

DG79V342H06

MITSUBISH

Mtsubishi 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							-	emperat	ure appl	-											· · · · · · · · · · · · · · · · · · ·	e applica					
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	2
Outdoor unit	Indoor unit	Medium-temperature application	Seasonal space heating energy efficiency dass	Rated heat output under average climate conditions	Season al space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{wi} indoor	Rated heat output under colder dimate conditions	Rated heat output under warmer dimate conditions	Season al space heating energy efficiency under colder climate conditions	Season al 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 dimate conditions	Sound power level L _W outdoor	Low-temperature application	Season al 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 _{wi} indoor	Rated heat output under colder dimate conditions	Rated heat output under warmer dimate 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 dimate conditions	For space heating, annual energy consumption under warmer climate conditions	Sound rowar laval 1 Autobox
				kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	dB			kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	d
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	5
	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	5
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	5
	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	5
PUZ-SWM80YAA	EHSD-****D	~	A++	8	128	5053	41	8	8	111	160	6923	2629	54	~	A+++	8	179	3636	41	8	8	141	214	5493	1973	5
	ERSD-****D	~	A++	8	130	4972	41	8	8	112	166	6875	2532	54	~	A+++	8	183	3555	41	8	8	142	225	5444	1876	5
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	5
de offinition at	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	5
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	5
de offinition at	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	5
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	Ę
de offiniteotrat	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	Ę
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	5
	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	5
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	5
OE OTTAINION AT	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	5
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	5
	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	5
PUZ-SHWM60VAA	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	5
OE ON MIDO WAY	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	5
PUZ-SHWM80VAA	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	5
OE ON MIDO WAY	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	5
PUZ-SHWM80YAA	EHSD-****D	~	A++	8	131	4941	41	8	8	114	164	6737	2566	54	~	A+++	8	182	3568	41	8	8	145	220	5332	1920	5
02-311111001744	ERSD-****D	~	A++	8	133	4860	41	8	8	115	170	6689	2469	54	~	A+++	8	187	3487	41	8	8	146	232	5284	1823	5
PUZ-SHWM100VAA	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	5
02-Ontrinitio01744	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	Ę
PUZ-SHWM100YAA	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	Ę
SE SHITHINGSTAR	ERSD-****D	1	A++	10	137	5891	41	10	10	117	167	8250	3149	58	~	A+++	10	185	4399	41	10	10	150	242	6459	2179	Ę
PUZ-SHWM120VAA	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	Ę
SE SHITHIESTAR	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	Ę
PUZ-SHWM120YAA	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	Ę
SE-SHWIMIZOTAA	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	Ę
PUZ-SHWM140VAA	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	4
SE-ONWINGWAA	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	Ę
PUZ-SHWM140YAA	EHSD-****D	~	A++	14	141	8055	41	14	14	115	154	11674	4757	58	~	A+++	14	182	6262	41	14	14	153	222	8865	3319	Ę
OZ-SHWM140TAA	ERSD-****D	1	A++	14	142	7974	41	14	14	116	158	11625	4659	58	1	A+++	14	184	6181	41	14	14	154	229	8816	3222	ŧ

