitend in de daluren
η στάθμη ηχητικής ισχύος L <sub>WA</sub> εσωτερικού χώρου -	O nível de potência sonora L <sub>WA</sub> no interior noziom mocy akustycznej L <sub>WA</sub> w pomieszczeniu	lydeffektniveauet L <sub>WA</sub> i inde нивото на звуковата мощност L <sub>WA</sub> на закрито	Ljudeffektnívá L <sub>wa</sub> , i inomhus hladína akustického výkonu L <sub>wa</sub> , ve vnitřním prostoru	13 het geluidsvermogensniveau L <sub>WA</sub> binnen äänitehotaso L <sub>WA</sub> sisällä
el nivel de potencia acústica L <sub>WA</sub> en interiores		le niveau de puissance acoustique L <sub>WA</sub> , à l'intérieur	der Schallleistungspegel L <sub>WA</sub> , in Gebäuden	So
η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -	a eficiência energética do aquecimento de água(em condições climáticas médias) n efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego) -	energieffektiviteten ved vandopvarmning(under gennemsnittige klimaforhold) енерпийната ефективност при подгряване на вода(при средни климатични условия)	Energieffektivitet vid vattenuppvärmning(vid genomsnittliga klimatförhållanden) energetická účinnost ohřevu vody 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)	ii riscaldamento dell'acqua(in condizioni climatiche medie)	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques moyennes)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	Water heating energy efficiency under average climate conditions
	sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu - umiarkowanego)	сезонната енергийна ефективност при отопление(при средни климатични условия)	sezonní energetická účinnost vytápění za průměrných klimatických podmínek	tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)	A eficiência energética do aquecimento ambiente sazonal(em condições climáticas mé n dias)	årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)
la eficiencia energética estacional de calefacción(en condiciones climáticas medias)	etica stagionale di riscaldamento d'ambiente(in condizioni climatiche	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	Seasonal space heating energy efficiency under average climate conditions
,	o podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach wanego)	за подгряване на вода, годишното потребление(при средни климатични условия)	pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek	vedenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)
για την θέρμανση νερού, η επήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες)	para o aquecimento de água, o consumo anual de eletricidade(em condições climáticas m vuedias)	for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaforhold)	För vattenuppvärmning, árlig elförbrukning(vid genomsnittliga klimatförhállanden)	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)
para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie) pa	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques movennes)	die Wa	For water heating, annual electricity consumption under average climate conditions
	unas) w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)	за отопление, годишното потребление на енергия(при средни климатични условия)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	tilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)
για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)	medie) Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas mé vi	cimariques moyennes) for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaforhold)	Irinissen För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	yoor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde
para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)	znamionowa moc ciepinal w warunkach kimatu umarkowanego)  per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche per il riscaldamento di energia con condizioni climatiche per il riscaldamento del consumo annuo di energia con condizioni condizioni con condizioni condizioni con condizioni con condizioni con condizioni con condizioni con condizioni condizioni con condizioni con condizioni con condizioni condizioni con condizioni condizioni condizioni co	номиналната топлина мощност при средни климатични условия) pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions	Imenovity tepeiny tykon(za prumernych klimatickych podminek) für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhä	nimelisiampoteino(keskimaaraisissa ilmasto-olosunteissa) For space heating, annual energy consumption under average climate conditions
n ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)	A potencia calorifica nominal(em contoica climáticas médias)  n	den nominelle nytteeffekt(under gennemsnitlige klimaforhold)	Den nominella avgivna värmeeffekten(under genomsnittiliga klimatförhållanden)	8 de nominale warmteafgithe(onder gemiddelde klimaatomstandigheden) 8
(1) Tutyl evetytetiikily attooootily achtuvotily vehoo	klasa efektywności energistruca du adprezintento we agua	класът на енергийната ефективност при подгряване на вода	erier gleinakuviasakaasa viu vatieriuppvariiiiiiiig Iffida energeiteké účimonosti ohřevu volt Jib Mženosotickéhonosti ohřevu voltakaa Mženosotickéhonosti ohřevu voltakaata voltakaata Mženosotickéhonosti ohřevu voltakaata	vedenlämmityksen energiatehokkuusluoka  Datad kost sidastaanana siinakakaadiisaa
la clase de eficiencia energética del caldeo de agua	la classe di efficienza energética de riscaldamento dell'acqua	la classe d'efficieté énerged and modern propriété de l'eau	die Klasse für die Warmen von der Frenzeitenge-Energieeffizienz	Water heating energy efficiency
η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου	A classe de eficiência energética do aquecimento ambiente sazonal   n   klasa sezonowei efektywności energetycznej orgzewania nomieszyzeń   -	Klassen for ársvirkningsgrad ved rumopvarmning vracht ua ceanuara отоппителна енергийна ефективност	säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning Iffda sezonni energetiyki rikinnosti vylänäni	6 de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming tilalämmityksen kausittiinen energiatehokkuusluokka
la clase de eficiencia energética estacional de calefacción	Deklarowany profil obciążeń - la classe di efficienza energetica stagionale del riscaldamento d'ambiente la	Обявен товаров профил la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	Deklarovaný zátěžový profil die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	Ilmoitettu kuormitusprofiili Seasonal space heating energy
Perfil de carga declarado Δηλωμένο προφίλ φορτίου	Profilo di carico dichiarato     Profilo de carga declarado       A     Defil de carga declarado	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 n zastosowania w niskich temperaturach -	lavtemperaturanvendelsen нискотемпературни приложения	lägtemperaturapplikation nizkoteplotni aplikace	4 lagetemperatuur-toepassing matalaniämpõtitan sovellus
la aplicación de baja temperatura	Lassosowania w srednich temperaturach le applicazioni a bassa temperatura la	Среднотемпературното приложение Гapplication à basse température	Niedertemperaturanwendung	Low-temperature application
п вфаруьорі ає нівон веружрастіа	a aplicação a média temperatura na aplicação a média temperatura na aplicação a média temperatura na aplicação a média na aplicação a média na aplicação a média temperatura na aplicação a média aplicação aplicação a média aplicaçõe a média aplicaçõe a média aplicação a média aplicaçõe a aplicaçõe	idelication a moyenie temperature	milletieriperaluramweriounig mediumtemperaturapplikation aix-oktorikation	middentemperature application  3 middentemperature application  Licalitis according
a splinging do modio tomporatura	jednostka wewnętrzna	Batpemer 1970	Vnitřní jednotka	Sisäyksikkö  Modium komporatura application
unidad interior Εσωτερική μονάδα	unità interna unidade interior E.	unité intérieure Indendørs enhed	Innengerät Inomhusenhet	Indoor unit 2 binnenunit
Εξωτερική μονάδα	unidade exterior E. jednostka zewnętrzna -	Udendørs enhed Външно тяло	Utomhusenhet Venkovní jednotka	1 buitenunit Ulkoyksikkö
L. unidad exterior	Polski - urità esterna ur	Български unité extérieure	Ceština Außengerät	Suomi Suomi Outdoor unit
Español Eλληνικά	Italiano Ita	Français Dansk	Deutsch Svenska	English Nederlands
	· .	1		

