

DG79V342H09

MITSUBISH

Mtsubishi Electric Erp Directive Related Product Information: erp.mitsubishielectric.eu/erp
PRODUCT FICHE Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
This information is based on EU regulation No 811/2013 and No 813/2013.

1.SPACE HEATER							-	emperat	ure appl	-											· · · · · · · · · · · · · · · · · · ·	e applica					
1	2	3	6	8	11	9	13	15	16	21	22	17	18	25	4	6	8	11	9	13	15	16	21	22	17	18	2
Outdoor unit	Indoor unit	Medium-temperature application	Seasonal space heating energy efficiency dass	Rated heat output under average climate conditions	Season al space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{wi} indoor	Rated heat output under colder dimate conditions	Rated heat output under warmer dimate conditions	Season al space heating energy efficiency under colder climate conditions	Season al space heating energy efficiency under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer dimate conditions	Sound power level L _W outdoor	Low-temperature application	Season al space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{wi} indoor	Rated heat output under colder dimate conditions	Rated heat output under warmer dimate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	For space heating, annual energy consumption under colder dimate conditions	For space heating, annual energy consumption under warmer climate conditions	Sound rowar laval 1 Autobox
				kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	dB			kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	d
PUZ-SWM60VAA	EHSD-****D	~	A++	6	126	3834	41	6	6	111	150	5181	2093	54	~	A+++	6	181	2701	41	6	6	135	208	4284	1519	5
	ERSD-****D	~	A++	6	128	3779	41	6	6	112	155	5147	2027	54	~	A+++	6	184	2646	41	6	6	136	218	4251	1453	5
PUZ-SWM80VAA	EHSD-****D	~	A++	8	129	5016	41	8	8	111	162	6890	2584	54	~	A+++	8	181	3599	41	8	8	141	219	5460	1928	5
	ERSD-****D	~	A++	8	130	4961	41	8	8	112	167	6857	2517	54	~	A+++	8	184	3543	41	8	8	142	227	5427	1862	5
PUZ-SWM80YAA	EHSD-****D	~	A++	8	128	5053	41	8	8	111	160	6923	2629	54	~	A+++	8	179	3636	41	8	8	141	214	5493	1973	5
	ERSD-****D	~	A++	8	130	4972	41	8	8	112	166	6875	2532	54	~	A+++	8	183	3555	41	8	8	142	225	5444	1876	5
PUZ-SWM100VAA	EHSD-****D	~	A++	10	132	6106	41	10	10	109	156	8813	3362	58	~	A+++	10	178	4564	41	10	10	147	223	6575	2369	5
de offinition at	ERSD-****D	~	A++	10	134	6051	41	10	10	109	159	8780	3296	58	~	A+++	10	180	4509	41	10	10	147	229	6555	2302	5
PUZ-SWM100YAA	EHSD-****D	~	A++	10	132	6141	41	10	10	109	154	8840	3405	58	~	A+++	10	177	4600	41	10	10	146	219	6601	2411	5
de offinition at	ERSD-****D	~	A++	10	133	6061	41	10	10	109	159	8791	3308	58	~	A+++	10	180	4519	41	10	10	147	228	6565	2314	5
PUZ-SWM120VAA	EHSD-****D	~	A++	12	131	7450	41	12	12	109	154	10673	4115	58	~	A+++	12	177	5566	41	12	12	141	221	8290	2882	Ę
de offiniteotrat	ERSD-****D	~	A++	12	132	7395	41	12	12	109	157	10640	4049	58	~	A+++	12	178	5511	41	12	12	141	227	8257	2816	Ę
PUZ-SWM120YAA	EHSD-****D	~	A++	12	131	7485	41	12	12	109	153	10698	4157	58	~	A+++	12	176	5600	41	12	12	140	218	8316	2922	5
	ERSD-****D	~	A++	12	132	7404	41	12	12	109	156	10649	4060	58	~	A+++	12	178	5520	41	12	12	141	226	8267	2825	5
PUZ-SWM140VAA	EHSD-****D	~	A++	14	134	8438	41	14	14	104	150	12843	4893	58	~	A+++	14	175	6483	41	14	14	132	219	10250	3367	5
OE OTTAINION AT	ERSD-****D	~	A++	14	135	8383	41	14	14	105	152	12810	4826	58	~	A+++	14	177	6428	41	14	14	132	224	10217	3301	5
PUZ-SWM140YAA	EHSD-****D	~	A++	14	134	8473	41	14	14	104	149	12867	4934	58	~	A+++	14	175	6517	41	14	14	131	217	10275	3407	5
	ERSD-****D	~	A++	14	135	8392	41	14	14	105	152	12819	4837	58	~	A+++	14	177	6437	41	14	14	132	223	10226	3310	5
PUZ-SHWM60VAA	EHSD-****D	~	A++	6	129	3761	41	6	6	115	159	4993	1980	54	<	A+++	6	184	2655	41	6	6	138	220	4202	1437	5
OE ON 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-ONWINGVAA	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
-02-3HW M140TAA	ERSD-****D	1	A++	14	142	7974	41	14	14	116	158	11625	4659	58	1	A+++	14	184	6181	41	14	14	154	229	8816	3222	ŧ

