

DG79V341H01

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 A	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 MIDOWAY	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 MINOUTING	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 tions	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 w 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 arage (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 hual 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 % %	20 % U	sy nun	ගි dB	٩	å °	elle k	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	√ √		++++ A+	6		1417 184 1417 188	123 41				4168 137			139 231		149 54
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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
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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
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Geschenzigsborden erergierficiente voor uninterververming onder koudere Sisongsmedelverkningsgreid for rumsupprämming under kalare klimatichallanden ensisteringsgreiden verzingsgreiden verzingereiden verzingsgreiden verzingsgreiden verzingerzing	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 seconeragebonden energie efficiente vor rumevemaming onder varmere Ge seconeragebonden 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 vervemung on der kudee klimatorihalenden Valar heating energy efficiency under valares klimatorihalenden A efficienza energetica di nergeticki účinnost vylapeni za teplejšich klimatických podminek Cervenare elerprive elerverver nergetica di nergeticki účinnost vylapeni za teplejšich klimatických podminek Perprive varmere klimatorihad energetica di nergeticki účinnost vylapeni za teplejšich klimatických podminek Perprive varmere klimatorihad Perprive Valar heating energy efficiency under varmere klimatorihalenden Energiefficiente vor valarverververming under varmere klimatorihalenden Perprive Perprive Perprive Perprive Valar heating energy efficie	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder	smedelverkningsgrad för rumsuppvärmni	ved rumopvarmnir
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	Fenañol
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	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
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	la clase de eficiencia energética del caldeo de agua η τάξη εντεργειακής απόδοσης θέρμανσης νερού
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	funcionar solamente durante las horas de baja demanda λεπουργία μόνο εκτός των ωρών αιχμής
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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-SWM60VAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	126	%
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 °C and	outdoor ter	mperature Tj	
Tj = − 7 ° C	Pdh	5.3	kW	Tj = - 7 ° C	COPd	2. 27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 19	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4. 1	kW	Tj = + 7 ° C	COPd	3. 99	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2. 7	kW	Tj = +12 ° C	COPd	5. 58	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	1. 98	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	1. 98	-
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q_{HE}	3834	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 000	kWh				
Annual electricity consumption	AEC	880	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - Ma	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th				
百藤建一				Kenichi SAITO Manager, Quality Assuarance Department			
M MULL DE -				TURKEY			
· Dataile and proceutions on installation maintance			farmed in the	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-SWM60VAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Rated heat output (+)Praced6.0KillSeesonal space heating n_S 151%Declared capacity for heating for part load at indoorindoor n_S	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity for heating for part load at indoortamparture 20 ° C and outdoor temperature T j $T j = -7$ ° C $T j = -7$ ° C $T j = -7$ ° CDegradation co-efficient (**)OdhOdhDegradation co-efficient (**)OdhOdhOgeration limit temperaturePolicT j = +2 ° CCOdhOdhOgeration limit temperaturePolicT j = +2 ° CCOdh <td>Rated heat output (*)</td> <td>Prated</td> <td>6.0</td> <td>kW</td> <td></td> <td>ηs</td> <td>181</td> <td>%</td>	Rated heat output (*)	Prated	6.0	kW		ηs	181	%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Declared capacity for heating for par	t load at	indoor			nary energy	ratio for	
Degradation co-efficient (**)Odh0.99-Tj = + 2 ° CPdh4.8KWDegradation co-efficient (**)Odh0.99-Tj = + 7 ° CPdh4.9KWDegradation co-efficient (**)Odh0.98-Tj = + 7 ° CPdh4.9KWDegradation co-efficient (**)Odh0.98-Tj = +12 ° CPdh3.0KWTj = +7 ° COPPdDegradation co-efficient (**)Odh0.97-Tj = bivalent temperaturePdh6.0KWTj = operation limit temperatureOPPdTj = operation limit temperaturePdh6.0KWTj = operation limit temperatureOPPdBivalent temperatureTdvi-10° CPderation limit temperatureOPPd2.74Bivalent temperatureTdvi-10° CPderation limit temperatureTOL-25° CPower consumption in modes other than active modeVWKWPage design onditions for spaceOff modePro0.015KWPage of energy inputElectricalOther itemsCanaoity controlVariable-2220m²/hSound power level, indoors/outdoorsLas41/54dBAAnnual energy consumptionQueic4.00KWAnnual energy consumptionQueic4.00KWAnnual energy consumptionAcc880KWAnnual electricity consumptionAcc880KW <td>temperature 20 $^\circ$ C and outdoor temperat</td> <td>ture T j</td> <td></td> <td></td> <td>part load at indoor temperature 20 $^\circ$ C and</td> <td>outdoor ter</td> <td>nperature Tj</td> <td></td>	temperature 20 $^\circ$ C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature Tj	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Tj = - 7 ° C	Pdh	5.4	kW	Tj = - 7 ° C	COPd	3. 38	-
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Degradation co-efficient (**)	Cdh	0.99	-				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Tj = + 2 ° C	Pdh	4. 8	kW	Tj = + 2 ° C	COPd	4. 75	-
Degradation co-efficient (**) Odd 0.98 - Tj = +12 ° C Pdh 3.0 Kill Degradation co-efficient (**) Odd 0.97 - Tj = bivalent temperature Pdh 6.0 Kill Tj = operation limit temperature Pdh 6.0 Kill Tj = operation limit temperature Pdh 6.0 Kill Tj = operation limit temperature Pdh 6.0 Kill Bivalent temperature Pdh 6.0 Kill Bivalent temperature Tbiv -10 ° C Reference design conditions for space Tdesignh -10 ° C Operation limit temperature TOL -25 ° C Power consumption in modes other than active mode Supplementary heater NTOL 60 ° C Off mode Par 0.015 Kill Type of energy input Electrical Electrical Other items Capacity control Variable Rated air flow rate, outdoors - 2220 m²/h. Sund power level, indora/outdoors Lax 41/54 dBA Nth <t< td=""><td>Degradation co-efficient (**)</td><td>Cdh</td><td>0.99</td><td>-</td><td></td><td></td><td></td><td></td></t<>	Degradation co-efficient (**)	Cdh	0.99	-				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Tj = + 7 ° C	Pdh	4. 9	kW	Tj = + 7 ° C	COPd	5. 61	-
Degradation co-efficient (**) Odh 0.97 - Tj = bivalent temperature Pdh 6.0 KW Tj = operation limit temperature (***) Pdh 6.0 KW Bivalent temperature (***) Pdh -10 * C Reference design conditions for space Toi / Tdesign -10 * C Power consumption in modes other than active mode Supplementary heater WIOL 6.0 * C Off mode Par 0.015 KW Rated heat output (*) Psup 0.0 KW Standby mode Pas 0.015 KW Type of energy input Electrical # A1 / 54 dBA Concircl items - 2701 KW Water heating energy efficiency 7 wh 134 % Daily electricity	Degradation co-efficient (**)	Cdh	0. 98	-			<u></u>	
Tj = bivalent temperature Pdh 6.0 kW Tj = operation limit temperature Pdh 6.0 kW Tj = operation limit temperature (***) Pdh 6.0 kW Bivalent temperature (***) Pdisignh -10 * C Reference design conditions for space Tdesignh -10 * C Power consumption in modes other than active mode Deeration limit temperature TUL -25 * C Off mode Parp 0.015 kW Rated numberature Peup 0.0 kW Thermostat-off mode Parp 0.015 kW Type of energy input Electrical Capacity control variable Samoda and power level, indoors/outdoors Lm 41 / 54 dBA Annual energy consumption Que 2/01 kWh W Poup 0.0 m²/h Contact details MTSUBISH ELECTRIC AIR CMONTIONING SYSTERS MANUFACTIBING TURKEY JOINT STO	Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 19	-
Tj = operation limit temperature (+++) Pdh 6.0 KW Bivalent temperature Tbiv -10 * C Reference design conditions for space Tdesignh -10 * C Power consumption in modes other than active mode Operation limit temperature ToL -25 * C Off mode Power 0.015 KW No Rated water operating limit WTOL 60 * C Supplementary heater Off mode Power 0.015 KW Rated heat output (*) Psup 0.0 KW The signature is signed in the average climate / mode Power 0.015 KW Type of energy input Electrical Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2220 m²/h Sound power level, indoors/outdoors Lm, 41 / 54 dBA Annual energy consumption - 2220 m²/h Declared load profile L KWh Water heating energy efficiency 7 wh 134 % MISUBISH ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TUKEY JOINT STOCK COMPANY Maniaa 058 4 Kisim Keelilkoyee Mab. Ameet Nazif Zorlu	Degradation co-efficient (**)	Cdh	0.97	-			<u> </u>	
Bivalent temperature heating Tbiv -10 ° C Bivalent temperature heating Tdesignh -10 ° C Power consumption in modes other than active mode 0 0 0 ° C Operation limit temperature heating 0 0.015 kW WTOL 60 ° C Power consumption in modes other than active mode 0.015 kW Supplementary heater Rated heat output (*) Psup 0.0 kW Thermostat-off mode Por 0.015 kW Type of energy input Electrical Electrical Orankcase heater mode Pox 0.000 kW Type of energy input Electrical 0	Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	2. 74	-
Reference design conditions for space Tdesignh -10 * C Perfecting Heating water operating limit WTOL 60 * C Power consumption in modes other than active mode Supplementary heater Supplementary heater Supplementary heater Off mode Power 0.015 kW Rated heat output (*) Psup 0.0 kW Thermostat-off mode Power 0.015 kW Type of energy input Electrical Electrical Canacity control variable 0.000 kW Type of energy input Electrical m³/h Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA Annual energy consumption Quee 220 m³/h For heat pump combination heater: Declared load profile L Water heating energy efficiency nwh 134 % Daily electricity consumption Qelec 4.000 kWh KWh Mariae 088 4.Kisim Kecilikoyab Mah. Amet Mazif Zerlu Bulvari No:19 Yunuseme - Manisa, Turkey MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 088 4.Kisim Kecilikoyab Mah. Amet Mazif Zerlu Bulvari No:19 Yunuseme - Manisa, Turkey	Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	2. 74	-
Reference design conditions for space Tdesignh -10 * C Perfecting Heating water operating limit WTOL 60 * C Power consumption in modes other than active mode Supplementary heater Supplementary heater Supplementary heater Off mode Power 0.015 kW Rated heat output (*) Psup 0.0 kW Thermostat-off mode Power 0.015 kW Type of energy input Electrical Electrical Canacity control variable 0.000 kW Type of energy input Electrical m³/h Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA Annual energy consumption Quee 220 m³/h For heat pump combination heater: Declared load profile L Water heating energy efficiency nwh 134 % Daily electricity consumption Qelec 4.000 kWh KWh Mariae 088 4.Kisim Kecilikoyab Mah. Amet Mazif Zerlu Bulvari No:19 Yunuseme - Manisa, Turkey MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 088 4.Kisim Kecilikoyab Mah. Amet Mazif Zerlu Bulvari No:19 Yunuseme - Manisa, Turkey				•				
heating Idesign -10 C Power consumption in modes other than active mode Supplementary heater Off mode Power Other Itemperature Crankcase heater mode Pow Outor KW Other items Capacity control variable Sound power level, indoors/outdoors Law Annual energy consumption One KWh Variable Declared load profile L Declared load profile L MITSUBISHI ELEGTIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4. Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the av	Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
Off mode Porf 0.015 kW Thermostat-off mode P10 0.015 kW Standby mode P38 0.015 kW Standby mode P38 0.015 kW Crankcase heater mode P0K 0.000 kW Other items 0.000 kW Type of energy input Electrical Capacity control variable Rated air flow rate, outdoors - 2220 m³/h Sound power level, indoors/outdoors LmA 41 / 54 dBA Annual energy consumption Que 2701 kWh For heat pump combination heater: Declared load profile L Water heating energy efficiency 7 wh 134 % MisuBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 688 4 Kisim Kecilikoyab Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY		Tdes i gnh	-10	°C		WTOL	60	°C
Thermostat-off mode Pro 0.015 kW Standby mode PsB 0.015 kW Type of energy input Electrical Crankcase heater mode PoK 0.000 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2220 m³/h Sound power level, indoors/outdoors L _{WA} 41 / 54 dBA Annual energy consumption Q _{HE} 2701 kWh For heat pump combination heater: Declared load profile L Water heating energy efficiency nwh 134 % Daily electricity consumption Qelec 4.000 kWh KWh Manisa OSB 4.Kisim Kecilikoyosb Mah. Amet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Amet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: kenichi SAITO Manager, Quality Assuarance Department TurkEY TURKEY TURKEY Manager, Quality Assuarance Department	Power consumption in modes other than	active mo	de		Supplementary heater			
Standby mode P _{S8} 0.015 kW Type of energy input Electrical Crankcase heater mode P _{OK} 0.000 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2220 m³/h Sound power level, indoors/outdoors L _{WA} 41 / 54 dBA Annual energy consumption Q _{KE} 2701 kWh Rated air flow rate, outdoors - 2220 m³/h For heat pump combination heater: Declared load profile L Water heating energy efficiency η wh 134 % Daily electricity consumption Qelec 4.000 kWh KWh Manual electricity consumption AEC 880 kWh MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY TURKEY	Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Crankcase heater mode P _{CX} 0.000 kW Other items Capacity control variable Rated air flow rate, outdoors - 2220 m³/h Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA Annual energy consumption Q _{HE} 2701 kWh - 2220 m³/h For heat pump combination heater: Declared load profile L Water heating energy efficiency 7 wh 134 % Daily electricity consumption Qelec 4.000 kWh Marisa OSB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY	Thermostat-off mode	P _{T0}	0.015	kW				