Model(s):		Outdoor uni	t:	PUZ-SHWM120YAA			
		Indoor unit	:	EHST30D-***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	12. 1	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 °C and outdoor temperat	ure T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = − 7 ° C	COPd	2. 13	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	3. 36	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 0	kW	Tj = + 7 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 8	kW	Tj = +12 ° C	COPd	6. 32	-
Degradation co-efficient (**)	Cdh	0. 96	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1. 78	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1. 78	-
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	l	Supplementary heater		L	
Off mode	P <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			<del>-1</del> -	
Standby mode	$P_SB$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	$P_{\text{CK}}$	0. 000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	$m^3/h$
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	7204	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details		•	•				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	anisa, Tur
The identification and signature of th	e person	empowered 1	to bind th				
育藤健一				Kenichi SAITO  Manager, Quality Assuarance Department			
1 10 Dt -				TURKEY			

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<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	EHST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	178	%
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 te	emperature Tj	
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = - 7 ° C	COPd	2. 85	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	4. 53	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 04	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = +12 ° C	Pdh	4. 0	kW	Tj = +12 ° C	COPd	7. 02	-
Degradation co-efficient (**)	Cdh	0. 96	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	2. 43	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	2. 43	-
			1				
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 m	ode	I	Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW		1	- W	
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	$m^3/h$
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	5516	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details			<u>'</u>	•			
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:19 Yunusemre - Ma	anisa, Turkey
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The signature is signed in the average clir	nate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	EHST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	117	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperatu	ure T j			part load at indoor temperature 20 °C and	outdoor te	emperature Tj	
Tj = − 7 ° C	Pdh	7. 3	kW	Tj = − 7 ° C	COPd	2. 70	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4. 4	kW	Tj = + 2 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	3. 8	kW	Tj = + 7 ° C	COPd	4. 78	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 00	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1. 55	-
Tj = operation limit temperature (***)	Pdh	8. 2	kW	Tj = operation limit temperature (***)	COPd	1. 54	-
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 55	-
Bivalent temperature	Tbiv	-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	de		Supplementary heater		1	
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	3. 9	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			•	
Standby mode	$P_{SB}$	0. 022	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	$L_{WA}$	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	9927	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%
Daily electricity consumption	Qelec	7. 500	kWh				
Annual electricity consumption	AEC		kWh				
Contact details  MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:19 Yunusemre - M	lanisa, Turkey
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				Kenichi SAITO			
The signature is signed in the average clim	nate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	EHST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	149	%
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 te	mperature Tj	
Tj = - 7 ° C	Pdh	7. 3	kW	Tj = - 7 ° C	COPd	3. 67	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 38	-
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = +12 ° C	Pdh	4. 6	kW	Tj = +12 ° C	COPd	8. 02	-
Degradation co-efficient (**)	Cdh	0. 96	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	2. 08	-
Tj = operation limit temperature (***)	Pdh	8. 7	kW	Tj = operation limit temperature (***)	COPd	1. 56	-
Tj = -15 ° C (if $TOL < -20$ ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 04	-
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 <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	3. 4	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			<del>.</del>	
Standby mode	$P_SB$	0. 022	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 <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	7868	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%
Daily electricity consumption	Qelec	7. 500	kWh			<u> </u>	
Annual electricity consumption	AEC	0	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	anisa, Turkey
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The signature is signed in the average clim	mate / medio	um-temneratu	re section	Kenichi SAITO  Manager, Quality Assuarance Department			
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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	EHST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	$\eta$ s	159	%
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	12. 1	kW	Tj = + 2 ° C	COPd	2. 05	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	7. 7	kW	Tj = + 7 ° C	COPd	3. 42	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 65	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	2. 05	-
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	ode		Supplementary heater		I .	
Off mode	P <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			+	
Standby mode	$P_SB$	0. 022	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 <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	3995	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	155	%
Daily electricity consumption	Qelec	5. 600	kWh				
Annual electricity consumption	AEC		kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	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			