2.COMBINATION HEATER	R							For medium-ter	nperature a	pplication														For le	ow-temper	rature applic	ation						
1	2	3 5	6	7	8 9	10	11 12	13 14	15	16 1	7 18	19	20	21 22	23	24	25	4	5	6 7	8	9	10 11	12 13	14	15	16	17 18	3 19	20	21 22	23	24 25
		ation	Alba	lou	under	ou	nate moy	ours	der	mer	suo	su	tions	ate argy	And and	ions tions	ğ	-	-	(Rus		under	on litions ergy nate	itions or	sino	der	le l	suo	ions on the second	tions	ate ergy tate	ucy ons	bor ions
nit	it	applic	ing en	efficie	der intions intions intions	sumpti	ing en age clir efficie	v, indo	der col	der wa	mption	mption	condition	ing en	efficie conditi	efficie	KY Outo	lication		efficie	der lifions	nption	sumpti e cond ing en ige clir	e ond e cond _{vi} indo	yeak h	der col	Oel wa	nption phon	mption	mption condit	n dime ing en	efficie	efficie condition
por r	or ri	ature	e heat	mergy	put un o cond ng, consur	N cont	e heati r avera	wel L _u	un nu	ns ns ng,	mate o ing. consur	ng. ponsur mate o	ng. consur firmate	e heati	mergy mate o	anergy	wel Ly	re app	of the state	anergy	put nu	ng. consur	ng, N cons dimate e heati r avera	dimate vel L _v	g off-p	us un	n e d	mate of mate o	firmate ng, consur mate c	ng, consur timate	e heati	mate of	imate fimate wel L ₀
Oute	Inde	empel load p	lspace	ating e	at out; dimate e heat nergy o	r heati ectrici erage	under s ating e	y durin	at out	at out onditio	e he at	r heati nergy (der di	mergy (s space Ispace	s ating e der di	ating e	ower le	Seratur	load p	dass ating e	at out	e he at hergy	ectricit ectricit erage I space under	ating e erage	v durin	at out	at out onditio	der di der di e heat	rheati hergy der di	r heati nergy i rmer c	s Ispao	ating e	ating e rmer c
		dium.t	ason a ciency	ss	ted he erage (r space nual er	r water nual el	asonal ciency idition iter he	nd bu	ted he nate o	ted he nate o	der col r spaci nual ei der wa	nual er der col	nual er der vra	ciency dition asona ciency	ndition tter he der col	tter he der wa	a pun	w-temp	ched	ciency tier he	ted he	r spac nual er	r water nual el der a w ason a ciency dition	ter he der av	ark only	nate o	nate of rspace	der col	der wa r water nual er der col	r water nual er der wa	diency dition asona diency	ter col	ter he der wa
		Me G	Se E	es es	KW KWh	R KWh	%≣8 [№] 1 % %	dB ∛	윤 흥 kW	KM KN Milo R KN	h kWh	kWh	kWh	358 S5 % %	00 % W 00	sy nun	ගි dB	٩	å °	en e	kW kW	kWh	요료도 8월8 kWh %	∛n S % dB	We	£2-18 ∂ kW	호칭 요 kW	kWh kW	ନ ନିର୍କିତ h kWh	ନିକୁନ୍ଦି କୁ kWh	158 858 % %	wa wa	∛r≣ S % dB
	EHST17D-****D	✓ L		A+	6 3834	880	126 13	4 41 -	6	6 51	81 2093	1060	846	111 15	0 105	5 135	54	1		+++ A+	6	2701	880 181	134 41		6	6 4	4284 151	19 1060	846	135 208	105	135 54
	ERST17D-****D ERST17D-***BD	✓ L ✓ L			6 3779 6 3779	-	128 13 128 13		6	6 51 6 51			846 846	112 15 112 15			54 54	√ √		++++ A+	6	2646 2646	880 184 880 184	134 41 134 41		-		4251 145 4251 145		_	136 218 136 218		135 54 135 54
PUZ-SWM60VAA	EHST20D-****D	✓ L	_		6 3834	-	126 13		6	6 51				111 15			54	v V		++++ A+	6	2701	898 181	134 41				4284 151		_	135 208		139 54
	ERST20D-****D	✓ L			6 3779		128 13		6	6 51				112 15			54	1		+++ A+	6	2646	898 184	134 41				4251 145			136 218		139 54
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL			6 3834 6 3779		126 12 128 12		6	6 51 6 51				111 15 112 15			54 54	√ √		+++ A+ +++ A+	6	2701 2646	1417 181 1417 184	123 41 123 41		-		4284 151 4251 145		-	135 208 136 218		149 54 149 54
	EHST17D-****D	✓ L			8 5016	880	129 13	_	8	8 68	90 2584			111 16	2 105	5 135	54	1		+++ A+	8	3599	880 181	134 41		8	8 5	5460 192	28 1060	846	141 219	105	135 54
	ERST17D-****D	✓ L			8 4961 8 4961		130 13 130 13		8	8 68 8 68			846 846	112 16 112 16			54 54	√ √		+++ A+	8	3543 3543	880 184 880 184	134 41 134 41		-		5427 186 5427 186			142 227 142 227		135 54 135 54
PUZ-SWM80VAA	ERST17D-***BD EHST20D-****D	✓ L	_		8 5016	-	129 13		8	8 68				111 16			54	√ √		++++ A+	8	3599	898 181	134 41 134 41		-		5427 180 5460 192		_	141 219		139 54
	ERST20D-****D	✓ L			8 4961	-	130 13		8	8 68				112 16			54	1		+++ A+	8	3543	898 184	134 41	-			5427 186		_	142 227		139 54
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL			8 5016 8 4961		129 12 130 12		8	8 68 8 68				111 16 112 16			54 54	√ √		+++ A+ +++ A+	8	3599 3543	1417 181 1417 184	123 41 123 41		-		5460 192 5427 186			141 219 142 227		149 54 149 54
	EHST17D-****D	✓ L			8 5053		128 13		8		23 2629			111 16			54	1		+++ A+	8	3636	880 179	134 41				5493 197		_	141 214		135 54
	ERST17D-****D	✓ L			8 4972		130 13		8	8 68				112 16			54	1		+++ A+	8	3555	880 183	134 41	-			5444 187			142 225		135 54
PUZ-SWM80YAA	ERST17D-***BD EHST20D-****D	✓ L ✓ L			8 4972 8 5053		130 13 128 13		8	8 68 8 69			846 841	112 16 111 16			54 54	√ √		+++ A+ +++ A+	8	3555 3636	880 183 898 179	134 41 134 41	-			5444 187 5493 197			142 225 141 214		135 54 139 54
	ERST20D-****D	✓ L	_		8 4972		130 13		8	8 68				112 16			54	1		+++ A+	8	3555	898 183	134 41		-		5444 187			142 225		139 54
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL			8 5053 8 4972		128 12 130 12		8	8 69 8 68			1176 1176	111 16 112 16			54 54	√ √		+++ A+ +++ A+	8	3636 3555	1417 179 1417 183	123 41 123 41	-	-		5493 197 5444 187			141 214 142 225		149 54 149 54
	EHST20D-****D	✓ L	A++	A+	10 6106	898	132 13	4 41 -	10	10 88	13 3362	1044	841	109 15	6 109	139	58	1	L A	+++ A+	10	4564	898 178	134 41	-	10	10 6	6575 236	59 1044	841	147 223	109	139 58
PUZ-SWM100VAA	ERST20D-****D EHST30D-****D	✓ L ✓ XL		A+ A+	10 6051 10 6106		134 13 132 12		10	10 87 10 88			841 1176	109 15 109 15			58 58	√ √		+++ A+	10 10	4509 4564	898 180 1417 178	134 41 123 41	-			6555 230 6575 236			147 229 147 223		139 58 149 58
	ERST30D-****D	✓ XL ✓ XL			10 6106		132 12 134 12		10		13 3362 80 3296			109 15 109 15			58	√ √		+++ A+ +++ A+	10	4564	1417 178 1417 180	123 41 123 41	-			6555 230			147 223 147 229		149 58 149 58
	EHST20D-****D	✓ L	_	A+	10 6141		132 13		10		40 3405			109 15			58	1		+++ A+	10	4600	898 177	134 41				6601 241			146 219		139 58
PUZ-SWM100YAA	ERST20D-****D EHST30D-****D	✓ L ✓ XL		A+ A+	10 6061 10 6141		133 13 132 12		10	10 87 10 88			841 1176	109 15 109 15		_	58 58	√ √		+++ A+ +++ A+	10 10	4519 4600	898 180 1417 177	134 41 123 41	-			6565 231 6601 241			147 228 146 219		139 58 149 58
	ERST30D-****D	✓ XL	A++	A+	10 6061	1417	133 12	3 41 -	10	10 87	91 3308	1759	1176	109 15	9 98	149	58	1	XL A	+++ A+	10	4519	1417 180	123 41	-	10	10 6	6565 231	14 1759	1176	147 228	98	149 58
	EHST20D-****D ERST20D-****D	✓ L ✓ L	_		12 7450 12 7395		131 13 132 13		12	12 100 12 100			841 841	109 15 109 15			58 58	✓ ✓		+++ A+	12 12	5566 5511	898 177 898 178	134 41 134 41				8290 288 8257 281			141 221 141 227		139 58 139 58
PUZ-SWM120VAA	EHST30D-****D	✓ L			12 7395		132 13		12	12 100				109 15			58	v √		++++ A+	12	5566	1417 177	123 41				8290 288			141 221		149 58
	ERST30D-****D	✓ XL			12 7395		132 12		12	12 100				109 15			58	1		+++ A+	12		1417 178	123 41				8257 281			141 227		149 58
	EHST20D-****D ERST20D-****D	✓ L ✓ L		A+ A+	12 7485 12 7404		131 13 132 13		12	12 100 12 100	698 4157 649 4060		841 841	109 15 109 15			58 58	√ √		++++ A+	12 12	5600 5520	898 176 898 178	134 41 134 41				8316 292 8267 282			140 218 141 226		139 58 139 58
PUZ-SWM120YAA	EHST30D-****D	✓ XL	A++	A+	12 7485	i 1417	131 12	3 41 -	12	12 100	698 4157	1759	1176	109 15	3 98	149	58	1		+++ A+	12	5600	1417 176	123 41	-	12	12 8	8316 292	22 1759	1176	140 218	98	149 58
	ERST30D-****D EHST20D-****D	✓ XL ✓ L	_		12 7404 14 8438		132 12 134 12		12		649 4060 843 4893		1176 888	109 15 104 15			58 58	√ √		+++ A+	12 14	5520 6483	1417 178 965 175	123 41 123 41				8267 282 0250 336			141 226 132 219		149 58 130 58
PUZ-SWM140VAA	ERST20D-****D	V L			14 8383		135 12		14	14 128		1070	888	105 15	2 105	5 130	58	1		+++ A+	14	6428	965 177	123 41				0217 330			132 224	105	130 58
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL	A++ A++		14 8438 14 8383		134 11 135 11		14	14 128 14 128				104 15 105 15			58 58	√ √		+++ A +++ A	14 14	6483 6428	1610 175 1610 177	114 41 114 41	-			0250 336			132 219 132 224		130 58 130 58
	EHST20D-****D	v ∧L √ L	_		14 8473	_	133 11		14	14 128				103 13		_	58	v √		++++ A+	14	6517	965 175	123 41				0275 340		_	131 217		130 58
PUZ-SWM140YAA	ERST20D-****D	✓ L	_		14 8392		135 12		14	14 128				105 15			58	1		+++ A+	14	6437	965 177	123 41	-			0226 331			132 223		130 58
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL	A++ A++	A	14 8473 14 8392		134 11 135 11		14	14 128 14 128			1434 1434	104 14 105 15			58 58	√ √		++++ A ++++ A	14 14	6517 6437	1610 175 1610 177	114 41 114 41				0275 340			131 217 132 223		130 58 130 58
	EHST17D-****D	✓ L		A+	6 3761		129 13		6	6 49			846	115 15			54	1		+++ A+	6	2655	880 184	134 41	-	6		4202 143			138 220		135 54
	ERST17D-****D ERST17D-***BD	✓ L ✓ L			6 3706 6 3706		131 13 131 13		6	6 49 6 49				116 16 116 16			54 54	√ √		+++ A+ +++ A+	6	2600 2600	880 188 880 188	134 41 134 41			-	4168 137 4168 137			139 231 139 231		135 54 135 54
PUZ-SHWM60VAA	EHST20D-****D	✓ L		A+	6 3761		129 13		6	6 49			841	115 15			54	1		+++ A+	6	2655	898 184	134 41				4202 143			138 220		139 54
	ERST20D-****D EHST30D-****D	✓ L ✓ XL			6 3706 6 3761		131 13 129 12		6	6 49 6 49	60 1914 93 1980			116 16 115 15			54 54	√ √		+++ A+ +++ A+	6	2600 2655	898 188 1417 184	134 41 123 41	-			4168 137 4202 143			139 231 138 220		139 54 149 54
	ERST30D-****D	✓ ×L ✓ XL			6 3706		131 12		6	6 49				116 16			54	v √		++++ A+	6		1417 184 1417 188	123 41				4168 137			139 231		149 54
	EHST17D-****D	✓ L			8 4904		132 13		8	8 67			846	115 16			54	1		+++ A+	8	3530	880 184	134 41		8	-	5299 187			146 225		135 54
	ERST17D-****D ERST17D-***BD	✓ L	A++ A++		8 4849 8 4849		133 13 133 13		8		72 2454 72 2454			115 17 115 17			54 54	1		+++ A+ +++ A+	8	3475	880 187 880 187	134 41 134 41		8		5266 180 5266 180			147 233 147 233	105	135 54 135 54
PUZ-SHWM80VAA	EHST20D-****D	✓ L			8 4904		132 13		8		05 2521			115 16				1		+++ A+	8		898 184	134 41	-			5299 187			146 225		139 54
	ERST20D-****D EHST30D-****D	✓ L ✓ XL			8 4849 8 4904		133 13 132 12		8		72 2454 05 2521			115 17 115 16				√ √		+++ A+ +++ A+	8	3475 3530	898 187 1417 184	134 41 123 41	-			5266 180 5299 187			147 233 146 225		139 54 149 54
	ERST30D-****D	✓ XL	A++		8 4849	1417	133 12	3 41 -	8	8 66	72 2454	1759		115 17	1 98	149		√	XL A	+++ A+		3475	1417 187	123 41	-		8 5	5266 180	08 1759	1176	147 233	98	149 54
	EHST17D-****D ERST17D-****D	✓ L ✓ L			8 4941 8 4860		131 13 133 13		8		37 2566 89 2469			114 16 115 17			54 54	√ √		+++ A+ +++ A+	8	3568 3487	880 182 880 187	134 41 134 41	-	8		5332 192 5284 182			145 220 146 232		135 54 135 54
	ERST17D-***BD	✓ L	_		8 4860	880	133 13	4 41 -	8	8 66	89 2469	1060	846	115 17	0 105	5 135	54	√		+++ A+	8	3487	880 187	134 41	-	-	8 5	5284 182	23 1060	846	146 232	105	135 54
PUZ-SHWM80YAA	EHST20D-****D ERST20D-****D	✓ L ✓ L			8 4941 8 4860		131 13 133 13		8	8 67 8 66	37 2566 89 2469			114 16 115 17			54 54	√ √		+++ A+ +++ A+	8 8	3568 3487	898 182 898 187	134 41 134 41	-			5332 192 5284 182			145 220 146 232		139 54 139 54
	ERST20D-****D EHST30D-****D	✓ L ✓ XL			8 4860 8 4941		133 13 131 12		8		89 2469 37 2566			115 17 114 16				√ √		+++ A+ +++ A+	8		898 187 1417 182	134 41 123 41	-			5284 182 5332 192			146 232 145 220		139 54 149 54
	ERST30D-****D	✓ XL	A++	A+	8 4860	1417	133 12	3 41 -	8	8 66	89 2469	1759	1176	115 17	98	149	54	√	XL A	+++ A+	8	3487	1417 187	123 41	-	8	8 5	5284 182	23 1759	1176	146 232	98	149 54
	EHST20D-****D ERST20D-****D	✓ L ✓ L			10 5936 10 5881		136 13 138 13		10		72 3204 39 3138		841 841	116 16 117 16			58 58	√ √		+++ A+ +++ A+	10 10	4444 4389	898 183 898 185	134 41 134 41	-			6480 223 6447 216			149 236 150 244		139 58 139 58
PUZ-SHWM100VAA	EHST30D-****D	✓ XL	A++	A+	10 5936	5 1417	136 12	3 41 -	10	10 82	72 3204	1759	1176	116 16	4 98	149	58	✓	XL A	+++ A+	10	4444	1417 183	123 41	-	10	10 €	6480 223	33 1759	1176	149 236	98	149 58
	ERST30D-****D EHST20D-****D	✓ XL ✓ L			10 5881 10 5972		138 12 135 13		10 10	10 82 10 82	39 3138 98 3246			117 16 116 16			58 58	1		+++ A+ +++ A+	10 10	4389 4480	1417 185 898 181	123 41 134 41	-			6447 216 6508 227			150 244 149 232		149 58 139 58
PUZ-SHWM100YAA	ERST20D-****D	✓ L ✓ L			10 5972		135 13 137 13		10		98 3246 50 3149			116 16 117 16			58 58	√ √		++++ A+ ++++ A+	10	4480 4399	898 181 898 185	134 41 134 41	-			6459 217			149 232 150 242		139 58 139 58
JZ-SHWMIUUYAA	EHST30D-****D	✓ XL	A++		10 5972	1417	135 12	3 41 -	10	10 82	98 3246	1759	1176	116 16	2 98	149	58	~	XL A	+++ A+	10	4480	1417 181	123 41	•	10	10 €	6508 227	76 1759	1176	149 232	98	149 58
	ERST30D-****D EHST20D-****D	✓ XL ✓ L			10 5891 12 7169	_	137 12 136 13		10 12	10 82 12 99	50 3149 02 3952			117 16 117 16			58 58	√ √		+++ A+ +++ A+	10 12	4399 5481	1417 185 898 179	123 41 134 41	-			6459 217 7843 275			150 242 149 232		149 58 139 58
PUZ-SHWM120VAA	ERST20D-****D	✓ L	A++	A+	12 7114	898	138 13	4 41 -	12	12 98	69 3886	1044	841	118 16	3 109	139	58	✓	L A	+++ A+	12	5426	898 181	134 41	-	12	12 7	7810 268	37 1044	841	150 238	109	139 58
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL			12 7169 12 7114		136 12 138 12		12	12 99 12 98	02 3952 69 3886			117 16 118 16			58 58	√ √		+++ A+ +++ A+			1417 179 1417 181	123 41 123 41	-			7843 275 7810 268			149 232 150 238		149 58 149 58
	EHST20D-****D	✓ AL			12 7114		136 12		12		27 3995			117 15				√ √		++++ A+ +++ A+		5426 5516	898 178	123 41 134 41				7868 279			149 228		149 58 139 58
PUZ-SHWM120YAA	ERST20D-****D	✓ L			12 7123		137 13		12		78 3898			118 16				~		+++ A+		5435	898 181	134 41	-			7819 269			150 237		139 58
	EHST30D-****D ERST30D-****D	✓ XL ✓ XL			12 7204 12 7123		136 12 137 12		12	12 99 12 98	27 3995 78 3898			117 15 118 16			58 58	√ √		+++ A+ +++ A+			1417 178 1417 181	123 41 123 41	-			7868 279 7819 269			149 228 150 237		149 58 149 58
	EHST20D-****D	✓ L	A++	A+	14 8021	965	141 12	3 41 -	14	14 110	650 4715	1070	888	115 15	6 105	5 130	58	√	L A	+++ A+	14	6227	965 183	123 41	-	14	14 8	8841 327	79 1070	888	153 225	105	130 58
PUZ-SHWM140VAA	ERST20D-****D EHST30D-****D	✓ L ✓ XL			14 7965 14 8021		142 12 141 11		14 14		617 4649 650 4715			116 15 115 15				√ √		+++ A+ +++ A			965 184 1610 183	123 41 114 41	-			8807 321 8841 327			154 230 153 225		130 58 130 58
	ERST30D- D	✓ XL			14 7965		141 11		14		617 4649			116 15				√ √		+++ A			1610 183 1610 184	114 41	-			8807 321			154 230		130 58
	EHST20D-****D	✓ L ✓ L			14 8055		141 12		14 14		674 4757			115 15				√ √		+++ A+ +++ A+	14	6262	965 182	123 41	•			8865 331			153 222		130 58 130 58
PUZ-SHWM140YAA	ERST20D-****D EHST30D-****D	✓ L ✓ XL			14 7974 14 8055		142 12 141 11		14		625 4659 674 4757			116 15 115 15	8 105 4 104			√ √		+++ A+ +++ A		6181 6262	965 184 1610 182	123 41 114 41	-			8816 322 8865 331			154 229 153 222		130 58 130 58
	ERST30D-****D	✓ XL	A++	А	14 7974	1610	142 11	4 41 -	14	14 110	625 4659	1755	1434	116 15	8 104	130	58	1	XL A	+++ A	14	6181	1610 184	114 41	-	14	14 8	8816 322	22 1755	1434	154 229	104	130 58