2.COMBINATION HEATER	R							For medium-ter	nperature a	pplication														For le	ow-temper	rature applic	ation						
1	2	3 5	6	7	8 9	10	11 12	13 14	15	16 1	7 18	19	20	21 22	23	24	25	4	5	6 7	8	9	10 11	12 13	14	15	16	17 18	3 19	20	21 22	23	24 25
		ation	Alba	lou	under	ou	nate moy	ours	der	mer	suo	su	tions	ate argy	And and	ions tions	ğ	-	-	(Rus		under	on litions ergy nate	itions or	sino	der	le l	suo	ions on the second	tions	ate ergy tate	ucy ons	bor ions
nit	it	applic	ing en	efficie	der intions intions intions	sumpti	ing en age clir efficie	v, indo	der col	der wa	mption	mption	condition	ing en	efficie conditi	efficie	KY Outo	lication		efficie	der lifions	nption	sumpti e cond ing en ige clir	e efficie e cond	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 _u
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 rmer c	s Ispao	ating e	ating e rmer c
		dium.t	ason a ciency	ss	ted he erage (r space nual er	r water nual el	asonal ciency idition iter he	nd bu	ted he nate o	ted he nate o	der col r spaci nual ei der wa	nual er der col	nual er der vra	ciency dition asona ciency	ndition tter he der col	tter he der wa	a pun	w-temp	ched	ciency tier he	ted he	r spac nual er	r water 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 % %	00 % W 00	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	v √		++++ A+	6		1417 184 1417 188	123 41				4168 137			139 231		149 54
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Construction Construction<	de nominale warmteafgifte(onder gemiddelde klimaat	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	elle nytteeffekt(under gennemsnitlige klimafo
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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
Constraint Constra	nimellislämpöteho, kylmissä	chladnějších klimati	номиналната топлинна мощност при по-студени климатични усповия la ruissance therminue nominale dance les conditions climaticues plus chaudes
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Non-vene-venering: het jaarligte eeldricklevebrak onder kondere Instance	For water heating, annual energy consumption under colder climate conditions	Warmwasserbereitung, der jährliche	e l'eau, la consommation annuelle d'électricité, dans les conditions
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Non-waterwarming, nig annyce eventroeleswarming, ang entrochung under ramae eunancen For vanouvparming, ang entrochung under roma Final experimentation vanouvparming, vanouvparming, ang entrochung For othew rody - rochi spitriba elektrick energies z telejisch klinatolych podmink anauvpaeue augu, roppaeve augustro podrevene elektrick energies z telejisch klinatolych podmink anauvpaeue augu, roppaeve augustro podrevene elektrick energies z telejisch klinatolych podmink remazination <	i oi wara i realing, annuar ana gy consumption unior wanner unnas condutons voor waterverwarning het iaarliikes elektriciteiteverhnik onder warmere	annwasserberending, der Jannindre Onornverbra	natiques plus chaudes vandonvarmning det årlige elfo
wdenilimmitykastä wuluinen sähkörikuluta äimpinissä innasto-olsuhteissapro ohiev vody - notni spotfeba elektride energie za teplejäch kimaitikych podminekan narpmaene ne spat, namunoro norpeforeme energiene on podraze nergipita sagavodi energipita sagaSaasonal spoe healing energy efficienry unter oolder climate conditorsdis janezzattedinge Rauminezungs-Energieefficienz zei kalteren KimaverhälnissenInflicante kingetigue sagaEnergipita sagaSaasonal spoe healing energi efficienry unter volter kulueeSaasonal for unrusuppitaminity under kaltere kinnatörhåltandenImatoro kulueeAnflicencia energifica sagaSaasonal spoe healing energi efficienry unter varmer climate conditorsdis janezzattedinge Rauminezungs-Energieefficienz zei kalteren KimaverhåltnissenImatoro kulueeAnflicencia energifica sagaSaasonal spoe healing energi efficienry unter varmer climate conditorsdis janezzattedinge Rauminezungs-Energieefficienz zei kalteren KimaverhåltnissenImatoro kuluesissonnite pour le chauftag des locaux, dan les conditorsAnflicencia energifica sagaSaasonal spoe healing energi efficienry under varmer climate conditorsdis janezzattedinge Rauminezungs-Energieefficienz zei kalteren KimaverhåltnissenImatoro kimatoro ki	voor waterverwarming, net jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	huppvarmning, arlig eltorbrukning under varma	vandopvarmning det arlige elfororug under varmere klimatorhold