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<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	EHST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	228	%
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 te	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	_
Degradation co-efficient (**)	Cdh	-	_				
Tj = + 2 ° C	Pdh	12. 1	kW	Tj = + 2 ° C	COPd	3. 30	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	7. 7	kW	Tj = + 7 ° C	COPd	5. 32	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 46	-
Degradation co-efficient (**)	Cdh	0. 96	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 30	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 30	-
			1				
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	l .	Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW				
Standby mode	$P_SB$	0. 022	kW	Type of energy input	i	Electrical	
Crankcase heater mode	$P_{CK}$	0.000	kW		ı		
Other items		•	•				
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	2793	kWh				
For heat pump combination heater:				-			
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	155	%
Daily electricity consumption	Qelec	5. 600	kWh				
Annual electricity consumption	AEC	0	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - N	lanisa, Turkey
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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	::	ERST30D-***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	12. 1	kW	Seasonal space heating energy efficiency	ηs	137	%
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	10. 7	kW	Tj = − 7 ° C	COPd	2. 13	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	3. 36	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 0	kW	Tj = + 7 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	3. 8	kW	Tj = +12 ° C	COPd	6. 32	-
Degradation co-efficient (**)	Cdh	0. 96	_				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1. 78	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1. 78	-
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	l .	Supplementary heater		L	
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			<del>-1</del> -	
Standby mode	$P_SB$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	$P_{\text{CK}}$	0. 000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	7123	kWh				
For heat pump combination heater:			•	•			
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details			U				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING 1	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	anisa, Tur
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育藤健一				Kenichi SAITO  Manager, Quality Assuarance Department			
17 11/1 DE -				TURKEY			

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<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	ERST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	181	%
Declared capacity for heating for part	t load at	indoor	I	Declared coefficient of performance or prim	nary 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	10. 7	kW	Tj = - 7 ° C	COPd	2. 85	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	4. 53	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 04	-
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = +12 ° C	Pdh	4. 0	kW	Tj = +12 ° C	COPd	7. 02	-
Degradation co-efficient (**)	Cdh	0. 96	_				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	2. 43	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	2. 43	-
			l .				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space	Tdesignh	-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 <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW				
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	$m^3/h$
Sound power level, indoors/outdoors	$L_{WA}$	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	5435	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - N	Manisa, 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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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	:	ERST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	$\eta$ s	118	%
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 te	emperature Tj	
Tj = - 7 ° C	Pdh	7. 3	kW	Tj = - 7 ° C	COPd	2. 70	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4. 4	kW	Tj = + 2 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	3. 8	kW	Tj = + 7 ° C	COPd	4. 78	_
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 00	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1. 55	_
Tj = operation limit temperature (***)	Pdh	8. 2	kW	Tj = operation limit temperature (***)	COPd	1. 54	-
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 55	-
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	T0L	-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		Supplementary heater		<u>'</u>	
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	3. 9	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			*	
Standby mode	$P_{SB}$	0. 022	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	${\rm m}^3/{\rm h}$
Sound power level, indoors/outdoors	$L_{WA}$	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	9878	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%
Daily electricity consumption	Qelec	7. 500	kWh				
Annual electricity consumption	AEC		kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - M	lanisa, Turkey
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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