Other items Capacity control variable Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA Annual energy consumption Q _{HE} 2701 kWh For heat pump combination heater:	Standby mode	P_{SB}	0. 015	kW	Type of energy input		Electrical	
Capacity control variable Rated air flow rate, outdoors - 2220 m³/h Sound power level, indoors/outdoors L _{NA} 41 / 54 dBA Annual energy consumption - 2220 m³/h Annual energy consumption Q _{HE} 2701 kWh - - 2220 m³/h For heat pump combination heater:	Crankcase heater mode	Рск	0.000	kW				
Capacity control Variable Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA Annual energy consumption Q _{HE} 2701 kWh For heat pump combination heater: Declared load profile L Water heating energy efficiency 7 wh 134 % Daily electricity consumption Qelec 4.000 kWh Annual electricity consumption AEC 880 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0S8 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	Other items							
Annual energy consumption Q _{HE} 2701 kWh For heat pump combination heater:	Capacity control		variable	-	Rated air flow rate, outdoors	-	2220	m³/h
For heat pump combination heater: Declared load profile L Water heating energy efficiency η wh 134 % Daily electricity consumption Qelec 4.000 kWh Minual electricity consumption AEC 880 kWh Minual electricity consumption AEC 880 kWh Minual electricity consumption AEC 880 kWh Minual electricity consumption AEC Number of the person empowered to bind the supplicition and signature of the person empowered to bind the supplier: Kenichi SAITO Kenichi SAITO Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Declared load profile L Water heating energy efficiency nwh 134 % Daily electricity consumption Qelec 4.000 kWh KWh Muster heating energy efficiency nwh 134 % Annual electricity consumption AEC 880 kWh Muster heating energy efficiency nwh 134 % Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier; Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	Annual energy consumption	Q_{HE}	2701	kWh				
Daily electricity consumption Qelec 4.000 kWh Annual electricity consumption AEC 880 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	For heat pump combination heater:							
Annual electricity consumption AEC 880 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	Declared load profile		L	-	Water heating energy efficiency	η wh	134	%
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY TURKEY	Daily electricity consumption	Qelec	4. 000	kWh				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY	Annual electricity consumption	AEC	880	kWh				
The identification and signature of the person empowered to bind the supplier: Kenichi SAITO The signature is signed in the average climate / medium-temperature section. TURKEY	Contact details			·				
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY						lu Bulvari No:	19 Yunusemre – N	Manisa, Turkey
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY	The identification and signature of the second s	he person	empowered	to bind the				
TURKEY	The signature is signed in the average cli	mate / mediu	um-temperatu	re section.				
· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.		,			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 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-SWM6OVAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	111	%
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 ten	nperature Tj	
Tj = − 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	2. 44	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	3.6	kW	Tj = + 2 ° C	COPd	3. 35	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 78	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	4. 9	kW	Tj = bivalent temperature	COPd	1. 70	-
Tj = operation limit temperature (***)	Pdh	3. 9	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 70	-
Bivalent temperature	Tbiv	-15	°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	2. 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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	5181	kWh				
For heat pump combination heater:				·			
Declared load profile		L		Water heating energy efficiency	η wh	105	%
Daily electricity consumption	Qelec	4. 820	kWh				
Annual electricity consumption	AEC	1060	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			
The signature is signed in the average cli	mate / mediu	ım-temperatu	re section	Manager, Quality Assuarance Department			
		comporatu		TURKEY			
· Details and precautions on installation, maintena	ince and asse	embly can be	found in the	installation and or operation manuals.			
\cdot 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-SWM60VAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	135	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	3. 15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	3.8	kW	Tj = + 2 ° C	COPd	4. 05	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	7. 56	-
Degradation co-efficient (**)	Cdh	0.96	_				
Tj = bivalent temperature	Pdh	5. 1	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	3. 1	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 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	2.9	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4284	k₩h				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	105	%
Daily electricity consumption	Qelec	4. 820	kWh				
Annual electricity consumption	AEC	1060	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey							anisa, Turkey
The identification and signature of th	ne person	empowered 1	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, maintena	nce and ass	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-SWM60VAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Rated heat output (*)Prated6.0KWSeasonal space heating orgetficiency $n s$ 150Declared capacity for heating for part load at indoortindoorDeclared coefficient of performance or primary energy ratio for temperature 20 ° C and outdoor temperature T j $n s$ 150T j = -7 ° CPdhKWT j = -7 ° CODPd-Degradation co-efficient (*+)OdhT j = + 2 ° CPdh6.0KWT j = +7 ° CODPd1.95Degradation co-efficient (*+)Odh1.00T j = + 7 ° CPdh4.0KWT j = +7 ° CODPd3.10Degradation co-efficient (*+)Odh0.99T j = +2 ° CPdh4.0KWT j = +12 ° CODPd1.95Degradation co-efficient (**)Odh0.99T j = operation limit temperaturePdh6.0KWT j = operation limit temperatureODPd1.95T j = operation limit temperaturePdh6.0KWT j = operation limit temperatureODPd1.95T j = operation limit temperaturePdh6.0KWT j = operation limit temperatureTOL-25Bivelent temperaturePair0.015KWRated aur output (*)Paup0.0T j = operation limit temperaturePair0.015KWType of energy inputElectricalOff mode<	Unit					
temperature 20 ° C and outdoor temperature T jTj = -7 ° CPdh-Degradation co-officient (*+)Odh-Tj = + 2 ° CPdh-Degradation co-officient (*+)Odh1.00KWDegradation co-officient (*+)Odh1.00FTj = + 7 ° CPdh4.0Begradation co-officient (*+)Odh0.99Tj = +12 ° CPdh4.0Begradation co-officient (*+)Odh0.98Tj = bivalent temperaturePdhBivalent temperaturePdhBivalent temperatureTdeighh2 ° CCPower consumption in modes other than active modeOff modePowerOff modePowerPower level, indoors/outdoorsLmAnnual energy consumptionQuelecSeand power level, indoors/outdoorsLmAnnual energy consumptionQuelecAnnual electricity consumptionQuelecAnnual electricity consumptionQuelecAnnual electricity consumptionQuelec3.850KWAnnual electricity consumptionQuelec3.850KW	%					
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Degradation co-efficient (**)Cdh0.99- $Ij = +12 ° C$ Pdh4.0KWDegradation co-efficient (**)Cdh0.98- $Tj = bivalent temperaturePdh6.0KWTj = operation limit temperature (***)Pdh6.0Bivalent temperatureTbiv2° CReference design conditions for spaceTdesignh2° CPower consumption in modes other than active modeOperation limit temperature (***)CODdOff modePorr0.015KWThermostat-off modePorr0.015KWCharles nodePox0.000kWOther itemsCapacity controlvariableSound power level, indoors/outdoorsLaw41 / 54Annual energy consumptionQ_{\rm FE}2093For heat pump combination heater:Declared load profileLDeclared load profileLLDaily electricity consumptionQ_{\rm FE}3.850Annual electricity consumptionQ_{\rm FE}3.850KWhKWhKWh$						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	-					
Degradation co-efficient (**) Cdh 0.98 - Tj = bivalent temperature Pdh 6.0 kW Tj = bivalent temperature COPd 1.95 Tj = operation limit temperature (***) Pdh 6.0 kW Tj = operation limit temperature (***) COPd 1.95 Bivalent temperature memerature (***) Pdh 6.0 kW Tj = operation limit temperature (***) COPd 1.95 Bivalent temperature memerature (***) Tbiv 2 ° C Operation limit temperature (***) COPd 1.95 Power consumption in modes other than active mode Operator limit temperature WTOL 60 Off mode Porr 0.015 kW Rated neat output (*) Psup 0.0 Thermostat-off mode Porr 0.015 kW Type of energy input Electrical Crankcase heater mode Porr 0.000 kW Type of energy input Electrical Gapacity control variable Supplementary flow rate, outdoors - 220 Sound power level, indoors/outdoors LmA 41 / 54 dBA MMh - 220						
Tj = bivalent temperaturePdh6.0KWTj = bivalent temperatureCOPd1.95Tj = operation limit temperaturePdh6.0KWTj = operation limit temperatureCOPd1.95Bivalent temperatureTbiv2° COperation limit temperatureTOL-25Reference design conditions for spaceTdesignh2° COperation limit temperatureTOL-25Power consumption in modes other than active mode0.015KWRated heat output (*)Psup0.0Off modePorF0.015KWRated heat output (*)Psup0.0Thermostat-off modePock0.000kWType of energy inputElectricalCrankcase heater modePock0.000kWPupe of energy inputElectricalCapacity controlvariable2093kWhPute heat air flow rate, outdoors-Sound power level, indoors/outdoors L_{MA} 41 / 54dBAdBAAnnual energy consumption Q_{elec} 3.850kWhWater heating energy efficiency η wh135Daily electricity consumptionQelec3.850kWhWhFor heating energy efficiency η wh135	-					
Tj = operation limit temperature (****)Pdh 6.0 kWTj = operation limit temperature (****)COPd 1.95 Bivalent temperature heatingTbiv Tdesignh2° COperation limit temperature Heating water operating limit temperatureTOL -25 Power consumption in modes other than active mode \circ CHeating water operating limit temperature $WTOL$ 60 Dyplementary heater $WTOL$ 60 Supplementary heater 0.015 kW kW Rated heat output (*)Psup 0.0 Thermostat-off mode trankcase heater mode P_{0K} 0.000 kW WW WW $Electrical$ Other items $Capacity control$ Sound power level, indoors/outdoors Annual energy consumption Daily electricity consumption Q_{HE} 2093 kWh $Rated air flow rate, outdoorsP_{0K}2220Declared load profileDaily electricity consumptionQelec3.850846kWhWater heating energy efficiency\eta wh135$						
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Reference design conditions for space heatingTdesignh2° CHeating water operating limit temperatureWTOL60Power consumption in modes other than active modeSupplementary heaterSupplementary heater60Off modePoff0.015kWRated heat output (*)Psup0.0Thermostat-off modePoff0.015kWRated heat output (*)Psup0.0Standby modePse0.015kWType of energy inputElectricalCrankcase heater modePox0.000kWType of energy inputElectricalOther itemsCapacity controlvariablePate-2220Sound power level, indoors/outdoorsLmA41 / 54dBAAnnual energy consumption-2220For heat pump combination heater:Declared load profileLWater heating energy efficiency η wh135Daily electricity consumptionQelec3.850kWhKWhKWhKWh-	-					
Reference design conditions for space heatingTdesignh2° CHeating water operating limit temperatureWTOL60Power consumption in modes other than active modeSupplementary heaterSupplementary heater60Off modePoFF0.015kWRated heat output (*)Psup0.0Thermostat-off modePoF0.015kWRated heat output (*)Psup0.0Standby modePsB0.015kWType of energy inputElectricalCrankcase heater modePoK0.000kWType of energy inputElectricalOther itemsvariable-2220Sound power level, indoors/outdoorsL_WA41 / 54dBAAnnual energy consumption-Por heat pump combination heater:LWater heating energy efficiency η wh135Daily electricity consumptionQelec3.850kWhWater heating energy efficiency η wh135						
heatingCIdesignZCtemperatureCWIUL00Power consumption in modes other than active modeOff modePorF0.015KWSuplementary heaterSuplementary heaterOff modePorF0.015KWRated heat output (*)Psup0.0Thermostat-off modePorF0.015KWType of energy inputElectricalCrankcase heater modePox0.000kWType of energy inputElectricalOther itemsCapacity controlvariableRated air flow rate, outdoors-2220Sound power level, indoors/outdoorsLmA41 / 54dBAAnnual energy consumption-2220For heat pump combination heater:Declared load profileLWater heating energy efficiency η wh135Daily electricity consumptionQelec3.850KWhKWhKWhKWh-	°C					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	°C					
$\begin{array}{c c c c c c c } \hline Thermostat-off mode & P_{T0} & 0.015 & kW \\ \hline Standby mode & P_{SB} & 0.015 & kW \\ \hline Standby mode & P_{CK} & 0.000 & kW \\ \hline Type of energy input & Electrical \\ \hline Crankcase heater mode & P_{CK} & 0.000 & kW \\ \hline Other items & & & & & & & & \\ \hline Capacity control & variable & Rated air flow rate, outdoors & - 2220 \\ \hline Sound power level, indoors/outdoors & L_{WA} & 41 / 54 & dBA \\ \hline Annual energy consumption & Q_{HE} & 2093 & kWh \\ \hline For heat pump combination heater: & & & & & & \\ \hline Declared load profile & L & Water heating energy efficiency & \eta wh & 135 \\ \hline Daily electricity consumption & QElec & 3.850 & kWh \\ \hline Annual electricity consumption & AEC & 846 & kWh \\ \hline \end{array}$						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	kW					
$\begin{array}{c c c c c c c c c }\hline Crankcase heater mode & P_{CK} & 0.000 & kW \\ \hline \\ $						
Other items Variable Rated air flow rate, outdoors 2220 Sound power level, indoors/outdoors L _{MA} 41 / 54 dBA 2093 kWh 2000 Annual energy consumption Q _{HE} 2093 kWh 2000 1000 1000 For heat pump combination heater: Declared load profile L Water heating energy efficiency 135 Daily electricity consumption Qelec 3.850 kWh KWh 135						
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Annual electricity consumption AEC 846 kWh	%					
Contact details						
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey						
The identification and signature of the person empowered to bind the supplier:						
Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department						
· 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-SWM60VAA
	Indoor unit:	EHST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