C)
G)
1	1
3	Ś
Ī	>
Ć	>
Ň	5
<	-
=	2
C	
_	2

Construction Construction<	English Rederlands suomi 1 Duideoor unit	Deutsch Svenska Čeština Außengerät	Français Dansk Български Unité exterieure
	Ulterunit Ulkoyksikkö	Venkovní jednotka	Udenders enhed BъHumdo rsno
Name Name <th< td=""><td>binnenu Sisävks</td><td>Inonhusenhet Inonhusenhet Visitär isakoato</td><td>Indendors enhed</td></th<>	binnenu Sisävks	Inonhusenhet Inonhusenhet Visitär isakoato	Indendors enhed
	Sussy same Medium-temperature application Medium-temperature application	Mitellemperaturanwendung modium/angenaturanwil/ation	l'application à moyenne température Invivéntemente annovemente température
Constrained SectionConstrained 	keski	menummemperaturappmanum stredněteplotní aplikace	плисиетилиритациталититисизет среднотемпературното приложение
NumberConstruction <th< td=""><td>Low-</td><td>Niedertemperaturanwendung lågtemperaturapplikation</td><td>l'application à basse température lavtemperaturanvendelsen</td></th<>	Low-	Niedertemperaturanwendung lågtemperaturapplikation	l'application à basse température lavtemperaturanvendelsen
Description	mata	nizkoteplotni aplikace Anorodonaa I astronfi	9 4
Neuronal and any and a subject of the subje	Opg	Angegebenes Lastprofi Deklarerad belastningsprofil	우오
Control Control <t< td=""><td>Ilmo</td><td>Deklarovaný zátěžový profil Jih Khonov filr říla jahrasozlitharlinota Raumhaizunne.Enarrilaaffizianz</td><td>Обявен товаров профил In Alaron Alafficanité ánarvátivula saiconniára, nour la chauffane des locaux</td></t<>	Ilmo	Deklarovaný zátěžový profil Jih Khonov filr říla jahrasozlitharlinota Raumhaizunne.Enarrilaaffizianz	Обявен товаров профил In Alaron Alafficanité ánarvátivula saiconniára, nour la chauffane des locaux
Construction End of a constrution End o	de seizoensg	die Klasse nur die Jahreszeittedingte kaummerzungs-Energieerinzenz säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning	la classe d'emcacite energetique saisonniere, pour le criauriage ues iucaux klassen for årsvirkningsgrad ved rumopvarmning
Barter de Bar	tilalämmityks Water heatin	3 0	класът на сезонната отоплителна енергийна ефективност la rlasse rl'efficacité énercéticue. cour le chaufface de l'eau
Constraint Constraint <thconstraint< th=""> Constraint Constrai</thconstraint<>	de energie-et	energieffektivitetsklass vid vattenuppvärmning	- arsvirkningsgrad ved vandopvarmning
Bern Reserved Subjects Bern Reserved Subjects<	vedenlä Rated h	třída energetické účinnosti ohřevu vody die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	енергийната ефективност при подгряване ce thermique nominale dans les conditions cli
Construction Construction<	de nominale warmteafgifte(onder gemiddelde klimaat	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	elle nytteeffekt(under gennemsnitlige klimafo
Number Number<	inmasto-olosunte	vykon(za prumernych kiimatickych podminek) ing, den jährlichen Energieverbrauch bei durchschnittlichen Klim	ата топлинна мощност(при средни климатични условия) uffage des locaux, la consommation annuelle d'énergie(dans
Numerical (No. 1) Contrast (No. 1) <thcontrast (no.="" 1)<="" th=""> <thcontrast (no.="" 1)<="" <="" td=""><td>voor niimtevenvarmino het iaarliikse energieverbruik(onder gemiddelde</td><td>suppyärmning ärlig energiförbri kning/vid genomsnittling klimatförbållande</td><td>s moyennes) armning det årlige energiforbrug(under gennemsnitlige klimaf</td></thcontrast></thcontrast>	voor niimtevenvarmino het iaarliikse energieverbruik(onder gemiddelde	suppyärmning ärlig energiförbri kning/vid genomsnittling klimatförbållande	s moyennes) armning det årlige energiforbrug(under gennemsnitlige klimaf
Name Name <th< td=""><td>voor iumiteveri wainimis, iret jaanijkse energijeveruruik(viriver germuuerve klimaatomstandigheden) viria materia gebeden</td><td>supprentiming, and energinoronaning via genoritoritoritaria.</td><td>runiopvaniming aat aninga anarginon nagumara gammananiminga kiintaron noon)</td></th<>	voor iumiteveri wainimis, iret jaanijkse energijeveruruik(viriver germuuerve klimaatomstandigheden) viria materia gebeden	supprentiming, and energinoronaning via genoritoritoritaria.	runiopvaniming aat aninga anarginon nagumara gammananiminga kiintaron noon)
Sector Sector<	skimääräisissä ilmasto-olosuhteissa)	roční spotřeba energie za průměrných klima	отопление, годишното потребление на енергия(при средни климатични условия)
Numery of weight weig	annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	ur le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions natiques moyennes)
Construction </td <td>voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandicheden)</td> <td>ärmning, årlig elförbruknir</td> <td>vandopvarmning det</td>	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandicheden)	ärmning, årlig elförbruknir	vandopvarmning det
Constrained by any direct years of priority for any opping	mmaatomasamagineaan) vedenlänmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)	ohřev vody – roční spotřeba elektrické energie za	за подгряване на вода, годишното потребление(при средни климатични условия)
Construction </td <td></td> <td>jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klima</td> <td>ve saisonnière pour le chauffage des locaux(dans les</td>		jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klima	ve saisonnière pour le chauffage des locaux(dans les
NetworkAnd service of a service	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder	medelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållar	es) ved rumopvarmning(under gennemsnitlige klimaforhold)
Operation Operation <t< td=""><td>klimaatomstandigheden) tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilm</td><td>nnost vytápění za průměrných klimatických podmínek</td><td>на ефективност при отопление(при средни климатични условия)</td></t<>	klimaatomstandigheden) tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilm	nnost vytápění za průměrných klimatických podmínek	на ефективност при отопление(при средни климатични условия)
Canada a dialong a manung a dialong and dialong and dialong and a dialong and dialong and a dialong and d	Water heating energy efficiency under average climate conditions	asserbereitungs-Energieeffizienz bei	pour le chauffage de l'eau(dans les conditions climatiques
Cardinal cardi	0	iing(vid genomsnittliga klimatförh	iteten ved vandopvarmning(under gennemsnitlige kli
Description of the property of the pro	<	průměrných klimatických podmír	ефективност при подгряване на вода(при средни климатични услов
But And Constraint Service But Service Service But Service Service But Service Service But Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Servic	Sound power level L _{WA} indoor	der Schallleistungspegel L _{WA} , in Gebäuden	le niveau de puissance acoustique L wa , à l'intérieur
Marcine unity on an environmentBuild and selection belonging in the selection	13 het geluidsvermogensniveau L _{WA} binnen äänitehotaso L _{WA} sisällä	Ljudeftektnivá L _{WA} i inomhus hladina akustického výkonu L _{WA} ve vniťňním prostoru	lydeffektniveauet L _{WA} i inde нивото на звуковата мощност L _{WA} на закрито
Burger and Labor. Many and Burger and Labor. Since and	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionner qu'en heures creuses
Balance and and an and a series of an analysis of an analy	14 werken utsluttend in de daluren toimimaan ainoastaan kulutushuippujen ulkopuolella	drīvas uteslutande under perioder med lag belastning provozu pouze mimo špičku	Tungere uden tor spidsbelastningsperioder работи само в часовете извън върховото натоварване
Citery and with a binary balance from an under the second of the seco	Rated heat output under colder climate conditions 15 Ide nominale warmteafgifte, onder koudere klimaatomstandigheden	die Wärmenennleistung bei kälteren Klimaverhältnissen Nominell avgiven värmeeffekt vid kallare klimatförhållanden	la puissance thermique nominale, dans les conditions climatiques plus froides den nominelle nytteeffekt under koldere klimaforhold
Constraint Constra	nimellislämpöteho, kylmissä	chladnějších klimati	номиналната топлинна мощност при по-студени климатични усповия la ruissance therminue nominale dance les conditions climaticues plus chaudes
Construction Construction<	de nominale warmteafgifte,	ekt vid varmare klima	lia puissance mermique nominale, dans les conditions climatiques plus chaudes den nominelle nytteeffekt under varmere klimaforhold
number of a number	nimellislämpöteho, lämpimissä ilmasto-olosuhteissa Eor space heating annual energy consumption under colder clin	výkon za teplejších klimatických podmínek una der išbrliche Energieverbrauch hei kálteren Klimaverbá	та топлинна мощност при по-топли климатични условия #ало des locality. la consommation annuelle d'énercie, dans les
converte converte converte supercharance superchara	· · · · · · · · · · · · · · · · · · ·		plus froides
Instrume Instrum Instrume Instrume	voor runnieverwanning, net jaariijkse energieverbruik onber klimaatomstandigheden		aer suide eireidiioi nind midei kondere viimaionnoid
For proor handly, a mult energy consumption under warmer dinate conditions End of a family and under grant dinate conditions	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa		эние, годишното потребление на енергия при по-студени климатични услови
Curr universandEdit number of a number of	rgy consumption under warmer cl	umheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	ffage des locaux, la consommation annuelle d'énergie, dans les conditions
Immune membranden intermentational intermentational intermentatin intermentational intermentationa <td>voor ruimteverwarming, het jaarlijkse energieverbruik on</td> <td>uppvärmning, årlig energiförbrukning under varmare klimatförhållanden</td> <td>mning det årlige energiforbrug under varmere klimaforhold</td>	voor ruimteverwarming, het jaarlijkse energieverbruik on	uppvärmning, årlig energiförbrukning under varmare klimatförhållanden	mning det årlige energiforbrug under varmere klimaforhold
Event where heading, annual energy consumption under coder of meter condroms End devention an under of electricity, dans he condroms End devention an under of elect	tilal	ápění – roční spotřeba energie za teplejších klimatických podmínek	е, годишното потребление на енергия при по-топли климатични условия
Non-vene-venering: het jaarligte eeldricklosvebrak onder kondere Instance	For water heating, annual energy consumption under colder climate conditions	Warmwasserbereitung, der jährliche	e l'eau, la consommation annuelle d'électricité, dans les conditions
Instrumentangingenin Instrumen	voor waterverv	ssen vattenuppvärmning, årlig elförbrukning	g det årlige elforbrug under koldere klimaforhold
Construction Constructin Construction Construction </td <td>klimaatomstandigheden vedenlämmitvksestä vuotuinen sähkönkulutus kvimissä ilmasto-olosu</td> <td>vodv – roční spotřeba elektrické energie za chladnějších klimati</td> <td>вода, годишното потребление на електроенергия при по-студени кл</td>	klimaatomstandigheden vedenlämmitvksestä vuotuinen sähkönkulutus kvimissä ilmasto-olosu	vodv – roční spotřeba elektrické energie za chladnějších klimati	вода, годишното потребление на електроенергия при по-студени кл
Name Instant I	nergy consumption under warmer climate	rmwasserbereitung, der jährliche Stromverbrauch bei wärmeren	ни условия ни условия chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions
Non-waterwarming, nig annyce eventroeleswarming, ang entrochung under ramae eunancen For vanouvparming, ang entrochung under roma Final experimentation vanouvparming, vanouvparming, ang entrochung For othew rody - rochi spitriba elektrick energies z telejisch klinatolych podmink anauvpaeue augu, nyuuworo norpdeneue ele auserpoeuppaen ny no-roma water anauvpaeue augu, nyuuworo norpdeneue elektrick energies z telejisch klinatolych podmink anauvpaeue augu, nyuuworo norpdeneue elektrick energies z energies augus For vanouvpaeue ny no-roma water anauvpaeue elektrick reduce energie reduce elektrick reduce elektrick vanouvpaeue energie efficiencie voor runneverming onder kodere Sasongan dektriching energie ficiencie vor runneverming onder warme Sasongan dektriching energie ficiencie Sasongan dektriching energie ficiencie Reduce elengies augus vanov energie efficiencie voor runneverming onder warme Sasongan dektriching energie ficiencie vor runneverming onder warme Sasongan dektriching energies ficiencie vor runneverming onder warme vanouvpaeue Reduce elengies augus vanov energie efficiencie voor runneverming onder warme Sasongan dektriching energies ficiencie vor runnevpaeue Reduce elengies augus Reduce elengies augus vanov energies ficiencie voor runnevereree klinatacodolici Sasongan dektriching energi	i oi wara i realing, annuar ana gy consumption unior wanner unnas condutons voor waterverwarning het iaarliikes elektriciteiteverhnik onder warmere	annwasserberending, der Jannindre Onornverbra	natiques plus chaudes vandonvarmning det årlige elfo
wdenilimmitykastä wuluinen sähkörikuluta äimpinissä innasto-olsuhteissapro ohiev vody - notni spotfeba elektride energie za teplejäch kimaitikych podminekan narpmaene ne spat, namunoro norpeforeme ne energiene file energiene energie	voor waterverwarming, net jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	huppvarmning, arlig eltorbrukning under varma	vandopvarmning det arlige elfororug under varmere klimatorhold
Seasonal space hading energy efficiency under coder climate conditions de jahreszeibednege Effizientis voor ruintevervarming onder koudere Bisangsmedie/koude Ferdige effizientis voor ruintevervarming onder koudere Ferdige effizientis voor ruintevervarming onder koudere konder koudere koud	vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmír	зане на вода, годишното потребление на електроенергия при по-топли клим повия
Geschenzigsborden erergierficiente voor uninterververming onder koudere Sisongsmedelverkningsgreid for rumsupprämming under kalare klimatichallanden Ensistentingsgreiden verzinzengeletentik All ficiencia erergietentik All ficiencia ererergietentik All ficiencia erergietent	Seasonal space heating energy efficiency under colder climate conditions	dingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnis:	énergétique saisonnière pour le chauffage des locaux, dans les conditions
Image: Instance Sezonni energieticki účinnost vylapeni za chladnějšich klimatických podmínek Cesonera enerpieticki energieticki v protene npm no-cryzem vrumare vruma voroem klimatorich podmínek Cesonera energieticki v protene npm no-cryzem vrumare Inflienza energietica sag Ge seloneragebonden energie efficiente vor rumevemaming onder varmere Ge seloneragebonden energie efficiente vor rumevemaming onder varmere Sasongsmedelverkningsgrad för rumsupprämming under varmare klimatorihallanden Feficacité énergétique sasonniere pour le chauffage des locaux, dans les conditions Calde Valar heating energy efficiency under colder climate colder climate colder climate orditions Gescongspedene	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder	smedelverkningsgrad för rumsuppvärmni	ved rumopvarmnir
Seasonal space heating energy efficiency under warmer climate conditions de jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhälnissen Fefficacité energietue saisonnière pour le chauffage des locaux, dans les conditions Fefficacité energietues de seizoensgebonden energie-efficientle voor ruimteverwarming onder warmere Säsongsmedelverkningsgrad för rumsupprämming under varmare klimatförhållanden Fefficacité energietues Caudes Ca	kiiritadorristarituigriederi tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olost	nost vytápění za chladnějších klimatických	енергийна ефективност при отопление при по-студени климатични условия
escoresignedclimatiques plus chardesclimatiques plus chardes	mer climate	jahreszelthedinate Raumheizrungs-Energieeffizienz hei wärmeren Klimaverhältniss	ue saisonnière nour le chauffane des locaux dans les conditions
de selzcensgebonden energie-efficientie voor ruimteverwarming onder warmere Sasongsmedelverkningsgrad für rumsupprämming under varmare klimatförhållanden årsvirkningsgraden ved rumspvarming under varmere klimatforhold A eficieria energietica do tillamatomstandigheden sezonni energietica für rumsupprämming under varmare klimatförhållanden érisvirkningsgraden ved rumspvarming under varmere klimatforhold ego energietica für rumsupprämming under kallare klimatförhållanden ferligeriser klimatförhold energietica für rumsupprämming under kallare klimatförhållanden energiefickiviteten ved vandopvarmning under varmere klimatförhold energiefickiviteten ved vandopvarmning under varmare klimatförhållanden energiefickiviteten ved vandopvarmning under varmere klimatförhållanden energiefickiviteten ved vandopvarmning under varmere klimatförhållanden energiefickiviteten ved vandopvarmning under varmere klimatförhold eficiencia energietica do raticiera energi	Seasonal space heating energy efficiency under warmer climate conditions	jahreszeitbedingte Raumheizungs-Energieettizienz bei warmeren Klimaverhaltniss	ue saisonnière pour le chautfage des locaux, dans les conditions audes
Natistationen energiatehokkus lämpinissä ilmasto-olosuhteissa sezonni energetick ücinnost vytäpěni za teplejšich klimatických podmínek cesonhara eneprviha edekrivehocr npv oronnenve npv no-ronnv krivmatriveh ycnoeva sezonova elektywność en Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden Genergiefficienz bei kälteren Klimaverhältnissen I efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus I efficienza energetica di redise Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden Energiefficienz bei vainnost ohrevu vody za chladnějšich klimatických podmínek I energiefficientie ved vandoprarmning under koldere klimatorny morornyee va sopa npo-cryzee krivnekocr npv nogrpase va sopa npv no-cryzee krivnekocr npv nogrpase va sopa npv no-crvnev krivnekor energietica do craveficientie krivi	klir de	medelverkningsgrad för rumsuppvärmning under varmare klimatförhållan	ved rumopvarmning under varmere klimaforhold
Water heating energy efficiency under colder climate conditions die Warnwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen reficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus reficienz energetica di ré de energie-efficientle voor waterverwarning onder koudere klimaatomstandigheden Energieffektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid varterververververververververververververve	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	energetická účinnost vytápění za teplejších klim	енергийна ефективност при отопление при по-топли климатични усл
de energie-efficiêntie voor waterverwarming onder koudere klimaatomstandigheden Energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden energiefektiviteten ved vandopvarmning under koldere klimatforhållanden energietica os vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden energiefektiviteten ved vandopvarmning under koldere klimatforhållanden energiefektiviteten ved vandopvarmning under koldere klimatforhållanden energiefektiviteten ved vandopvarmning under kallare klimatforhållanden energiefektiviteten ved vandopvarmning under varmer klimatforhållanden feficacite inergiefica os de energie-efficientie voor waterverwarming onder warmere klimaatomstandigheden Energiefektivitet vid vattenuppvärmning under varmare klimatforhållanden energiefica os energiefica os vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa Energieficktivitet vid vattenuppvärmning under varmare klimatforhållanden energieficktiviteten ved vandopvarmning under varmere klimatorhold energiefica os sound power level L _{WA} butlen energieficktivitet vid vattenuppv	Water heating energy efficiency under colder climate conditions	ass	pour le chauffage de l'eau, dans les conditions clim
Vedenlämmlyksen energiatehokkus kylmissä ilmasto-olosuhteissa energetickå učinnost ohfevu vody za chladnějšich klimatických podminek energienterview or vedenlämmityksen energiatehokkus kylmissä ilmasto-olosuhteissa energietická učinnost ohfevu vody za chladnějšich klimatických podminek energietická učinnost ohfevu vody za teplejšich klimatických podminek energietická učinnost ohfevu vody za teplejšich klimatických podminek energieticki vod varance varance klimatorhold energietická učinnost ohfevu vody za teplejšich klimatických podminek energieticki varance klimatorhold energietická učinnost ohfevu vody za teplejšich klimatických podminek energieticki varance klimatorhold energietická učinnost ohfevu vody za teplejšich klimatických podminek energieticki varance klimatorhold energietická učinnost ohfevu vody za teplejšich klimatických podminek energieticki varance klimatorhold			teten ved vandonvarmning under koldere klimaforhold
Mater heating energy efficiency under warmer climate conditions die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus Pafficienza energetica di ris Valer heating energy efficiency under warmer climate conditions die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus Pafficienza energetica di ris de energie-efficientie voor waterverwarming onder warmere klimaato-olosubtiessa Energieffektivitet vid vartenuppvärmning under varmare klimatförhållanden energiefektiviteten ved vandopvarmning under varmere klimatorhold a eficiência energética do i vedenlämmit/ksen energiatehokkuus lämpimissä ilmasto-olosubteissa energetická účinnost ohřevu vody za teplejších klimatičkých podmínek energiefektiviteten ved vandopvarmning under varmere kapa npu no-ronnu knuwaru+uv ycnoeux efektywność energetyczna Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur il ivello di poterza sonora Net geludsvermogensniveau L _{WA} bulten Ljudefektrivián L _{WA} i udorhuka lorvel de poténcia sonora On rivel de poténcia sonora			енен уей уапооруантный иноет консете кы эфективност при подгряване на вода при
de energie-efficiêntie voor waterverwarming onder warmere klimaatomstandigheden Energiefiektivitet vid vattenuppvärmning under varmare klimaaförhållanden energiefiektiviteten ved vandopvarmning under varmere klimatorhöld vedenlämmityksen energiatehökkuus lämpimissa ilmasto-olosuhteissa energiefiekta üčinnost ohřev vody za teplejšich klimatických podmínek energiefiektiviteten ved vandopvarmning under varmere klimatorhöld Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien energienstiveau L _{WA} butlen ka textérieur Integluidsvernogenstriveau L _{WA} butlen L_WA butlen L_WA i l'extérieur	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	chauffage de l'eau, dans le
vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa energetická účinnost ohřevu vody za teplejšich klimatických podmínek енергийната ефективност при подгряване на вода при по-топли климатични условия Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur ledelivermogenstriveau L _{WA} buiten L _{WA} buiten L _{WA} i udontus	de eneraie-	opvärmn	
Image: Sound power level L _{WA} outdoor der Schallteistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur Sound power level L _{WA} outdoor Ljudeffektnivân L _{WA} i utomhus lydeffektnivân L _{WA} i utomhus	vedenlämmi	vody za	ефективност при подгряване на вода при по-топли климатични
het geluidsvermogensniveau L _{WA} buiten L _{WA} i ude Ljudeffektnivån L _{WA} i utomhus			-
		ien	acoustique L WA à l'extérieur