<sup>(\*\*\*)</sup> 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-SHWM120YAA				
		Indoor unit	:	ERST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	150	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
temperature 20 $^{\circ}$ C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj		
Tj = - 7 ° C	Pdh	7. 3	kW	Tj = − 7 ° C	COPd	3. 67	-	
Degradation co-efficient (**)	Cdh	0. 99	_					
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 30	-	
Degradation co-efficient (**)	Cdh	0. 98	] -					
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 38	-	
Degradation co-efficient (**)	Cdh	0. 97	] -					
Tj = +12 ° C	Pdh	4. 6	kW	Tj = +12 ° C	COPd	8. 02	-	
Degradation co-efficient (**)	Cdh	0. 96	-					
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	2. 08	-	
Tj = operation limit temperature (***)	Pdh	8. 7	kW	Tj = operation limit temperature (***)	COPd	1. 56	-	
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 04	-	
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	T0L	-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		Supplementary heater		•		
Off mode	$P_{OFF}$	0. 022	kW	Rated heat output (*)	Psup	3. 4	kW	
Thermostat-off mode	$P_{T0}$	0. 022	kW					
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input		Electrical		
Crankcase heater mode	$P_{\text{CK}}$	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	${\rm m}^3/{\rm h}$	
Sound power level, indoors/outdoors	$L_{WA}$	/ 58	dBA					
Annual energy consumption	$\mathbf{Q}_{HE}$	7819	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%	
Daily electricity consumption	Qelec	7. 500	kWh					
Annual electricity consumption	AEC	0	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - Ma	anisa, Turkey	
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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	::	ERST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	163	%
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 te	mperature Tj	
Tj = - 7 ° C	Pdh	_	kW	Tj = - 7 ° C	COPd	-	_
Degradation co-efficient (**)	Cdh	_	_				
Tj = + 2 ° C	Pdh	12. 1	kW	Tj = + 2 ° C	COPd	2. 05	_
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 7 ° C	Pdh	7. 7	kW	Tj = + 7 ° C	COPd	3, 42	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 65	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	12. 1	- kW		COPd	2. 05	_
Tj = operation limit temperature (***)	Pdh	12. 1	- kW	Tj = operation limit temperature (***)	COPd	2. 05	_
.,			]	.,			
Bivalent temperature	Tbiv	2	l ° 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	ode	•	Supplementary heater		•	
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			<del>'</del>	
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW		ĺ		
Other items							
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	3898	kWh				
For heat pump combination heater:		•					
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	155	%
Daily electricity consumption	Qelec	5. 600	kWh				
Annual electricity consumption	AEC		kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - N	Manisa, Turkey
The identification and signature of th	ne person	empowered	to bind th				
The signature is signed in the average cli	mate / medio	um-temperati	re section	Kenichi SAITO  Manager, Quality Assuarance Department			
		23poi 410		TURKEY			

<sup>·</sup> Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA				
		Indoor unit	:	ERST30D-****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	12. 1	kW	Seasonal space heating energy efficiency	ηs	237	%	
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	12. 1	kW	Tj = + 2 ° C	COPd	3. 30	_	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = + 7 ° C	Pdh	7. 7	kW	Tj = + 7 ° C	COPd	5. 32	_	
Degradation co-efficient (**)	Cdh	0. 99	_					
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 46	-	
Degradation co-efficient (**)	Cdh	0. 96	-					
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 30	-	
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 30	-	
			1					
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	l .	Supplementary heater		1		
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	$P_{T0}$	0. 022	kW					
Standby mode	$P_SB$	0. 022	kW	Type of energy input		Electrical		
Crankcase heater mode	$P_{\text{CK}}$	0.000	kW					
Other items		•	•					
Capacity control		variable		Rated air flow rate, outdoors	_	2640	$m^3/h$	
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA					
Annual energy consumption	$\mathbf{Q}_{HE}$	2696	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	155	%	
Daily electricity consumption	Qelec	5. 600	kWh					
Annual electricity consumption	AEC	0	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	lanisa, Turkey	
The identification and signature of th	e person	empowered	to bind th	e supplier; Kenichi SAITO				
The signature is signed in the average clim	nate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department				
				TURKEY				

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<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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.

del(s): Out		Outdoor unit:		PUZ-SHWM120YAA			
		Indoor unit	:	EHST30D-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				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12. 1	kW	Seasonal space heating energy efficiency	ηs	136	%
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	10. 7	kW	Tj = − 7 ° C	COPd	2. 13	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	3. 36	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 0	kW	Tj = + 7 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 8	kW	Tj = +12 ° C	COPd	6. 32	-
Degradation co-efficient (**)	Cdh	0. 96	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1. 78	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1. 78	-
Bivalent temperature	Tbiv	-10	l ° c	Operation limit temperature	TOL	-30	° C
Reference design conditions for space	Tdesignh	-10	° C	Heating water operating limit	WTOL	60	° C
heating  Power consumption in modes other than	active mo	ode		temperature Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW			!!	
Standby mode	$P_SB$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$Q_{HE}$	7204	kWh				
For heat pump combination heater:		I					
Declared load profile		XL		Water heating energy efficiency	η wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details		1	1				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - N	lanisa, Turk
The identification and signature of th	e person	empowered	to bind th				
育藤健一				Kenichi SAITO  Manager, Quality Assuarance Department			
W WIR DE -				TURKEY			