Seasonal space hading energy efficiency under coder climate conditions de jahreszeibednege Effizientis voor ruintevervarming onder koudere Bisangsmedie/koude Ferdige effizientis voor ruintevervarming onder koudere Ferdige effizientis voor ruintevervarming onder koudere kov	vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmír	зане на вода, годишното потребление на електроенергия при по-топли клим повия
Geschenzigsborden erergierficiente voor uninterververming onder koudere Sisongsmedelverkningsgreid for rumsupprämming under kalare klimatichallanden 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 enerpieticki 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 klimatoristanden Feficiante energietica sag Gelfenza Alteriona energietica of klimatoristanden Feficiante vororumeve provina ekimatoristanden Gelfenza Alteriona energietica of klimatoristanden Gelfenza Alteriona energietica of klimatoristanden Alteriona energietica of klimatoristanden Gelfenza Gelfenza Alteriona energietica of klimatoristanden Gelfenza Gel	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder	smedelverkningsgrad för rumsuppvärmni	ved rumopvarmnir
Seasonal space heating energy efficiency under warmer climate conditions de jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhälnissen Feficacité energietue saisonnière pour le chauffage des locaux, dans les conditions Fefficacité an energieta saig de seizoensgebonden energie-efficientle voor ruimteverwarming onder warmere Säsongsmedelverkningsgrad för rumsupprämming under varmare klimatförhållanden Fefficacité energietues saig Calde Calde<	kiiritadorristarituigriederi tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olost	nost vytápění za chladnějších klimatických	енергийна ефективност при отопление при по-студени климатични условия
escoresignedclimatiques plus chardesclimatiques plus chardes	mer climate	jahreszelthedinate Raumheizrungs-Energieeffizienz hei wärmeren Klimaverhältniss	ue saisonnière nour le chauffane des locaux dans les conditions
de selzcensgebonden energie-efficientie voor ruimteverwarming onder warmere Sasongsmedelverkningsgrad für rumsupprämming under varmare klimatförhållanden årsvirkningsgraden ved rumspvarming under varmere klimatforhold A eficieria energie aficientie tillamatomstandigheden sezonni energietick úcinnost vytapéni za teplejšich klimatických podminek cesonwar experivance genome genom genome genome<	Seasonal space heating energy efficiency under warmer climate conditions	jahreszeitbedingte Raumheizungs-Energieettizienz bei warmeren Klimaverhaltniss	ue saisonnière pour le chautfage des locaux, dans les conditions audes
Natistationen energiatehokkus lämpinissä ilmasto-olosuhteissa sezonni energetick ücinnost vytäpěni za teplejšich klimatických podmínek cesonhara eneprviha edekrivehocr npv oronnenve npv no-ronnv krivmatriveh ycnoeva sezonova elektywność en Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden Genergiefficienz bei kälteren Klimaverhältnissen I efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus I efficienza energetica di redise Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden Energiefficienz bei vainnost ohrevu vody za chladnějšich klimatických podmínek I energiefficientie ved vandoprarmning under koldere klimatorny morornyee va sopa npo-cryzee krivnekocr npv nogrpase ve sopa npv no-cryzee krivnekocr npv nogrpase ve sopa npv no-cronnv krivnevar ve sopa npv no-cryzee krivnekocr np	klir de	medelverkningsgrad för rumsuppvärmning under varmare klimatförhållan	ved rumopvarmning under varmere klimaforhold
Water heating energy efficiency under colder climate conditions die Warnwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen reficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus reficienz energetica di ré de energie-efficientle voor waterverwarning onder koudere klimaatomstandigheden Energieffektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden energiefektivitet vid varterververververververververververververve	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	energetická účinnost vytápění za teplejších klim	енергийна ефективност при отопление при по-топли климатични усл