	Fenañol
	EAAŋvıká
	unidad exterior Eξωτερική μονάδα
	unidad interior Ecrumpokh μονάδα
	- la aplicación de media temperatura In εφαριμογή σε μέση θεριμοκρασία
	- la aplicación de baja temperatura η εφαρμογή σε χαμηλή θερμοκρασία
	erfil de carga declara ηλωμένο προφίλ φορ
	clase de eficiencia energética esta
	la clase de eficiencia energética estacional de calefacción η πάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου -
	la clase de eficiencia energética del caldeo de agua η τάξη εντεργειακής απόδοσης θέρμανσης νερού
	 a la policia calorífica nominal(en condiciones climáticas medias) n ονομαστική θεριμική ισχύς(υπό μέσες κλιματικές συνθήκες)
imatiche	- para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)
limáticas mé	ια τη θέρμανση χώρου
ach klimatu	
natiche medie)	para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)
s climáticas m warunkach	για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες) -
limatiche	la eficiencia energética estacional de calefacción(en condiciones climáticas medias)
náticas mé	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)
n klimatu edie)	ficiencia energética del caldeo de agua(en condiciones climáticas medias)
édias) owanego)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -
	el nivel de potencia acústica L _{WA} en interiores η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
	funcionar solamente durante las horas de baja demanda λεπουργία μόνο εκτός των ωρών αιχμής
	a per la polecia calorífica nominal en condiciones climáticas más frías η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	la potencia calorífica nominal en condiciones climáticas más cálidas η ονοματική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
limatiche più	- para calentar espacios, el consumo anual de energía en condiciones climáticas más frías
limáticas mais	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
다	
limatiche più limáticas mais	para calentar espacios, el consumo anual de energía en condiciones climáticas más cá lidas vird Brunovn vilnou i a rrhona kornováhvon svérovara umó Broulótaner klumtkér mivBriker
atu	
matiche più	para calentar agua, el consumo anual de electricidad en condiciones climáticas más frías
s climáticas	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικέ ς συνθήκες
warunkach matiche più	 para calentar agua, el consumo anual de electricidad en condiciones climáticas más cá
s climáticas	indas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές ισινθήκες
warunkach	
auche piu	inergenca estacional de caletacción en condiciones climaticas mas in renéferences estacional de caletacción en condiciones climaticas mas in
naticas mais n klimatu chł	- KEC I skebkenkul anuooodi LIUS suuxianki eebhavauk Xmbon nuu hmXboisebsč kwihankes anvedi -
limatiche più	eficiencia energética estacional de calefacción en condiciones climática
náticas mais n klimatu ciepł	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθή κες -
ı fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
ais frias ego	
ı calde	eficiencia energética de caldeo de agua en condiciones climáticas má
is quentes lo	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες -
	el nivel de potencia acústica L _{vin} , en exteriores η στάθμη ηχητικής ισχύος L _{vin} εξωτερικού χώρου

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-****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:		no
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	η s	131	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or pri	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = - 7 ° C	COPd	1.87	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	3. 33	-
Degradation co-efficient (**)	Cdh	0.99	_				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	4. 65	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	3.8	kW	Tj = +12 ° C	COPd	6. 20	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.87	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1.55	-
			_				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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_{OFF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	7450	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	lanisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
育藤健-				Manager, Quality Assuarance Department			
M Mar Dr				TURKEY			
			6 I	installation and an annation meaning			

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

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-****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:		no
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	η s	177	%		
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for			
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature Tj			
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = - 7 ° C	COPd	2. 75	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	4. 50	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6.00	-		
Degradation co-efficient (**)	Cdh	0. 98	-						
Tj = +12 ° C	Pdh	4.0	kW	Tj = +12 ° C	COPd	7.00	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	2. 75	-		
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	2.40	-		
			•						
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C		
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than	active mo	de		Supplementary heater					
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW		
Thermostat-off mode	P _{T0}	0. 015	kW						
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h		
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA						
Annual energy consumption	Q _{HE}	5566	kWh						
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	η wh	-	%		
Daily electricity consumption	Qelec	-	kWh						
Annual electricity consumption	AEC	-	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, Turkey		
The identification and signature of the person empowered to bind the supplier; Kenichi SAITO									
The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department					
· Details and precautions on installation, maintena	ance and ass	embly can be	e found in the						
Details and precautions on recycling and/or dis		•							

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-****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:		no
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	η s	109	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	2. 50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 40	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	3.8	kW	Tj = + 7 ° C	COPd	4. 60	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	6.80	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	9. 2	kW	Tj = bivalent temperature	COPd	1. 45	-
Tj = operation limit temperature (***)	Pdh	7. 8	kW	Tj = operation limit temperature (***)	COPd	1. 30	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.40	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°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			
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	4.3	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	10673	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	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, Turkey
The identification and signature of th	ne person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate ∕ mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
	,			TURKEY			
· Details and precautions on installation, maintena	nce and asse	embly can be	found in the	installation and or operation manuals.			
Details and precautions on recycling and/or disp (1) For both summer and summ		of-life can be	found in the	installation and or operation manuals.			

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-****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:		no
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	141	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 00	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 98	-			<u>.</u>	
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	7. 50	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1. 95	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°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			
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	4. 1	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8290	kWh				
For heat pump combination heater:				-			
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details				· ·			
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ie person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	ım-temperatu	re section	Kenichi SAITO Manager, Quality Assuarance Department			
			TURKEY				
· Details and precautions on installation, maintena	nce and asso	embly can be	found in the				
Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.							

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-***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:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Rated heat output (*) Declared capacity for heating for part cemperature 20 °C and outdoor temperat Tj = -7 °C		12. 1 indoor	kW	Seasonal space heating energy efficiency	η s	154	%
emperature 20 °C and outdoor temperat	ure Tj	indoor					
	-			Declared coefficient of performance or prim	nary energy	ratio for	
Tj = - 7 ° C	Ddb			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
	Full	-	kW	Tj = − 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	12. 1	kW	Tj = + 2 ° C	COPd	1.95	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	7.7	kW	Tj = + 7 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	5. 2	kW	Tj = +12 ° C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1.95	-
		<u>.</u>					
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0.015	kW			• •	
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
)ther items		1	I I				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4115	kWh				
for heat pump combination heater:			· · · · ·				
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details			I				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre – N	lanisa, Turkey
he identification and signature of th	ne person	empowered	to bind the				
The signature is signed in the systems alig	mata / madiu	m_tomporatu	ra agation	Kenichi SAITO Manager, Quality Assuarance Department			
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY							
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model (s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-****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:		no
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	221	%	
Declared capacity for heating for par-	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for		
temperature 20 °C and outdoor tempera	ture Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	mperature Tj	i	
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. 10	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	7.7	kW	Tj = + 7 ° C	COPd	5.10	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	7.10	_	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 10	_	
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 10	-	
		L	-					
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active mo	de		Supplementary heater		1		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P _{T0}	0. 015	kW			•		
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	Рск	0.000	kW					
Other items				·				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q _{HE}	2882	kWh					
For heat pump combination heater:				•				
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	-	kWh					
Contact details				·				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – I	Manisa, Turkey	
The identification and signature of the	ne person	empowered	to bind the					
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department								
· Details and precautions on installation, maintena	Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							
Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.								