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	::	EHST30D-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	12. 1	kW	Seasonal space heating energy efficiency	$\eta$ s	178	%
Declared capacity for heating for part	t 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	10. 7	kW	Tj = − 7 ° C	COPd	2. 85	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	6. 5	kW	Tj = + 2 ° C	COPd	4. 53	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6. 04	-
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = +12 ° C	Pdh	4. 0	kW	Tj = +12 ° C	COPd	7. 02	-
Degradation co-efficient (**)	Cdh	0. 96	_				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	2. 43	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	2. 43	-
			•				
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		Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW				
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	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 <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	$Q_{HE}$	5516	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	133	%
Daily electricity consumption	Qelec	6. 380	kWh				
Annual electricity consumption	AEC	1404	kWh				
Contact details					_		
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - Ma	anisa, Turkey
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The signature is signed in the average cli	mate / medi	um-temperatu	ıre section.	Manager, Quality Assuarance Department			
				TURKEY			

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	::	EHST30D-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	12. 1	kW	Seasonal space heating energy efficiency	ηs	117	%
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	
Tj = - 7 ° C	Pdh	7. 3	kW	Tj = − 7 ° C	COPd	2. 70	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4. 4	kW	Tj = + 2 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	3. 8	kW	Tj = + 7 ° C	COPd	4. 78	-
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 00	-
Degradation co-efficient (**)	Cdh	0. 97	-			<u> </u>	
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1. 55	-
Tj = operation limit temperature (***)	Pdh	8. 2	kW	Tj = operation limit temperature (***)	COPd	1. 54	-
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 55	-
Bivalent temperature	Tbiv	-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		Supplementary heater			
Off mode	$P_{0FF}$	0. 022	kW	Rated heat output (*)	Psup	3. 9	kW
Thermostat-off mode	$P_{T0}$	0. 022	kW				
Standby mode	$P_{SB}$	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	$P_{\text{CK}}$	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	$m^3/h$
Sound power level, indoors/outdoors	$L_{WA}$	/ 58	dBA				
Annual energy consumption	$Q_{HE}$	9927	kWh				
For heat pump combination heater:						1	
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%
Daily electricity consumption	Qelec	7. 500	kWh				
Annual electricity consumption	AEC		kWh				
Contact details	NUITA OTUDANO. T	CUDIEV IOINT O	TOOK OOMBANN	N : 000 4 K; ; K :1:1   N   N   N   15 7		10 V M	
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA The identification and signature of th				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u bulvari No:	is tunusemre - M	amsa, Turkey
				Kenichi SAITO			
The signature is signed in the average cli	mate / medio	um-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

<sup>(\*\*\*)</sup> 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-SHWM120YAA					
		Indoor unit	::	EHST30D-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	12. 1	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	7. 3	kW	Tj = − 7 ° C	COPd	3. 67	-		
Degradation co-efficient (**)	Cdh	0. 99	_						
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 30	_		
Degradation co-efficient (**)	Cdh	0. 98	_						
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 38	_		
Degradation co-efficient (**)	Cdh	0. 97	_						
Tj = +12 ° C	Pdh	4. 6	kW	Tj = +12 ° C	COPd	8. 02	_		
Degradation co-efficient (**)	Cdh	0. 96	_						
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	2. 08	_		
Tj = operation limit temperature (***)	Pdh	8. 7	kW	Tj = operation limit temperature (***)	COPd	1. 56	_		
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 04	_		
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 <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	3. 4	kW		
Thermostat-off mode	$P_{T0}$	0. 022	kW						
Standby mode	$P_{SB}$	0. 022	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 <sub>WA</sub>	/ 58	dBA						
Annual energy consumption	$\mathbf{Q}_{HE}$	7868	kWh						
For heat pump combination heater:			•	-					
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	111	%		
Daily electricity consumption	Qelec	7. 500	kWh						
Annual electricity consumption	AEC	0	kWh						
Contact details	MILEACTURING T	TIIDKEN IUTNIT G	TOCK COMPANY	Manica OCR 4 Kisim Kasilikayash Mah. Abmat Nazif Zar	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 Zorlee supplier:	u Duivari NO:	is iunusemire - N	iuiii oa, iurkey		
no radictificación and orginaturo di th	.c por 3011	опронот оц	co billu til	Kenichi SAITO					
The signature is signed in the average clim	mate / medi	um-temperatu	re section.						
			<u></u>	TURKEY					