rated ad at Tj	6.0 indoor	kW	Seasonal space heating energy efficiency	η s	208	%
	indoor					
Тj			Declared coefficient of performance or prim	nary energy	ratio for	
1	temperature 20 °C and outdoor temperature T j				nperature Tj	
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Cdh	-	-				
Pdh	6. 0	kW	Tj = + 2 ° C	COPd	3. 65	-
Cdh	0. 99	-				
Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 80	-
Cdh	0. 98	-				
Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.00	-
Cdh	0. 98	-				
Pdh	6. 0	kW	Tj = bivalent temperature	COPd	3. 65	-
Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	3. 65	-
[biv	2	°C	Operation limit temperature	TOL	-25	°C
esignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode					1	
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	-	2220	m³/h
L _{WA}	41 / 54	dBA				
Q _{HE}	1519	kWh				
	L		Water heating energy efficiency	η wh	135	%
elec	3.850	kWh				
AEC	846	kWh				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey						anisa, Turkey
erson	empowered t	o bind the				
/ mediu	m-temperatu	re section.	Manager, Quality Assuarance Department			
	Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Pdh Porr Pro Porr Pss Por Pss Por Pss Por Pss Por C Rss Por C Rss Por C C C C C C C C C C C C C C C C C C C	Pdh 6.0 Cdh 0.99 Pdh 4.4 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 0.015 PoFF 0.015 PogF 0.015 PogF 0.000 variable L LmA 41 / 54 QHE 1519 L elec 3.850 AEC AEC 846 TURING TURKEY JOINT SI erson empowered t / medium-temperatu and assembly can be	Pdh 6.0 kW Cdh 0.99 - Pdh 4.4 kW Cdh 0.98 - Pdh 4.7 kW Cdh 0.98 - Pdh 4.7 kW Cdh 0.98 - Pdh 6.0 kW Pdh 0.015 kW PoFF 0.015 kW PoK 0.000 kW PoK 0.000 kW L L L Lelec 3.850 kWh AEC 846 kWh TURING TURKEY JOINT STOCK COMPANY erson empowered to bind the / medium-temperature section.	Pdh $\widehat{6.0}$ kW $Tj = + 2 ° C$ Cdh 0.99 $ Tj = + 7 ° C$ Pdh 4.4 kW $Tj = + 7 ° C$ Cdh 0.98 $ Tj = +12 ° C$ Pdh 4.7 kW $Tj = +12 ° C$ Cdh 0.98 $ Tj = bivalent temperaturePdh6.0kWTj = operation limit temperaturePdh6.0kWTj = operation limit temperature (***)Pdh6.0kWTj = operation limit temperatureSignh2 ° C° COperation limit temperatureVermodeSupplementary heaterSupplementary heaterPorF0.015kWType of energy inputPorg0.000kWType of energy inputVariableRated air flow rate, outdoorsLUWater heating energy efficiencyelec3.850kWhAEC846kWhTURING TURKEY JOINT STOCK COMPANYManisa OSB 4. Kisim Kecilikoyosh Mah. Ahmet Nazif Zorrerson empowered to bind the supplier:Kenichi SAITOKenichi SAITO$	Pdh6.0KWTj = + 2 ° CCOPdCdh0.99Tj = + 7 ° CCOPdPdh4.4KWTj = + 7 ° CCOPdCdh0.98Pdh4.7KWTj = +12 ° CCOPdCdh0.98Pdh6.0KWTj = bivalent temperatureCOPdPdh6.0KWTj = operation limit temperature (***)COPdbiv2° COperation limit temperatureTOLHeating water operating limitWTOLSupplementary heaterWTOLPor0.015KWType of energy input-Por0.000kWType of energy input-VariableRated air flow rate, outdoors-LUWater heating energy efficiency η whelec3.850KWhKWhTURING TURKEY JOINT STOCK COMPANYMenise 058 4.Kisim Kecilikoyesh Meh. Amet Nazif Zorlu Bulvari No:er son empowered to bind the supplier:Kenchi SAITO/ medium-temperature section.Manager, Quality Assuarance DepartmentTURKEYand assembly can be found in the installation and or operation manuals.	Padh6.0KWTj = + 2 ° CCOPd3.65Cdh0.99Padh4.4KWTj = + 7 ° CCOPd4.80Cdh0.98Padh4.7KWTj = +12 ° CCOPd7.00Cdh0.98Padh6.0KWTj = bivalent temperatureCOPd3.65Padh6.0KWTj = operation limit temperatureCOPd3.65Tj = operation limit temperatureTOL-25Heating water operating limitWTOL60Supplementary heaterRated heat output (*)Psup0.0Por0.015KWType of energy inputElectricalVariableRated air flow rate, outdoors-2220LWater heating energy efficiency η wh135URING TURKEY JOINT STOCK COMPANYManisa 658 4.Kisim Kecilikoyob Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunuseme - MURING TURKEY JOINT STOCK COMPANYManisa 658 4.Kisim Kecilikoyob Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunuseme - Merson empowered to bind the supplier: Kenichi SAITO / medium-temperature section.Manisa 658 4.Kisim Kecilikoyob Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunuseme - Muassembly can be found in the installation and or operation manuals.URING SUBALEY