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
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	η s	132	%
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	mary 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	1.87	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	3. 33	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	4.65	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	3.8	kW	Tj = +12 ° C	COPd	6.20	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.87	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1.55	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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	de		Supplementary heater			
Off mode	P_{OFF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	7395	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	-	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, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤正一				Kenichi SALLO Manager, Quality Assuarance Department			
				TURKEY			

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

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Symbol	Value	Unit	Item	Symbol	Value	Unit
Prated	12. 1	kW	Seasonal space heating energy efficiency	ηs	178	%
load at	indoor			nary energy	ratio for	
ure T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Pdh	10. 7	kW	Tj = - 7 ° C	COPd	2. 75	-
Cdh	1.00	-				
Pdh	6.5	kW	Tj = + 2 ° C	COPd	4. 50	-
Cdh	0. 99	-				
Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6.00	-
Cdh	0. 98	-			. <u></u>	
Pdh	4.0	kW	Tj = +12 ° C	COPd	7.00	-
Cdh	0.97	-				
Pdh	10. 7	kW	Tj = bivalent temperature	COPd	2. 75	-
Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	2. 40	-
Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Tdes i gnh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
active mo	de		Supplementary heater			
P _{0FF}	0.015	kW	Rated heat output (*)	Psup	1.4	kW
P _{T0}	0. 015	kW				
P_{SB}	0. 015	kW	Type of energy input		Electrical	
Рск	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2640	m³/h
L_{WA}	41 / 58	dBA				
Q_{HE}	5511	kWh				
	-		Water heating energy efficiency	η wh	-	%
Qelec	-	kWh				
AEC	-	kWh				
NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	19 Yunusemre – M	anisa, Turkey
e person	empowered	to bind the				
The signature is signed in the average climate / medium-temperature section. The signature is signed in the average climate / medium-temperature section. TURKEY						
	I load at ure T j Pdh Cdh PorF Ch Cdh PorF Ch Cdh PorF Ch Cdh PorF Ch Cdh PorF Ch Cdh Cdh PorF Ch Cdh Cdh Cdh Cdh Cdh Cdh Cdh	E load at indoor sure T j Pdh 10.7 Cdh 1.00 Pdh 6.5 Cdh 0.99 Pdh 5.2 Cdh 0.98 Pdh 4.0 Cdh 0.97 Pdh 10.7 Pdh 10.7 Pdh 10.7 Pdh 10.7 Tbiv -7 Tdesignh -10 active mode P _{0FF} 0.015 P _{T0} 0.015 P _{T0} 0.015 P _{SB} 0.015 P _{GK} 0.000 Variable L _{WA} 41 / 58 Q _{HE} 5511 Qelec - AEC - NUFACTURING TURKEY JOINT S The person empowered T	Ioad at indoor Pdh 10.7 kW Cdh 1.00 - Pdh 6.5 kW Cdh 0.99 - Pdh 5.2 kW Cdh 0.98 - Pdh 4.0 kW Cdh 0.97 - Pdh 10.7 kW Cdh 0.97 - Pdh 10.7 kW Tbiv -7 ° C Tdesignh -10 ° C active mode - - PorF 0.015 kW P _{3B} 0.015 kW P _{0K} 0.000 kW Variable - - Qelec - kWh AEC - kWh	Prated12.1KWenergy efficiency: load at indoorenergy efficiencyDeclared coefficient of performance or prinure T jpath10.7kWPdh10.7kWTj = -7 ° CCdh0.99-Tj = + 2 ° CCdh0.99-Tj = + 7 ° CPdh5.2kWTj = + 7 ° CCdh0.98-Tj = + 12 ° CCdh0.98-Tj = + 12 ° CCdh0.97-Tj = peration limit temperaturePdh10.7kWTj = operation limit temperatureMdh10.7kWTj = operation limit temperatureTbiv-7° COperation limit temperatureToiv-7° COperation limit temperaturePorr0.015kWSupplementary heaterPorr0.015kWType of energy inputPorr0.000kWType of energy inputPorr0.000kWWhater heating energy efficiencyVariable-Water heating energy efficiencyURACURING TURKEY JOINT STOCK COMPANYManisa OSE 4. Kisim Kecilikoyob Mah. Atmet Nazif ZorNUFACTURING TURKEY JOINT STOCK COMPANYManisa OSE 4. Kisim Kecilikoyob Mah. Atmet Nazif Zorne person empowered to bind the supplier:Kenichi SAITOManager, Quality Assuarance DepartmentManager, Quality Assuarance Department	Prated12.1KWenergyefficiency7/3: load at indoorindoorWaterT jPdh10.7KWCdh1.00Pdh6.5KWCdh0.99Pdh5.2KWCdh0.98Pdh4.0KWKWCdh0.98Pdh4.0KWTj = +7 ° CCdh0.97Pdh10.7KWTj = +12 ° CCdh0.97Pdh10.7KWTj = bivalent temperatureCdh0.97Pdh10.7KWTj = operation limit temperatureCdh0.97Pdh10.7KWTj = operation limit temperatureCdh0.97Pdh10.7KWTj = operation limit temperatureCdive modeSupplementary heaterPure0.015From0.015KWType of energy inputPass0.015KWPase of energy inputPass0.015KWhAECQelecWater heating energy efficiencyType of energy inputQelecWater heating energy efficiencyQelecKWhAEC-KWhAEC-KurhNUFACTURING TURKEY JOINT STOCK COMPA	Prateu12.1313iload at indoorload at indoorload at indoorload at indoor temperature operature opera

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
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	η s	109	%	
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for		
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj		
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	2. 50	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 40	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = + 7 ° C	Pdh	3.8	kW	Tj = + 7 ° C	COPd	4. 60	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	6. 80	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	9. 2	kW	Tj = bivalent temperature	COPd	1. 45	-	
Tj = operation limit temperature (***)	Pdh	7.8	kW	Tj = operation limit temperature (***)	COPd	1. 30	-	
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.40	-	
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°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				
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	4.3	kW	
Thermostat-off mode	P _{T0}	0.015	kW					
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical		
Crankcase heater mode	Рск	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q_{HE}	10640	kWh					
For heat pump combination heater:				-				
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	-	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, Turkey	
The identification and signature of th	ne person	empowered	to bind the					
Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department								
TURKEY								
· Details and precautions on installation, maintena	Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							
Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.								

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model (s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
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	141	%
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 00	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	7. 50	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°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			
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	4.1	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P _{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	8257	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind the				
Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY							
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	found in the	installation and or operation manuals.			

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Prated	12. 1						
	12.1	kW	Seasonal space heating energy efficiency	η s	157	%	
load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
e Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj		
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-	
Cdh	-	-					
Pdh	12. 1	kW	Tj = + 2 ° C	COPd	1. 95	-	
Cdh	1.00	-					
Pdh	7.7	kW	Tj = + 7 ° C	COPd	3. 30	-	
Cdh	0. 99	-					
Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 40	-	
Cdh	0. 98	-					
Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1.95	-	
Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1. 95	-	
Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
ſdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
ctive mo	de		Supplementary heater				
P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
P _{T0}	0. 015	kW			• • •		
P _{SB}	0. 015	kW	Type of energy input		Electrical		
Рск	0.000	kW					
	variable		Rated air flow rate, outdoors	-	2640	m³/h	
L_{WA}	41 / 58	dBA					
Q_{HE}	4049	kWh					
		•	-				
	-		Water heating energy efficiency	η wh	-	%	
Qelec	-	kWh					
AEC	-	kWh					
				u Bulvari No:	19 Yunusemre – M	anisa, Turkey	
person	empowered t	o bind the					
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
	Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Tbiv Tdesignh Ctive moo PoFF PTO PSB PCK LWA QHE Qelec AEC	Pdh - Cdh - Pdh 12.1 Cdh 1.00 Pdh 7.7 Cdh 0.99 Pdh 5.2 Cdh 0.99 Pdh 12.1 Pdh 12.1 Pdh 12.1 Pdh 12.1 Tbiv 2 fdesignh 2 ctive mode 0.015 P _{SB} 0.015 P _{SB} 0.015 P _{SB} 0.000 variable	Pdh - kW Cdh - - Pdh 12.1 kW Cdh 1.00 - Pdh 12.1 kW Cdh 0.99 - Pdh 5.2 kW Cdh 0.99 - Pdh 5.2 kW Cdh 0.98 - Pdh 12.1 kW Pdh 12.1 kW Tbiv 2 ° C rdesignh 2 ° C ctive mode * ° C PoFF 0.015 kW PsB 0.015 kW PsB 0.015 kW PcK 0.000 kW - - Qelec - kWh AEC - kWh AEC - kWh AEC - kWh Caturing turkey joint stock company person empowered to bind the	Pdh-KWTj = -7 ° CCdhPdh12.1KWTj = + 2 ° CCdh1.00Pdh7.7KWTj = + 7 ° CCdh0.99Pdh5.2KWTj = +12 ° CCdh0.98Pdh12.1KWTj = operation limit temperatureTbiv2° COperation limit temperatureHeating water operating limit-Supplementary heaterPorr0.015KWType of energy inputPor0.015KWType of energy inputPox0.000kW-Attable-Water heating energy efficiencyAttableWater heating energy efficiencyAttableWater heating energy efficiencyWater heating energy efficiencyWater heating energy efficiency <td c<="" td=""><td>Pdh-kWTj = -7 ° CCOPdCdhPdh12.1kWTj = + 2 ° CCOPdCdh1.00Pdh7.7kWTj = + 7 ° CCOPdCdh0.99Pdh5.2kWTj = + 12 ° CCOPdCdh0.98Pdh12.1kWTj = bivalent temperatureCOPdPdh12.1kWTj = operation limit temperature (***)COPdTbiv2 ° COperation limit temperatureTOLrdesignh2 ° COperation limit temperatureTOLCtive modeSupplementary heaterWTOLPor0.015kWType of energy input-Pox0.000kWRated air flow rate, outdoorskWhMater heating energy efficiencyγwhQelec-kWhManise 0SE 4.Kisin Kecilikoyob Nah. Ahmet Nazif Zorlu Bulvari No:person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEY</td><td>Pdh-kWTj = -7 ° C$OOPd$-Pdh12.1kWTj = +2 ° C$OOPd$1.95Cdh1.00Tj = +7 ° C$OOPd$3.30Cdh0.99Tj = +7 ° C$OOPd$3.30Cdh0.99Tj = +12 ° C$OOPd$1.95Pdh5.2kWTj = +12 ° C$OOPd$1.95Cdh0.98Tj = bivalent temperature$OOPd$1.95Pdh12.1kWTj = operation limit temperature$OOPd$1.95Tbiv2° COperation limit temperature$OOPd$1.95Tbiv2° CHeating water operating limitWTOL60two modeSupplementary heaterPor0.09-Por0.015kWType of energy inputElectricalPas0.015kWType of energy inputElectricalVariable-Rated air flow rate, outdoors-2640Celec-kWhMariae 088 4.Kisim Kocilikoyab Mah. Atmet Nazif Zorlu Bulvari No:19 Yunuseme - Mperson empowered to bind the supplier: Kendit SAITOKanager, Quality Assuarance Department TURKEYTURKEY</td></td>	<td>Pdh-kWTj = -7 ° CCOPdCdhPdh12.1kWTj = + 2 ° CCOPdCdh1.00Pdh7.7kWTj = + 7 ° CCOPdCdh0.99Pdh5.2kWTj = + 12 ° CCOPdCdh0.98Pdh12.1kWTj = bivalent temperatureCOPdPdh12.1kWTj = operation limit temperature (***)COPdTbiv2 ° COperation limit temperatureTOLrdesignh2 ° COperation limit temperatureTOLCtive modeSupplementary heaterWTOLPor0.015kWType of energy input-Pox0.000kWRated air flow rate, outdoorskWhMater heating energy efficiencyγwhQelec-kWhManise 0SE 4.Kisin Kecilikoyob Nah. Ahmet Nazif Zorlu Bulvari No:person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEY</td> <td>Pdh-kWTj = -7 ° C$OOPd$-Pdh12.1kWTj = +2 ° C$OOPd$1.95Cdh1.00Tj = +7 ° C$OOPd$3.30Cdh0.99Tj = +7 ° C$OOPd$3.30Cdh0.99Tj = +12 ° C$OOPd$1.95Pdh5.2kWTj = +12 ° C$OOPd$1.95Cdh0.98Tj = bivalent temperature$OOPd$1.95Pdh12.1kWTj = operation limit temperature$OOPd$1.95Tbiv2° COperation limit temperature$OOPd$1.95Tbiv2° CHeating water operating limitWTOL60two modeSupplementary heaterPor0.09-Por0.015kWType of energy inputElectricalPas0.015kWType of energy inputElectricalVariable-Rated air flow rate, outdoors-2640Celec-kWhMariae 088 4.Kisim Kocilikoyab Mah. Atmet Nazif Zorlu Bulvari No:19 Yunuseme - Mperson empowered to bind the supplier: Kendit SAITOKanager, Quality Assuarance Department TURKEYTURKEY</td>	Pdh-kWTj = -7 ° CCOPdCdhPdh12.1kWTj = + 2 ° CCOPdCdh1.00Pdh7.7kWTj = + 7 ° CCOPdCdh0.99Pdh5.2kWTj = + 12 ° CCOPdCdh0.98Pdh12.1kWTj = bivalent temperatureCOPdPdh12.1kWTj = operation limit temperature (***)COPdTbiv2 ° COperation limit temperatureTOLrdesignh2 ° COperation limit temperatureTOLCtive modeSupplementary heaterWTOLPor0.015kWType of energy input-Pox0.000kWRated air flow rate, outdoorskWhMater heating energy efficiency γ whQelec-kWhManise 0SE 4.Kisin Kecilikoyob Nah. Ahmet Nazif Zorlu Bulvari No:person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEY	Pdh-kWTj = -7 ° C $OOPd$ -Pdh12.1kWTj = +2 ° C $OOPd$ 1.95Cdh1.00Tj = +7 ° C $OOPd$ 3.30Cdh0.99Tj = +7 ° C $OOPd$ 3.30Cdh0.99Tj = +12 ° C $OOPd$ 1.95Pdh5.2kWTj = +12 ° C $OOPd$ 1.95Cdh0.98Tj = bivalent temperature $OOPd$ 1.95Pdh12.1kWTj = operation limit temperature $OOPd$ 1.95Tbiv2° COperation limit temperature $OOPd$ 1.95Tbiv2° CHeating water operating limitWTOL60two modeSupplementary heaterPor0.09-Por0.015kWType of energy inputElectricalPas0.015kWType of energy inputElectricalVariable-Rated air flow rate, outdoors-2640Celec-kWhMariae 088 4.Kisim Kocilikoyab Mah. Atmet Nazif Zorlu Bulvari No:19 Yunuseme - Mperson empowered to bind the supplier: Kendit SAITOKanager, Quality Assuarance Department TURKEYTURKEY