de energie-efficiêntie voor waterverwarming onder koudere klimaatomstandigheden Energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden energiefektiviteten ved vandopvarmning under koldere klimatforhållanden energietica os vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden energieffektiviteten ved vandopvarmning under koldere klimatforhållanden energiefektiviteten ved vandopvarmning under koldere klimatforhållanden energiefektiviteten ved vandopvarmning under kallare klimatforhållanden energiefektiviteten ved vandopvarmning under varmer klimatforhållanden fefficienze energietica do s de energie-efficientie voor waterverwarming onder warmere klimatofugheden Energiefektivitet vid vattenuppvärmning under varmare klimatforhållanden energiefektiviteten ved vandopvarmning under varmere klimatorhold a eficiencia energietica do s vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa Energiefektivitet vod vattenuppvärmning under varmare klimatforhållanden energiefektiviteten ved vandopvarmning under varmere klimatorhold eefktywność eneregietica do s Soun	Water heating energy efficiency under colder climate conditions	ass	pour le chauffage de l'eau, dans les conditions clim
Verdenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa energieticki učinnost ohfevu vody za chladnějšich klimatických podminek energieticki vod vantoveno u ovocí vantoveno			teten ved vandonvarmning under koldere klimaforhold
Water heating energy efficiency under warmer climate conditions die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus Pafficienza energetica di ris Vater heating energy efficiency under warmer climate conditions die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus Pafficienza energetica di ris de energie-efficientie voor waterverwarming onder warmere klimaato-olosubtiessa Energieffektivitet vid vartenuppvärmning under varmare klimatförhållanden energiefektiviteten ved vandopvarmning under varmere klimatorhold a eficiência energética do i vedenlämmit/ksen energiatehokkuus lämpimissä ilmasto-olosubteissa energetická účinnost ohřevu vody za teplejších klimatičkých podmínek energiefektiviteten ved vandopvarmning under varmere kapa npu no-ronnu knuwaruv+uv ycnoeux efektywność energetyczna Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur il ivello di poterza sonora Net gluidsvermogensniveau L _{WA} bulten Ljudefektrivián L _{WA} i udorhuka lorvel de poténcia sonora On rivel de poténcia sonora			енен уей уапооруантный иноет консете кы эфективност при подгряване на вода при
de energie-efficiêntie voor waterverwarming onder warmere klimaatomstandigheden Energiefiektivitet vid vattenuppvärmning under varmare klimaaförhållanden energiefiektiviteten ved vandopvarmning under varmere klimatorhöld vedenlämmityksen energiatehökkuus lämpimissa ilmasto-olosuhteissa energiefiekta üčinnost ohřev vody za teplejšich klimatických podmínek energiefiektiviteten ved vandopvarmning under varmere klimatorhöld Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien energienstiveau L _{WA} butlen ka textérieur Integluidsvernogenstriveau L _{WA} butlen L_WA butlen L_WA i l'extérieur	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	chauffage de l'eau, dans le
vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa energetická účinnost ohřevu vody za teplejšich klimatických podmínek енергийната ефективност при подгряване на вода при по-топли климатични условия Sound power level L _{WA} outdoor der Schallleistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur ledelivermogenstriveau L _{WA} buiten L _{WA} buiten L _{WA} i udontus	de eneraie-	opvärmn	
Image: Sound power level L _{WA} outdoor der Schallteistungspegel L _{WA} im Freien le niveau de puissance acoustique L _{WA} à l'extérieur Sound power level L _{WA} outdoor Ljudeffektnivân L _{WA} i utomhus lydeffektnivân L _{WA} i utomhus	vedenlämmi	vody za	ефективност при подгряване на вода при по-топли климатични
het geluidsvermogensniveau L _{WA} buiten L _{WA} i ude Ljudeffektnivån L _{WA} i utomhus			-
		ien	acoustique L WA à l'extérieur