· 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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	126	%
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 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	5.3	kW	Tj = - 7 ° C	COPd	2. 27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 19	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 1	kW	Tj = + 7 ° C	COPd	3. 99	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	2. 7	kW	Tj = +12 ° C	COPd	5. 58	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	1. 98	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	1. 98	-
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q_{HE}	3834	kWh				
For heat pump combination heater:				-			
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - Ma	anisa, Turkey
The identification and signature of the person empowered to bind the supplier:							
百藤建一				Kenichi SAITO Manager, Quality Assuarance Department			
M HUE DE -				TURKEY			
I UNINE 1							

· 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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	181	%
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 ten	nperature Tj	
Tj = - 7 ° C	Pdh	5.4	kW	Tj = - 7 ° C	COPd	3. 38	-
Degradation co-efficient (**)	Cdh	0.99	_			I	
Tj = + 2 ° C	Pdh	4.8	kW	Tj = + 2 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0.99	_			I	
Tj = + 7 ° C	Pdh	4.9	kW	Tj = + 7 ° C	COPd	5.61	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6.19	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	2. 74	-
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	2. 74	-
			•				
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	2701	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details							
	MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey						
The identification and signature of the	he 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							
-	mate / mediu	um-temperatu embly can be	re section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY 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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	111	%
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 ten	nperature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	2. 44	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	3.6	kW	Tj = + 2 ° C	COPd	3. 35	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 78	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	4. 9	kW	Tj = bivalent temperature	COPd	1. 70	-
Tj = operation limit temperature (***)	Pdh	3. 9	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 70	-
Bivalent temperature	Tbiv	-15	°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	2. 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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	5181	kWh				
For heat pump combination heater:				·			
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey						lanisa, Turkey	
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Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
TURKEY							
· Details and precautions on installation, maintena	ince and asso	embly 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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	135	%
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 tem	perature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	3. 15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	3.8	kW	Tj = + 2 ° C	COPd	4. 05	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7.56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	5. 1	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	3. 1	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 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	2. 9	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4284	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	k₩h				
Annual electricity consumption	AEC	1044	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	ım-temperatu	re section	Manager, Quality Assuarance Department			
		comporatu		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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