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-****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:		no
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	η s	227	%
Declared capacity for heating for part	t load at	indoor	•	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ 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. 10	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 7 ° C	Pdh	7.7	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	7. 10	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 10	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 10	-
			-				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P _{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	2816	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	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, Turkey
The identification and signature of the	ne person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
· Details and precautions on installation, maintena	nce and ass	embly can be	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	found in the	installation and or operation manuals.			

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-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:		no
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	η s	131	%	
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or pri	mary energy	ratio for		
temperature 20 °C and outdoor tempera	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	1.87	-	
Degradation co-efficient (**)	Cdh	1.00	- 1					
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	3. 33	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	4. 65	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = +12 ° C	Pdh	3. 8	kW	Tj = +12 ° C	COPd	6. 20	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.87	-	
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1.55	-	
			-					
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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		Supplementary heater				
Off mode	P_{OFF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW	
Thermostat-off mode	P _{T0}	0. 015	kW					
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical		
Crankcase heater mode	Рск	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q_{HE}	7450	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	_	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zon	rlu Bulvari No∶	19 Yunusemre – M	anisa, Turkey	
The identification and signature of the	he person	empowered	to bind th					
百藤建一				Kenichi SAITO Manager, Quality Assuarance Department				
1-1 1-10 DF -				TURKEY				
. Detaile and pressutions on installation maintane				installation and or operation manuals				

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

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-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:		no
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	η s	177	%
Declared capacity for heating for part	t load at	indoor	•	Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature T <u>.</u>	i
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = - 7 ° C	COPd	2. 75	-
Degradation co-efficient (**)	Cdh	1.00	-				l.
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	4. 50	-
Degradation co-efficient (**)	Cdh	0. 99	-				l.
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0. 98	-			B	
Tj = +12 ° C	Pdh	4. 0	kW	Tj = +12 ° C	COPd	7.00	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	2. 75	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	2.40	-
			-				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P _{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	5566	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – I	Manisa, Turkey
The identification and signature of the	ne person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	ure section.	Manager, Quality Assuarance Department			
· Details and precautions on installation, maintena	ince and ass	embly can be	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	e found in the	installation and or operation manuals.			

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA	
	Indoor unit:	EHSD-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:		no	
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	109	%
Declared capacity for heating for part	t load at	indoor		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 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	2. 50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	3.8	kW	Tj = + 7 ° C	COPd	4. 60	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	6.80	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	9. 2	kW	Tj = bivalent temperature	COPd	1.45	-
Tj = operation limit temperature (***)	Pdh	7.8	kW	Tj = operation limit temperature (***)	COPd	1.30	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	8. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.40	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°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			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	4. 3	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	10673	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	k₩h				
Annual electricity consumption	AEC	_	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		•					

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-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:		no
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	141	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	3. 50	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4.00	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	7. 50	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°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			
Off mode	P_{0FF}	0.015	kW	Rated heat output (*)	Psup	4. 1	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8290	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	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, Turkey
The identification and signature of the	ne person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY			
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		,		· ·			

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA	
	Indoor unit:	EHSD-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:		no	
Parameters for		medium-temperature application.	
Parameters for		warmer climate conditions.	

Symbol	Value	Unit	Item	Symbol	Value	Unit	
Prated	12. 1	kW	Seasonal space heating energy efficiency	ηs	154	%	
: load at	indoor	•	Declared coefficient of performance or primary energy ratio for				
ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature Tj		
Pdh	-	kW	Tj = − 7 ° C	COPd	-	-	
Cdh	-	-					
Pdh	12. 1	kW	Tj = + 2 ° C	COPd	1.95	-	
Cdh	1.00	-					
Pdh	7.7	kW	Tj = + 7 ° C	COPd	3. 30	-	
Cdh	0. 99	-					
Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 40	-	
Cdh	0. 98	-					
Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1.95	-	
Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1.95	-	
Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
Tdes i gnh	2	°C	Heating water operating limit	WTOL	60	°C	
active mo	de	<u> </u>	Supplementary heater		<u> </u>		
P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
P _{T0}	0.015	kW			• • •		
P _{SB}	0.015	kW	Type of energy input		Electrical		
Рск	0.000	kW					
	I	1 1	•				
	variable		Rated air flow rate, outdoors	-	2640	m³/h	
L _{WA}	41 / 58	dBA					
Q_{HE}	4115	kWh					
		• •	-				
	-		Water heating energy efficiency	η wh	-	%	
Qelec	-	k₩h					
AEC	-	kWh					
			•				
NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – Ma	anisa, Turkey	
ne person	empowered	to bind the					
The signature is signed in the average climate / medium-temperature section.							
	Prated Frated Frated Frated Pdh Cdh Cdh Cdh Pdh Cdh Cdh Cdh Cdh Cdh Cdh Cdh C	Prated 12.1 load at indoor cure T j Pdh Cdh Pdh 12.1 Cdh Pdh 12.1 Cdh Pdh 12.1 Cdh Pdh 12.1 Cdh Pdh 5.2 Cdh O.99 Pdh 5.2 Cdh 0.98 Pdh 12.1 Ddh 12.1 Pdh 12.1 Ddh 2 active mode PofF 0.015 PsB 0.015 PcK 0.000 variable Lma 41 / 58 QHE 4115 - Qelec - AEC	Prated12.1kWcload at indoorcure T jPdh-KWCdh-Pdh12.1KWCdh1.00Pdh7.7KWCdh0.99Pdh5.2KWCdh0.98Pdh12.1KWCdh0.98Pdh12.1KWPdh12.1KWPdh2° Cactive modePorF0.015KWPsB0.015KWPGK0.000KWPor0.15KWPor0.15KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015KWPor0.015ForKWhAEC-KWhAEC-KWhPorbind the	Prated12.1kWE load at indoorenergy efficiencysure T j-Pdh-Pdh-Pdh-Pdh-Pdh12.1kWCdhCdh-Pdh12.1kWTj = -7 ° CCdh0.99Pdh5.2KWCdhCdh0.99Pdh12.1kWTj = +12 ° CCdh0.98Pdh12.1kWTj = operation limit temperaturePdh12.1KWTj = operation limit temperaturePdh12.1kWVariableTbiv2CCactive modePorr0.015kWPorr0.015kWPorr0.000kWPorr0.000kWPorr0.000kWVariableLwA41 / 58dBAQelecWater heating energy efficiencyWater heating energy efficiencyQelecWhat Culling Turkey JOINT STOCK COMPANYMuriae OSB 4. Kisim Kecilikoyeab Mah. Amet Nazif Zorne person empowered to bind the supplier:Kenichi SAITOmate / medium-temperature section.	Prated12.1kWSeasonal space heating energy efficiency η sPrated12.1kWDeclared coefficient of performance or primary energy part load at indoor temperature 20 ° C and outdoor temperature $20 ° C$ and 1.00 $-$ Pdh $-$ KW $Tj = -7$ ° C $OOPd$ Cdh 1.00 $ Tj = +7$ ° C $OOPd$ Pdh 7.7 KW $Tj = +7$ ° C $OOPd$ Cdh 0.99 $ Tj = +7$ ° C $OOPd$ Pdh 5.2 KW $Tj = +7$ ° C $OOPd$ Cdh 0.98 $ Tj = 12$ ° C $OOPd$ Pdh 12.1 KW $Tj = operation limit temperatureOOPdTbiv2° COperation limit temperatureOOPdactive modeOoperation limit temperatureOOPdSuplementary heaterPare0.015KWNWNWNWPoor0.015KWNWNWPoor0.015KWNWNWPoor0.015KWNWNWPoor0.015KWNWNWPoor0.000KWNWNWNUFACTURING TURKEY JOINT STOCK COMPANYManisa 0S8 4 Kisim Kecilikoyeob Meh. Amet Nazif Zorlu Bulvari No:NUFACTURING TURKEY JOINT STOCK COMPANYManisa 0S8 4 Kisim Kecilikoyeob Meh. Amet Nazif Zorlu Bulvari No:NUFACTURING TURKEY JOINT STOCK COMPANYManisa 0S8 4 Kisim Kecilikoyeob Meh. Amet Nazif Zorlu Bulvari No:NUFACTURING Turker mereore<$	Prated12.1KWc load at indoorSeasonal space heating energy efficiency π s154c load at indoorDeclared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj part load at indoor temperature 20 °C and outdoor temperature TjPdhKWCdhPdh12.1KWTj = + 2 °CCOPdCdh1.00Pdh7.7KWTj = + 7 °CCOPdCdh0.99Pdh5.2KWTj = +12 °CCOPdCdh0.98Pdh12.1KWTj = operation limit temperatureCOPdTbiv2°COperation limit temperatureCOLToiv2°COperation limit temperatureTOLPdr0.015KWFype of energy inputElectricalPorr0.015KWType of energy inputElectricalPage0.015KWType of energy inputElectricalPage0.015KWFype of energy efficiency τ wh-Quelee-KWhNutration cost Ation cost	

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	EHSD-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:		no
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	221	%
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature 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. 10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	7.7	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	7. 10	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 10	-
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 10	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	2882	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	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, Turkey
The identification and signature of th	ne person	empowered t	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
· Details and precautions on installation, maintena	ince and asse	embly can be	found in the	installation and or operation manuals.			
Details and precautions on recycling and/or dis		of-life can be	found in the	installation and or operation manuals.			