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	134	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3. 40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.3	kW	Tj = + 7 ° C	COPd	4. 61	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6. 28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	12. 4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW			•	
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	8473	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
17 Mar 124 -				TURKEY			

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

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

		Unit	Item	Symbol	Value	Unit			
Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	175	%			
load at	indoor			nary energy	ratio for				
ure T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	perature Tj				
Pdh	12. 4	kW	Tj = - 7 ° C	COPd	2. 70	-			
Cdh	1.00	-							
Pdh	7.6	kW	Tj = + 2 ° C	COPd	4. 51	-			
Cdh	0. 99	-							
Pdh	6.4	kW	Tj = + 7 ° C	COPd	5. 91	-			
Cdh	0. 98	-							
Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 03	-			
Cdh	0.96	-							
Pdh	12. 4	kW	Tj = bivalent temperature	COPd	2. 70	-			
Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2. 40	-			
Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C			
Tdes i gnh	-10	°C	Heating water operating limit temperature	WTOL	60	°C			
active mo	de		Supplementary heater						
P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW			
P _{T0}	0. 022	kW							
P_{SB}	0. 022	kW	Type of energy input		Electrical				
Рск	0.000	kW							
	variable		Rated air flow rate, outdoors	-	2640	m³/h			
L_{WA}	41 / 58	dBA							
Q_{HE}	6517	kWh							
	-		Water heating energy efficiency	η wh	-	%			
Qelec	-	k₩h							
AEC	-	kWh							
NUFACTURING T	URKEY JOINT ST	FOCK COMPANY	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; Kepichi SAITO									
nate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department TURKEY						
	I load at ure T j Pdh Cdh PoFF CK Cdh Pdh Cdh Cdh Pdh Cdh Cdh Pdh Cdh Cdh Cdh Cdh Cdh Cdh Cdh C	I load at indoor ure T j Pdh 12.4 Cdh 1.00 Pdh 7.6 Cdh 0.99 Pdh 6.4 Cdh 0.98 Pdh 4.1 Cdh 0.98 Pdh 4.1 Cdh 0.96 Pdh 12.4 Pdh 11.0 Tbiv -7 Tdesignh -10 active mode PoFF 0.022 PTO 0.022 PTO 0.022 PSB 0.022 PGK 0.000 Variable LWA 41 / 58 QHE 6517 QHE - Qelec - AEC - NUFACTURING TURKEY JOINT S	Ioad at indoor ure T j Pdh 12.4 KW Cdh 1.00 Pdh 7.6 KW Cdh 0.99 Pdh 6.4 KW Cdh 0.98 Pdh 4.1 KW Cdh 0.96 Pdh 12.4 KW Cdh 0.96 Pdh 12.4 KW Pdh 12.4 KW Pdh 11.0 KW Pdh 11.0 KW 0.022 RW 0.022 PTO 0.022 KW Por PGK 0.000 KW KW PGK 0.000 KW KW PGK 0.000 KW KWh A 41 / 58 GBA Gb17 KWh AEC - KWh	Prated14.0KWI load at indoorenergy efficiencyure T j $Declared coefficient of performance or prinpdh12.4kWCdh1.00-Pdh7.6kWCdh0.99-Pdh6.4kWCdh0.98-Pdh4.1kWCdh0.96-Pdh11.0kWTbiv-7° CCdh0.96-Pdh11.0kWTbiv-7° CTdesignh-10° Cactive modeSupplementary heaterPorf0.022kWPorf0.022kWPox0.000kWVariableRated air flow rate, outdoorsurainable-C-Water heating energy efficiencyOperation limit stepperaturePox0.000kWNUFACTURING TURKEY JOINT STOCK COMPANYManager, Quality Assuarance DepartmentManager, Quality Assuarance Department$	Prateu14.0KWenergyefficiency1/3Ioad at indoorIoad at indoorIoad at indoor temperature 20 ° C and outdoor 20 ° C outdoor 20 ° C ° C ° C ° C ° C ° C ° C ° C ° C °	Practic14.0NN $1/3$ 173Ioad at indoorDeclared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature TjPdh12.4KWTj = -7 °CCOPd2.70Odh1.00Tj = +7 °CCOPd4.51Cdh0.99Tj = +7 °CCOPd5.91Odh0.98Pdh6.4KWTj = +12 °CCOPd2.70Odh0.98Pdh4.1KWTj = +7 °CCOPd2.70Odh0.96Pdh11.0KWTj = operation limit temperatureCOPd2.70Pdh11.0KWTj = operation limit temperatureCOPd2.70Tbiv-7°COperation limit temperatureTOL-25Heating water operating limitWTOL6050060active modeSupplementry heaterRated heat output (*)Psup3.0Pare0.022KWType of energy inputElectricalPare0.000KWVariable-2640Lm41 / 58dBAAge6517KWhNEFACTURING TURKEY JOINT STOCK COMPANYManiaa OSB 4.Kisin Keelikoyeb Mah. Amet Nazif Zorlu Bulvari No:19 Yunusenre - We person empowered to bind the supplier:Kenichi SAITOmate / medium-temperature section.Manager, Quali			