ed at j n	6.0 indoor -	kW	Seasonal space heating energy efficiency Declared coefficient of performance or prim part load at indoor temperature 20 °C and		150 ratio for	%
j N					ratio for	
1	-		part load at indoor temperature 20 °C and			
-	-			outdoor ten	nperature Tj	
ı		kW	Tj = - 7 ° C	COPd	-	-
	-	-				
ı	6. 0	kW	Tj = + 2 ° C	COPd	1. 95	-
ı	1.00	-				
ı	4. 0	kW	Tj = + 7 ° C	COPd	3. 10	-
ı	0.99	-				
ı	4.0	kW	Tj = +12 ° C	COPd	5.80	-
ı	0.98	-				
ı	6.0	kW	Tj = bivalent temperature	COPd	1.95	-
ı	6.0	kW	Tj = operation limit temperature (***)	COPd	1.95	-
_						
v	2	°C	Operation limit temperature	TOL	-25	°C
gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode						
	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
	0. 015	kW				
	0. 015	kW	Type of energy input		Electrical	
	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2220	m³/h
	41 / 54	dBA				
	2093	kWh				
	L		Water heating energy efficiency	η wh	139	%
ec	3.820	kWh				
)	841	kWh				
				u Bulvari No∷	19 Yunusemre – Ma	anisa, Turkey
son e	empowered t	to bind the				
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department						
	FF 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ih 4.0 Ih 0.99 Ih 4.0 Ih 0.98 Ih 6.0 Ih 6.0 Ih 6.0 Ih 6.0 Ih 6.0 Iv 2 ignh 2 re mode FF 0.015 0.015 0.015 isb 0.000 variable 41 / 54 ie 2093 ie 2.03 isson empowered imedium-temperatu it isson it isson it isson it </td <td>Ih 4.0 KW Ih 0.99 - Ih 4.0 KW Ih 0.99 - Ih 6.0 KW iv 2 ° C ignh 2 ° C re mode - FF 0.015 KW is 0.020 KWh is 2093 KWh is 2093 KWh is 841 KWh is 841 kWh is ec 3.820 kWh is is is is is son</td> <td>h4.0kWTj = +7 ° Ch4.0kWTj = +7 ° Ch4.0kWTj = +12 ° Ch6.0kWTj = bivalent temperatureh6.0kWTj = operation limit temperature (***)iv2° COperation limit temperatureignh2° COperation limit temperatureremodeSupplementary heaterre0.015kWss0.015kWss0.015kWss0.000kWRated heat output (*)$x$$0.000$kWType of energy input$x$$2093kWhx$$2093kWhC$$841kWhC$$841$kWhKenichi SAITOKenichi SAITO</td> <td>h4.0kWTj = +7 ° CCOPdh4.0kW-Tj = +12 ° CCOPdh4.0kWTj = +12 ° CCOPdh6.0kWTj = bivalent temperatureCOPdh6.0kWTj = operation limit temperatureCOPdh6.0kWTj = operation limit temperature (****)COPdiv2° COperation limit temperatureTOLignh2° COperation limit temperatureTOLremodeSuplementary heaterSuplementary heaterre0.015kWType of energy inputImage: Constraint of the supplementary inputvariableRated air flow rate, outdoors-variableKWhWater heating energy efficiencyη whc3.820kWhManisa 0SB 4.Kisim Kecilikoyosh Mah. Atmet Nazif Zorlu Bulvari No:rson empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEYd assembly can be found in the installation and or operation manuals.</td> <td>h4.0kWTj = +7 ° CCOPd3.10h4.0kWTj = +7 ° CCOPd5.80h4.0kWTj = +12 ° CCOPd5.80h6.0kWTj = bivalent temperatureCOPd1.95h6.0kWTj = operation limit temperature (++++)COPd1.95iv2° COperation limit temperatureTOL-25ignh2° COperation limit temperatureTOL-25Heating water operating limitWTOL6060remodeSupplementary heaterRated heat output (+)Psup0.000.015kWType of energy inputElectricalvariableRated air flow rate, outdoors-2220a41 / 54dBAManisa 0SB 4.Kisim Kecilikoyosb Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Manager, Quality Assuarance Departmentc3.820kWhKenichi SAITOmedium-temperature section.Manager, Quality Assuarance DepartmentTURKEYd assembly can be found in the installation and or operation manuals.E</td>	Ih 4.0 KW Ih 0.99 - Ih 4.0 KW Ih 0.99 - Ih 6.0 KW iv 2 ° C ignh 2 ° C re mode - FF 0.015 KW is 0.020 KWh is 2093 KWh is 2093 KWh is 841 KWh is 841 kWh is ec 3.820 kWh is is is is is son	h 4.0 kWTj = +7 ° Ch 4.0 kWTj = +7 ° Ch 4.0 kWTj = +12 ° Ch 6.0 kWTj = bivalent temperatureh 6.0 kWTj = operation limit temperature (***)iv 2 ° COperation limit temperatureignh 2 ° COperation limit temperatureremodeSupplementary heaterre 0.015 kWss 0.015 kWss 0.015 kWss 0.000 kWRated heat output (*) x 0.000 kWType of energy input x 2093 kWh x 2093 kWh C 841 kWh C 841 kWhKenichi SAITOKenichi SAITO	h4.0kWTj = +7 ° CCOPdh4.0kW-Tj = +12 ° CCOPdh4.0kWTj = +12 ° CCOPdh6.0kWTj = bivalent temperatureCOPdh6.0kWTj = operation limit temperatureCOPdh6.0kWTj = operation limit temperature (****)COPdiv2° COperation limit temperatureTOLignh2° COperation limit temperatureTOLremodeSuplementary heaterSuplementary heaterre0.015kWType of energy inputImage: Constraint of the supplementary inputvariableRated air flow rate, outdoors-variableKWhWater heating energy efficiency η whc3.820kWhManisa 0SB 4.Kisim Kecilikoyosh Mah. Atmet Nazif Zorlu Bulvari No:rson empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEYd assembly can be found in the installation and or operation manuals.	h4.0kWTj = +7 ° CCOPd3.10h4.0kWTj = +7 ° CCOPd5.80h4.0kWTj = +12 ° CCOPd5.80h6.0kWTj = bivalent temperatureCOPd1.95h6.0kWTj = operation limit temperature (++++)COPd1.95iv2° COperation limit temperatureTOL-25ignh2° COperation limit temperatureTOL-25Heating water operating limitWTOL6060remodeSupplementary heaterRated heat output (+)Psup0.000.015kWType of energy inputElectricalvariableRated air flow rate, outdoors-2220a41 / 54dBAManisa 0SB 4.Kisim Kecilikoyosb Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Manager, Quality Assuarance Departmentc3.820kWhKenichi SAITOmedium-temperature section.Manager, Quality Assuarance DepartmentTURKEYd assembly can be found in the installation and or operation manuals.E

· 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-SWM60VAA
	Indoor unit:	EHST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