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-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:		no
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	η s	132	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture Tj			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = − 7 ° C	COPd	1.87	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	3. 33	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	4. 65	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	3.8	kW	Tj = +12 ° C	COPd	6. 20	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.87	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1.55	-
			-				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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	de		Supplementary heater				
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{T0}	0. 015	kW			•	
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	7395	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	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, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
1-1 ridie 134				TURKEY			

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

 \cdot Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-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:		no
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	η s	178	%
Declared capacity for heating for part	: load at	indoor	•	Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature T <u></u>	i
Tj = - 7 ° C	Pdh	10. 7	kW	Tj = - 7 ° C	COPd	2. 75	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	6.5	kW	Tj = + 2 ° C	COPd	4. 50	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0. 98	-			B	
Tj = +12 ° C	Pdh	4.0	kW	Tj = +12 ° C	COPd	7.00	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	2. 75	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	2.40	-
			-				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°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	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{T0}	0. 015	kW				
Standby mode	P _{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	5511	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – I	Manisa, Turkey
The identification and signature of the	ie person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	ure section.	Manager, Quality Assuarance Department			
· Details and precautions on installation, maintena	nce and ass	embly can be	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	oosal at end-	of-life can be	e found in the	installation and or operation manuals.			

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-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:		no
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	109	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	2. 50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = +2 ° C	COPd	3. 40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	3.8	kW	Tj = + 7 ° C	COPd	4. 60	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	6.80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	9. 2	kW	Tj = bivalent temperature	COPd	1.45	-
Tj = operation limit temperature (***)	Pdh	7.8	kW	Tj = operation limit temperature (***)	COPd	1.30	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	8. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.40	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	4. 3	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	10640	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre – M	lanisa, Turkey
The identification and signature of th	ie person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
				TURKEY			

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-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:		no
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	141	%	
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for		
temperature 20 $^\circ$ C and outdoor temperature T j				part load at indoor temperature 20 $^\circ$ C and outdoor temperature Tj				
Tj = - 7 ° C	Pdh	7.3	kW	Tj = - 7 ° C	COPd	3. 50	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 2 ° C	Pdh	4. 5	kW	Tj = + 2 ° C	COPd	4. 00	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 ° C	Pdh	3. 9	kW	Tj = + 7 ° C	COPd	5. 20	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	7.50	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	10. 2	kW	Tj = bivalent temperature	COPd	1.95	-	
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.50	-	
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	9. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.00	-	
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°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				
Off mode	P_{0FF}	0.015	kW	Rated heat output (*)	Psup	4. 1	kW	
Thermostat-off mode	P _{T0}	0.015	kW					
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	Рск	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	8257	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	-	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, Turkey	
The identification and signature of the	ne person	empowered	to bind the					
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY				
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		,		· ·				

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA	
	Indoor unit:	ERSD-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:		no	
Parameters for		medium-temperature application.	
Parameters for		warmer climate conditions.	

Prated	10.1							
	12.1	kW	Seasonal space heating energy efficiency	ηs	157	%		
load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for			
temperature 20 $^\circ$ C and outdoor temperature T j				part load at indoor temperature 20 $^\circ$ C and outdoor temperature Tj				
Pdh	-	kW	Tj = − 7 ° C	COPd	-	-		
Cdh	-	-						
Pdh	12. 1	kW	Tj = + 2 ° C	COPd	1. 95	-		
Cdh	1.00	-						
Pdh	7.7	kW	Tj = + 7 ° C	COPd	3. 30	-		
Cdh	0. 99	-						
Pdh	5. 2	kW	Tj = +12 ° C	COPd	5. 40	-		
Cdh	0. 98	-						
Pdh	12. 1	kW	Tj = bivalent temperature	COPd	1. 95	-		
Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	1. 95	-		
Tbiv	2	°C	Operation limit temperature	TOL	-25	°C		
Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C		
active mo	de		Supplementary heater		11			
P _{0FF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
P _{T0}	0.015	kW			• •			
P _{SB}	0. 015	kW	Type of energy input		Electrical			
Рск	0.000	kW						
	variable		Rated air flow rate, outdoors	-	2640	m³/h		
L _{WA}	41 / 58	dBA						
Q_{HE}	4049	kWh						
	-		Water heating energy efficiency	η wh	-	%		
Qelec	-	kWh						
AEC	-	kWh						
				lu Bulvari No:	19 Yunusemre – Ma	nisa, Turkey		
person	empowered t	to bind the						
ate / mediu	m-temperatu	re section.	Kenichi SATTO Manager, Quality Assuarance Department TURKEY					
	Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Tbiv Tdesignh active mo Porr Pto Pto Porr Pto Pto Porr Pto Pto Pto Pto Pto Pto Pto Pto Pto Pto	Pdh - Cdh - Pdh 12.1 Cdh 1.00 Pdh 7.7 Cdh 0.99 Pdh 5.2 Cdh 0.98 Pdh 12.1 Pdh 12.1 Pdh 12.1 Pdh 12.1 Tdesignh 2 active mode POFF PoFF 0.015 PsB 0.015 PGK 0.000 Variable LWA LWA 41 / 58 QHE 4049 - Qelec - AEC - uFACTURING TURKEY JOINT STate person empowered to the state / medium-temperatu	Pdh - KW Cdh - - Pdh 12.1 KW Cdh 1.00 - Pdh 7.7 KW Cdh 0.99 - Pdh 5.2 KW Cdh 0.99 - Pdh 5.2 KW Cdh 0.98 - Pdh 12.1 KW Pdh 12.1 KW Pdh 12.1 KW Tbiv 2 ° C active mode - ° C PorFF 0.015 KW Porg 0.015 KW Psb 0.015 KW Pcx 0.000 kW	Pdh-kWTj = -7 ° COdhPdh12.1kWTj = + 2 ° CCdh1.00Pdh7.7kWTj = + 7 ° CCdh0.99Pdh5.2kWTj = +12 ° CCdh0.98Pdh12.1kWTj = operation limit temperatureTbiv2° COperation limit temperature (***)Tbiv2° COperation limit temperaturerdesignh2 ° C· Cactive modeSupplementary heaterPorr Por 0.015KWRated heat output (*)Pss 0.0000.000kWRated air flow rate, outdoorsvariableUFACTURING TURKEY JOINT STOCK COMPANYMenisa 058 4.Kisim Kecilikoyosh Mah. Ahmet Nazif Zors person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department	Pdh-KWTj = -7 ° CCOPdCdhPdh12.1KWTj = + 2 ° CCOPdCdh1.00-Pdh7.7KWTj = + 7 ° CCOPdCdh0.99-Pdh5.2KWTj = + 12 ° CCOPdCdh0.98Pdh12.1KWTj = bivalent temperatureCOPdTbiv2° COperation limit temperatureCOPdTdesignh2° COperation limit temperatureTOLHeatingwater operating limitWTOLtemperatureSupplementary heaterPorf0.015KWPsupPor0.015kWPor <t< td=""><td>Pdh-KWTj = -7 ° C$OOPd$-Pdh12.1KWTj = + 7 ° C$OOPd$1.95Pdh12.1KWTj = + 7 ° C$OOPd$1.95Pdh7.7KWTj = + 7 ° C$OOPd$3.30Cdh0.99Tj = + 7 ° C$OOPd$1.95Pdh5.2KWTj = + 12 ° C$OOPd$1.95Cdh0.98Tj = bivalent temperature$OOPd$1.95Pdh12.1KWTj = operation limit temperature$OOPd$1.95Tbiv2° COperation limit temperature$TOL$$-25$Hasting water operating limitWTOL60sative modeSupplementary heater$POF$$0.015$KWPage0.015KWType of energy inputElectricalPage0.000KWRated air flow rate, outdoors-2640Lux41 / 58dBAMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - NoUFACTURING TURKEY JOINT STOCK COMPANYMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - NoUFACTURING TURKEY JOINT STOCK COMPANYMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - Noter / medium-temperature section.Manager, Quality Assuarance DepartmentTURKEY</td></t<>	Pdh-KWTj = -7 ° C $OOPd$ -Pdh12.1KWTj = + 7 ° C $OOPd$ 1.95Pdh12.1KWTj = + 7 ° C $OOPd$ 1.95Pdh7.7KWTj = + 7 ° C $OOPd$ 3.30Cdh0.99Tj = + 7 ° C $OOPd$ 1.95Pdh5.2KWTj = + 12 ° C $OOPd$ 1.95Cdh0.98Tj = bivalent temperature $OOPd$ 1.95Pdh12.1KWTj = operation limit temperature $OOPd$ 1.95Tbiv2° COperation limit temperature TOL -25 Hasting water operating limitWTOL60sative modeSupplementary heater POF 0.015 KWPage0.015KWType of energy inputElectricalPage0.000KWRated air flow rate, outdoors-2640Lux41 / 58dBAMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - NoUFACTURING TURKEY JOINT STOCK COMPANYMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - NoUFACTURING TURKEY JOINT STOCK COMPANYMarisa 088 4.Kisin Keolikoyab Mah. Amet Nazif Zarlu Bulvari No:19 Yunuseme - Noter / medium-temperature section.Manager, Quality Assuarance DepartmentTURKEY		

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

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:	PUZ-SWM120VAA
	Indoor unit:	ERSD-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:		no
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	227	%	
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for		
temperature 20 $^\circ$ C and outdoor temperature T j				part load at indoor temperature 20 $^\circ$ C and outdoor temperature 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. 10	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	7.7	kW	Tj = + 7 ° C	COPd	5. 10	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = +12 ° C	Pdh	4.4	kW	Tj = +12 ° C	COPd	7. 10	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = bivalent temperature	Pdh	12. 1	kW	Tj = bivalent temperature	COPd	3. 10	-	
Tj = operation limit temperature (***)	Pdh	12. 1	kW	Tj = operation limit temperature (***)	COPd	3. 10	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active mo	de		Supplementary heater				
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P _{T0}	0. 015	kW					
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{CK}	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q_{HE}	2816	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	_	kWh					
Annual electricity consumption	AEC	-	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, Turkey	
The identification and signature of the	ne person	empowered t	to bind the	e supplier; Kenichi SAITO				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department				
	,			TURKEY				
· Details and precautions on installation, maintena	ance and ass	embly can be	found in the	installation and or operation manuals.				
Details and precautions on installation, maintena Details and precautions on recycling and/or dis (1) Fact best summer and best s	posal at end-	•						

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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