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<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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-SHWM120YAA				
		Indoor unit	:	EHST30D-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	12. 1	kW	Seasonal space heating energy efficiency	$\eta$ s	159	%	
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	12. 1	kW	Tj = + 2 ° C	COPd	2. 05	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	7. 7	kW	Tj = + 7 ° C	COPd	3. 42	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 65	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	2. 05	-	
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	2. 05	-	
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		•		
Off mode	P <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	$P_{T0}$	0. 022	kW			•		
Standby mode	$P_{SB}$	0. 022	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 <sub>WA</sub>	/ 58	dBA					
Annual energy consumption	$\mathbf{Q}_{HE}$	3995	kWh					
For heat pump combination heater:			•					
Declared load profile		XL		Water heating energy efficiency	$\eta$ wh	155	%	
Daily electricity consumption	Qelec	5. 600	kWh					
Annual electricity consumption	AEC		kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	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 cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department				
-				TURKEY				

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<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

<sup>(\*\*\*)</sup> 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-SHWM120YAA			
		Indoor unit	::	EHST30D-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	12. 1	kW	Seasonal space heating energy efficiency	ηs	228	%
Declared capacity for heating for part	load at	indoor	ı	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	
Ti = -7 ° C	Pdh	_	kW	Ti = - 7 ° C	COPd	_	_
Degradation co-efficient (**)	Cdh	_	_				
Tj = + 2 ° C	Pdh	12. 1	- kW	Tj = + 2 ° C	COPd	3. 30	_
Degradation co-efficient (**)	Cdh	0. 99	- "	1] - 1 2 0	001 u	0.00	
Tj = +7 ° C	Pdh		LW	T <sub>i</sub> = + 7 ° C	COPd	5. 32	
		7.7	kW		COPa	5. 32	-
Degradation co-efficient (**)	Cdh	0.99			000.1	7.40	
Tj = +12 ° C	Pdh	4. 4	kW	Tj = +12 ° C	COPd	7. 46	-
Degradation co-efficient (**)	Cdh	0. 96	_				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 30	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 30	-
Bivalent temperature	Tbiv	2	l ∘ 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	ode	ı	Supplementary heater			
Off mode	P <sub>OFF</sub>	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0. 022	- kW		<u>.</u> 		
Standby mode	P <sub>SB</sub>	0. 022	- kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW	Typo of onorgy mput		Ercotriour	
Other items	ı CK	0.000	KII				
-				Rated air flow rate, outdoors		0040	3 /1
Capacity control		variable	104		-	2640	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	/ 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2793	kWh				
For heat pump combination heater:				T		1 1	
Declared load profile		XL	1	Water heating energy efficiency	$\eta$ wh	155	%
Daily electricity consumption	Qelec	5. 600	kWh				
Annual electricity consumption	AEC	0	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - N	Manisa, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperati	re section	Manager, Quality Assuarance Department			
	,			TURKEY			

<sup>·</sup> Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

<sup>·</sup> Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

<sup>(\*)</sup> For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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

<sup>(\*\*\*)</sup> 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.