ated ad at T j Pdh	6.0 indoor	kW	Seasonal space heating energy efficiency	ηs	208	%
Тj	indoor		Declared coefficient of norfermance or prin			
-			Declared coefficient of performance or prim	nary energy	ratio for	
dh			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
	-	kW	Tj = - 7 ° C	COPd	-	-
dh	-	-				
dh	6.0	kW	Tj = + 2 ° C	COPd	3.65	-
dh	0. 99	-				
dh	4.4	kW	Tj = + 7 ° C	COPd	4. 80	-
dh	0. 98	-				
dh	4. 7	kW	Tj = +12 ° C	COPd	7.00	-
dh	0. 98	-				
dh	6. 0	kW	Tj = bivalent temperature	COPd	3. 65	-
dh	6. 0	kW	Tj = operation limit temperature (***)	COPd	3. 65	-
					LI	
biv	2	°C	Operation limit temperature	TOL	-25	°C
signh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode						
OFF	0.015	kW	Rated heat output (*)	Psup	0.0	kW
D _{TO}	0. 015	kW				
SB	0. 015	kW	Type of energy input		Electrical	
СК	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2220	m³/h
-WA	41 / 54	dBA				
р _{не}	1519	kWh				
		•				
	L		Water heating energy efficiency	η wh	139	%
elec	3. 820	kWh				
EC	841	kWh				
URING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	19 Yunusemre – Ma	anisa, Turkey
erson	empowered t	o bind the				
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY						
	PorF Pro PsB PcK -wa QHE Plec NEC IURING T Prson / mediu	Cdh 0.99 Pdh 4.4 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 6.0 Pdh 0.015 Pro 0.015 Pro 0.015 PcK 0.000 Variable L LmA 41 / 54 QHE 1519 L 2.820 LEC 8.41 ruring TURKEY JOINT ST erson empowered t / medium-temperatu md assembly can be	Cdh 0.99 $-$ Pdh 4.4 kWCdh 0.98 $-$ Pdh 4.7 kWCdh 0.98 $-$ Pdh 6.0 kWPdh 0.015 kWPro 0.015 kWPsB 0.015 kWPck 0.000 kWLLLec 3.820 kWhLEC 841 kWhturing TURKEY JOINT STOCK COMPANYerson empowered to bind the/ medium-temperature section	Adh 0.99 $-$ Adh 4.4 KWAdh 0.98 $-$ Adh 4.7 KWAdh 6.0 KWAdh 2 $^{\circ}$ CSignh 2 $^{\circ}$ CSupplementary heaterBated heat output (*)Por 0.015 KWPos 0.000 KWPos 0.000 KWAdh $41/54$ dBAAdh 1519 KWhLWater heating energy efficiencyLWater heating energy efficiencyLWater heating energy efficiencyVariableKWhLWater heating energy efficiencyURING TURKEY JOINT STOCK COMPANYManisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorerson empowered to bind the supplier: Kenichi SAITO	Side 0.99 - Yeah 4.4 KW Side 0.98 - Yeah 4.7 KW Side 0.98 - Side 6.0 KW Sige C Operation limit temperature COPd Sigenh 2 ° C Operation limit temperature TOL Heating water operating limit WTOL Supplementary heater Supplementary heater Psup Pro 0.015 KW Type of energy input	Sch 0.99 $-$ Sch 0.99 $-$ Sch 0.98 $-$ Sch 0.015 KWSch 0.015 KWSch 0.015 KWSch 0.015 KWSch 0.000 KWSch

· 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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	126	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ture Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	5.3	kW	Tj = - 7 ° C	COPd	2. 27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 19	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 1	kW	Tj = + 7 ° C	COPd	3. 99	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	2.7	kW	Tj = +12 ° C	COPd	5. 58	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.98	-
			-				
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	3834	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	kWh				
Annual electricity consumption	AEC	898	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – Ma	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤健一				Manager, Quality Assuarance Department			
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· 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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	181	%	
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	5.4	kW	Tj = - 7 ° C	COPd	3. 38	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 2 ° C	Pdh	4.8	kW	Tj = + 2 ° C	COPd	4. 75	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 ° C	Pdh	4. 9	kW	Tj = + 7 ° C	COPd	5.61	-	
Degradation co-efficient (**)	Cdh	0. 98	-			<u> </u>		
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 19	-	
Degradation co-efficient (**)	Cdh	0. 97	-					
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	2.74	-	
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	2. 74	-	
			-					
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA					
Annual energy consumption	Q _{HE}	2701	kWh					
For heat pump combination heater:								
Declared load profile		L		Water heating energy efficiency	η wh	134	%	
Daily electricity consumption	Qelec	4. 080	kWh					
Annual electricity consumption	AEC	898	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	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				
	TURKEY							
· 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	Details and precautions on recycling and/or disposal 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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	111	%			
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for				
temperature 20 $^\circ$ C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj				
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	2. 44	-			
Degradation co-efficient (**)	Cdh	0. 99	-							
Tj = + 2 ° C	Pdh	3.6	kW	Tj = + 2 ° C	COPd	3. 35	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	4. 3	kW	Tj = + 7 ° C	COPd	4. 85	-			
Degradation co-efficient (**)	Cdh	0. 98	-							
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 78	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	4. 9	kW	Tj = bivalent temperature	COPd	1. 70	-			
Tj = operation limit temperature (***)	Pdh	3. 9	kW	Tj = operation limit temperature (***)	COPd	1.40	-			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 70	-			
Bivalent temperature	Tbiv	-15	°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	2. 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	-	2220	m³/h			
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA							
Annual energy consumption	Q_{HE}	5181	kWh							
For heat pump combination heater:				·						
Declared load profile		L		Water heating energy efficiency	η wh	109	%			
Daily electricity consumption	Qelec	4. 750	kWh							
Annual electricity consumption	AEC	1044	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	9 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	ım-temperatu	re section	Manager, Quality Assuarance Department						
	mate / modifi	comporatu		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 dis	posal at end-	of-life can be	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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	135	%
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 tem	perature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	3. 15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	3.8	kW	Tj = + 2 ° C	COPd	4. 05	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7.56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	5. 1	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	3. 1	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 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	2. 9	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4284	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	k₩h				
Annual electricity consumption	AEC	1044	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 climate / medium-temperature section. Manager, Quality Assuarance Department							
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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	150	%
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 ter	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	6.0	kW	Tj = + 2 ° C	COPd	1.95	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	4.0	kW	Tj = +12 ° C	COPd	5.80	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.95	-
			1				
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	I	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			I	
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items		1	II	•			
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA			I	
Annual energy consumption	Q _{HE}	2093	kWh				
For heat pump combination heater:		I	ι <u>ι</u>	•			
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	k₩h			I	
Annual electricity consumption	AEC	841	kWh				
Contact details			II	•			
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 cli	male / medit	un-temperatu		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-SWM60VAA
	Indoor unit:	EHST20D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	208	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	perature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	6.0	kW	Tj = + 2 ° C	COPd	3.65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.00	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	3. 65	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	3. 65	-
			1			I	
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			ļļ	
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{cK}	0.000	kW				
Other items		I					
Capacity control		variable		Rated air flow rate, outdoors	_	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA			<u> </u>	
Annual energy consumption	Q _{HE}	1519	kWh				
For heat pump combination heater:			II	ł			
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	kWh				
Annual electricity consumption	AEC	841	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u 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 cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			
Details and precautions on installation, maintena	nce and acc	embly can be	found in the i				

· 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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6. 0	kW	Seasonal space heating energy efficiency	η s	128	%
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	5.3	kW	Tj = - 7 ° C	COPd	2. 27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 19	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4. 1	kW	Tj = + 7 ° C	COPd	3. 99	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2. 7	kW	Tj = +12 ° C	COPd	5. 58	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	1. 98	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	1. 98	-
			-				
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q_{HE}	3779	k₩h				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4.000	k₩h				
Annual electricity consumption	AEC	880	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey							
the state of the s	The identification and signature of the person empowered to bind the supplier:						
百藤建一				Manager, Quality Assuarance Department			
				TURKEY			
Details and pressutions on installation maintance				installation and or approxim 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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	k₩	Seasonal space heating energy efficiency	η s	184	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	5.4	kW	Tj = - 7 ° C	COPd	3. 38	-
Degradation co-efficient (**)	Cdh	0.99	_				
Tj = + 2 ° C	Pdh	4.8	kW	Tj = + 2 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0.99	_				
Tj = + 7 ° C	Pdh	4.9	kW	Tj = + 7 ° C	COPd	5. 61	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 19	-
Degradation co-efficient (**)	Cdh	0.97	_				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	2. 74	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	2. 74	-
			4				
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	2646	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 000	kWh				
Annual electricity consumption	AEC	880	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – N	lanisa, Turkey
The identification and signature of the	ne 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							
Details and precautions on installation, maintena Details and precautions on recvcling and/or dis				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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	112	%
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 Tj	
Tj = − 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	2.44	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	3.6	kW	Tj = + 2 ° C	COPd	3. 35	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 78	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	4. 9	kW	Tj = bivalent temperature	COPd	1. 70	-
Tj = operation limit temperature (***)	Pdh	3. 9	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 70	-
Bivalent temperature	Tbiv	-15	°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	2. 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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	$Q_{\rm HE}$	5147	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	105	%
Daily electricity consumption	Qelec	4. 820	kWh				
Annual electricity consumption	AEC	1060	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
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· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							
Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.							

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

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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	136	%
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 tem	nperature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	3. 15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	3.8	kW	Tj = + 2 ° C	COPd	4. 05	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	7. 56	-
Degradation co-efficient (**)	Cdh	0.96	_				
Tj = bivalent temperature	Pdh	5. 1	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	3. 1	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 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	2. 9	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	_	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4251	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	105	%
Daily electricity consumption	Qelec	4. 820	kWh				
Annual electricity consumption	AEC	1060	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, maintenance and assembly can be found in the installation and or operation manuals.							
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	155	%
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	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	6.0	kW	Tj = + 2 ° C	COPd	1.95	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	4.0	kW	Tj = +12 ° C	COPd	5.80	-
Degradation co-efficient (**)	Cdh	0.98	_			L]	
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.95	-
			1				
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	L	Supplementary heater			
Off mode	P _{0FF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0.015	kW			<u>I</u> I	
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{ck}	0.000	kW				
Other items			1 1				
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA			I	
Annual energy consumption	Q _{HE}	2027	kWh				
For heat pump combination heater:			IĮ_	1			
Declared load profile		L		Water heating energy efficiency	η wh	135	%
Daily electricity consumption	Qelec	3.850	kWh				
Annual electricity consumption	AEC	846	kWh				
Contact details			1 1				
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				
<u>-</u>	. ,			Kenichi SAITO			
ine signature is signed in the average cli	The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department						
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-SWM60VAA
	Indoor unit:	ERST17D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

rated bad at T j	6.0 indoor	kW	Seasonal space heating energy efficiency	η s	218	%
	indoor					
Тj			Declared coefficient of performance or prim	nary energy	ratio for	
			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj	
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Cdh	-	-				
Pdh	6.0	kW	Tj = + 2 ° C	COPd	3. 65	-
Cdh	0. 99	-				
Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.80	-
Cdh	0. 98	-				
Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.00	-
Cdh	0. 98	-				
Pdh	6. 0	kW	Tj = bivalent temperature	COPd	3. 65	-
Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	3.65	-
Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
es i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
tive mo	de		Supplementary heater			
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	
P _{CK}	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2220	m³/h
L_{WA}	41 / 54	dBA				
\mathbf{Q}_{HE}	1453	kWh				
	L		Water heating energy efficiency	η wh	135	%
Delec	3.850	kWh				
AEC	846	kWh				
CTURING TU	JRKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶1	19 Yunusemre – Ma	anisa, Turkey
person	empowered t	o bind the				
/ mediu	m-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			
	Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Tbiv esignh tive moo PoFF PTO PSB PCK PTO PSB PCK CURING TU AEC CURING TU POFF AEC	Pdh 6.0 Cdh 0.99 Pdh 4.4 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 0.015 PoFF 0.015 PsB 0.015 PcK 0.000 variable L L L Delec 3.850 AEC 846 CTURING TURKEY JOINT ST person empowered t t / medium-temperature and assembly can be	Pdh 6.0 kW Cdh 0.99 - Pdh 4.4 kW Cdh 0.98 - Pdh 4.7 kW Cdh 0.98 - Pdh 6.0 kW Pdh 0.015 kW Pro 0.015 kW PcK 0.000 kW Variable	Pdh6.0kW $Tj = + 2 ° C$ Cdh 0.99 -Pdh 4.4 KWCdh 0.98 -Pdh 4.7 kWCdh 0.98 -Pdh 4.7 kWCdh 0.98 -Pdh 6.0 KWPdh 6.0 kWTbiv 2 ° Cesignh 2 ° CCive mode 0 operation limit temperaturePorF 0.015 kWPro 0.015 kWPas 0.015 kWPox 0.000 kWRated air flow rate, outdoorsLVariableL M LWater heating energy efficiencyCURING TURKEY JOINT STOCK COMPANYManisa 0SB 4.Kisim Kecilikoyosh Mah. Ahmet Nazif ZorVariable tempowered to bind the supplier: Kenichi SAITO/ medium-temperature section.Manager, Quality Assuarance Department	Pdh 6.0 kWTj = + 2 ° CCOPdCdh 0.99 -Pdh 4.4 kWCdh 0.98 -Pdh 4.7 kWFig = +7 ° CCOPdCdh 0.98 -Pdh 4.7 kWFig = +12 ° CCOPdCdh 0.98 -Pdh 6.0 kWFig = operation limit temperatureCOPdPdh 6.0 kWPdh 6.0 kWPdh 6.0 kWPdh 2 ° CCertaing water operating limit temperatureTOLHeating water operating limit temperatureWTOLEtive modeSupplementary heaterPorF 0.015 kWPog = 0.015kWPog = 0.015kWhPog = 0.015kWhPog = 0.015kWhPog = 0.015kWhPog = 0.015kWhPog = 0.015kWh <td< td=""><td>Pdh6.0KWTj = + 2 ° CCOPd3.65Cdh0.99Tj = + 7 ° CCOPd4.80Cdh0.98Tj = + 7 ° CCOPd4.80Cdh0.98Pdh4.7KWTj = +12 ° CCOPd3.65-Pdh6.0KWTj = bivalent temperatureCOPd3.65Pdh6.0KWTj = operation limit temperature (***)COPd3.65Tbiv2° COperation limit temperatureTOL-25Heating water operating limitWTOL60temperatureSupplementary heaterRated heat output (*)Psup0.0Por0.015KWType of energy inputElectricalPox0.000kWType of energy input-2220LVariableRated air flow rate, outdoors-2220LWater heating energy efficiency7 wh135Elect3.850kWhManisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser Operation CoperationCURING TURKEY JOINT STOCK COMPANYManisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser OperationCurrent energer ature section.Manisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser OperationCurrent energer ature section.Maniser, Quality Assuarance DepartmentTURKEYand assembly can be found in the installation and or operation man</td></td<>	Pdh6.0KWTj = + 2 ° CCOPd3.65Cdh0.99Tj = + 7 ° CCOPd4.80Cdh0.98Tj = + 7 ° CCOPd4.80Cdh0.98Pdh4.7KWTj = +12 ° CCOPd3.65-Pdh6.0KWTj = bivalent temperatureCOPd3.65Pdh6.0KWTj = operation limit temperature (***)COPd3.65Tbiv2° COperation limit temperatureTOL-25Heating water operating limitWTOL60temperatureSupplementary heaterRated heat output (*)Psup0.0Por0.015KWType of energy inputElectricalPox0.000kWType of energy input-2220LVariableRated air flow rate, outdoors-2220LWater heating energy efficiency 7 wh135Elect3.850kWhManisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser Operation CoperationCURING TURKEY JOINT STOCK COMPANYManisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser OperationCurrent energer ature section.Manisa 088 4.Kisim Kecilikoyob Mah. Amet Nazif Zorlu Bulvari No:19 Yunuseme - Maniser OperationCurrent energer ature section.Maniser, Quality Assuarance DepartmentTURKEYand assembly can be found in the installation and or operation man

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

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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	128	%
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	5.3	kW	Tj = - 7 ° C	COPd	2. 27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 19	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4. 1	kW	Tj = + 7 ° C	COPd	3. 99	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2. 7	kW	Tj = +12 ° C	COPd	5. 58	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 0	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	1.98	-
Bivalent temperature	Tbiv	-10	°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	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q_{HE}	3779	k₩h				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	134	%
Daily electricity consumption	Qelec	4. 080	k₩h				
Annual electricity consumption	AEC	898	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – Ma	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			
M MOLE DE -				TURKEY			
Details and association and installation maintenance and associative and is the installation and as 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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Symbol	Value	Unit	Item	Symbol	Value	Unit
Prated	6.0	kW	Seasonal space heating energy efficiency	η s	184	%
load at	indoor	•		nary energy	ratio for	
ure T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Pdh	5.4	kW	Tj = - 7 ° C	COPd	3. 38	-
Cdh	0.99	-				
Pdh	4.8	kW	Tj = + 2 ° C	COPd	4. 75	-
Cdh	0. 99	-				
Pdh	4.9	kW	Tj = + 7 ° C	COPd	5. 61	-
Cdh	0. 98	-			. <u></u>	
Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 19	-
Cdh	0.97	-				
Pdh	6. 0	kW	Tj = bivalent temperature	COPd	2. 74	-
Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	2. 74	-
		•			<u>.</u>	
Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
active mo	de		Supplementary heater			
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	-	2220	m³/h
L_{WA}	41 / 54	dBA				
\mathbf{Q}_{HE}	2646	kWh				
	L		Water heating energy efficiency	η wh	134	%
Qelec	4. 080	kWh				
AEC	898	kWh				
		·				
				lu Bulvari No∷	19 Yunusemre – M	anisa, Turkey
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	load at ure T j Pdh Cdh Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch	Ioad at indoor Ioad at indoor ure T j Pdh 5.4 Cdh 0.99 Pdh 4.8 Cdh 0.99 Pdh 4.8 Cdh 0.99 Pdh 4.9 Cdh 0.98 Pdh 3.0 Cdh 0.97 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 6.0 Pdh 0.015 PorF 0.015 Pro 0.015 PcK 0.000 variable L QHE Qelec 4.080 AEC 898 NUFACTURING TURKEY JOINT S se person empowered to the provered to the provere	Ioad at indoor ure T j Pdh 5.4 kW Cdh 0.99 - Pdh 4.8 kW Cdh 0.99 - Pdh 4.9 kW Cdh 0.99 - Pdh 4.9 kW Cdh 0.98 - Pdh 3.0 kW Cdh 0.97 - Pdh 6.0 kW Porr 0.015 kW Ps8 0.015 kW PcK 0.000 kW U 2646 kWh Qelec 4.080 kWh AEC 898 kWh	Prated0.0KWenergy efficiencyload at indoorImage: particular definition of performance or print part load at indoor temperature 20 ° C and T j = -7 ° CPdh5.4KWCdh0.99-Pdh4.8KWCdh0.99-Pdh4.9KWCdh0.99-Pdh4.9KWCdh0.99-Pdh3.0KWCdh0.97-Pdh6.0KWPdh6.0KWPdh6.0KWTbiv-10° CTdesignh-10° Cactive modeSupplementary heaterPorr0.015KWPorg0.015KWPox0.000kWVariableRated air flow rate, outdoorsLmA41 / 54dBAQelec4.080kWhAEC898KWhMarisa 058 4.Kisim Kecilikoyosh Mah. Amet Nazif Zore person empowered to bind the supplier:Kenichi SAITOManager, Quality Assuarance Department	Prate0.0KWenergyefficiency1/3load at indoorenergyefficiency1/3Declared coefficient of performance or primary energy part load at indoor temperature 20 ° C and outdoor temPdh 5.4 KWCdh 0.99 -Pdh 4.8 KWCdh 0.99 -Pdh 4.8 KWCdh 0.99 -Pdh 4.9 KWCdh 0.99 -Pdh 3.0 KWCdh 0.97 -Pdh 6.0 KWPdh 6.0 KWPdh 6.0 KWPdh 6.0 KWPdh 6.0 KWTbiv -10 ° CTdesignh -10 ° Cactive modeSupplementary heaterPorf 0.015 KWPas 0.000 KWhAEC 89	Frate0.0KNenergy efficiency7/5104Icad at indoorDeclared coefficient of performance or primary energy ratio forure T jPdh5.4KWCdh0.99-Pdh4.8KWCdh0.99-Pdh4.8KWCdh0.99-Pdh4.9KWCdh0.99-Pdh4.9KWCdh0.99Pdh3.0KWCdh0.97Pdh6.0KWPdh6.0KWPdh6.0KWPdh6.0KWPdh6.0KWPdh6.0KWPdh6.0KWTis = bivalent temperatureCOPdCdsignh-10* CTois in finit-10Tois in finit* CPare in 0.015KWPare in 0.015KWPare in 0.015KWPare in 0.000KWPare in

· 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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	ηs	112	%
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	3.6	kW	Tj = - 7 ° C	COPd	2. 44	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	3.6	kW	Tj = + 2 ° C	COPd	3. 35	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 78	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	4. 9	kW	Tj = bivalent temperature	COPd	1. 70	-
Tj = operation limit temperature (***)	Pdh	3. 9	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 9	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 70	-
Bivalent temperature	Tbiv	-15	°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	2. 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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q_{HE}	5147	kWh				
For heat pump combination heater:				·			
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	kWh				
Annual electricity consumption	AEC	1044	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				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				
Kenichi SAITO							
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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	136	%
Declared capacity for heating for part	: 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 tem	perature Tj	
Tj = - 7 ° C	Pdh	3.6	kW	Tj = - 7 ° C	COPd	3. 15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	3.8	kW	Tj = + 2 ° C	COPd	4. 05	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4.5	kW	Tj = + 7 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7.56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	5. 1	kW	Tj = bivalent temperature	COPd	2. 00	-
Tj = operation limit temperature (***)	Pdh	3. 1	kW	Tj = operation limit temperature (***)	COPd	1. 40	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	4. 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	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	2. 9	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4251	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	109	%
Daily electricity consumption	Qelec	4. 750	k₩h				
Annual electricity consumption	AEC	1044	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	ım-temperatu	re section	Manager, Quality Assuarance Department			
		comportatu		TURKEY			
· Details and precautions on installation, maintena	nce and asse	embly can be	found in the	installation and or operation manuals.			
\cdot 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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η s	155	%
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	_				
Tj = + 2 ° C	Pdh	6.0	kW	Tj = + 2 ° C	COPd	1.95	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	4. 0	kW	Tj = + 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	4. 0	kW	Tj = +12 ° C	COPd	5.80	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	6.0	kW	Tj = bivalent temperature	COPd	1.95	-
Tj = operation limit temperature (***)	Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	1.95	-
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	Рск	0.000	kW				
Other items							
Capacity control		variable	_	Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	2027	kWh				
For heat pump combination heater:							
Declared load profile		L		Water heating energy efficiency	η wh	139	%
Daily electricity consumption	Qelec	3. 820	kWh				
Annual electricity consumption	AEC	841	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
The identification and signature of the second structure of the second	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			
The signature is signed in the average cli	ance and ass	embly can be	e found in the	TURKEY 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-SWM60VAA
	Indoor unit:	ERST20D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Prated	6.0	kW	Seasonal space heating energy efficiency	η s	218	%
load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
re Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj	
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Cdh	-	-				
Pdh	6.0	kW	Tj = + 2 ° C	COPd	3. 65	-
Cdh	0. 99	-				
Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.80	-
Cdh	0. 98	-				
Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.00	-
Cdh	0. 98	-				
Pdh	6. 0	kW	Tj = bivalent temperature	COPd	3. 65	-
Pdh	6. 0	kW	Tj = operation limit temperature (***)	COPd	3.65	-
I						
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			
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	-	2220	m³/h
L _{WA}	41 / 54	dBA				
Q _{HE}	1453	kWh				
	L		Water heating energy efficiency	η wh	139	%
Qelec	3. 820	kWh				
AEC	841	kWh				
FACTURING T	URKEY JOINT ST	FOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶1	19 Yunusemre – Ma	anisa, Turkey
person	empowered t	to bind the				
te / mediu	m-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			
	re T j Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Pdh Tbiv Tdesignh active mo P _{0FF} P _{T0} P ₅₈ P _{CK} Current R _{S8} P _{CK} Qelec AEC	Pdh - Cdh - Pdh 6.0 Cdh 0.99 Pdh 4.4 Cdh 0.98 Pdh 4.7 Cdh 0.98 Pdh 6.0 Pdh 0.015 Proff 0.015 Pss 0.015 PcK 0.000 variable L Qelec AEC 841 JFACTURING TURKEY JOINT ST person empowered 1 tte / medium-temperatu tte / medium-temperatu	re T j Pdh	re T jPdh-Rdh-Pdh6.0KW-Cdh-Pdh6.0KWTj = -7 ° CCdh0.99Pdh4.4KWTj = +7 ° CCdh0.98Pdh4.7KWCdhCdh0.98Pdh6.0KWTj = +12 ° CCdh0.98Pdh6.0KWTj = operation limit temperatureTbiv2CCTdesignh2CCDiv2CCDeration limit temperaturePdf0.015KWSuplementary heaterPorr0.015Rated heat output (*)Pass0.015VariableRated air flow rate, outdoorsLVariableLWater heating energy efficiencyFACTURING TURKEY JOINT STOCK COMPANYManisa 058 4.Kisim Kecilikoyosh Mah. Atmet Nazif Zorperson empowered to bind the supplier: Kenichi SAITOKenchi SAITOManager, Quality Assuarance Department	re T j Pdh $-$ KW Gdh $ -$ Pdh 6.0 KW Gdh 0.99 $-$ Pdh 4.4 KW Cdh 0.99 $-$ Pdh 4.4 KW Gdh 0.98 $-$ Pdh 4.7 KW Gdh 0.98 $-$ Pdh 4.7 KW T j = +7 ° C COPd Gdh 0.98 $-$ Pdh 6.0 KW Pdh 6.0 KW T j = +12 ° C COPd T j = +12 ° C COPd T j = bivalent temperature COPd T j = operation limit temperature (***) COPd T j = operation limit temperature (***) COPd T j = operation limit temperature TOL Heating water operating limit WTOL Extreme TOL Heating water operating limit WTOL Supplementary heater Porr 0.015 KW Pro	re T j Pdh $-$ KW Cdh $ -$ Pdh 6.0 KW Cdh $ -$ Pdh 6.0 KW Cdh 0.99 $-$ Pdh 4.4 kW Cdh 0.98 $-$ Pdh 4.7 KW Cdh 0.98 $-$ Pdh 4.7 KW Pdh 6.0 KW Pdf $2 \circ C$ Coperation limit temperature $10L$ -25 Heating water operating limit WTOL 60 Supplementary heater Pare 0.015 KW Psa 0.000 kW FACURING TURKEY JOINT STOCK COMPANY Kencibi SAITO te / medium-temperature section. Manager, Quality Assuarance Department TURKEY

· 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.