· 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-SWM140YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	104	%
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	8.5	kW	Tj = - 7 ° C	COPd	2. 20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	6.60	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.60	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 20	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10. 5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P_{0FF}	0. 022	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{T0}	0.022	kW				
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	12867	kWh				
For heat pump combination heater:							
Declared load profile		_		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SATTO Manager, Quality Assuarance Department TURKEY			
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		•					

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	131	%
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	nperature Tj	
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4. 6	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	9. 2	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.90	-
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 mode				Supplementary heater			
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	4.8	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	10275	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				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 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-SWM140YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

kW - kW - kW - kW kW kW c c ° C	Seasonal space heating energy efficiency Declared coefficient of performance or prin part load at indoor temperature 20 ° C and Tj = -7 ° C Tj = +2 ° C Tj = +7 ° C Tj = +12 ° C Tj = bivalent temperature Tj = operation limit temperature (***)	outdoor ter COPd COPd COPd COPd COPd		%		
- kW - kW - kW kW	part load at indoor temperature 20 $^{\circ}$ C and Tj = -7 $^{\circ}$ C Tj = +2 $^{\circ}$ C Tj = +7 $^{\circ}$ C Tj = +12 $^{\circ}$ C Tj = bivalent temperature	outdoor ter COPd COPd COPd COPd COPd	nperature Tj 	- - -		
- kW - kW - kW kW	$Tj = -7 \circ C$ $Tj = +2 \circ C$ $Tj = +7 \circ C$ $Tj = +12 \circ C$ $Tj = bivalent temperature$	COPd COPd COPd COPd COPd	- 1.90 3.10 5.40	-		
- kW - kW - kW kW	Tj = + 2 ° C Tj = + 7 ° C Tj = +12 ° C Tj = bivalent temperature	COPd COPd COPd COPd	3. 10	-		
kW - kW - kW kW kW	Tj = + 7 ° C Tj = +12 ° C Tj = bivalent temperature	COPd COPd COPd	3. 10	-		
- kW - kW kW kW	Tj = + 7 ° C Tj = +12 ° C Tj = bivalent temperature	COPd COPd COPd	3. 10	-		
kW - kW kW kW	Tj = +12 ° C Tj = bivalent temperature	COPd COPd	5. 40	-		
- kW - kW kW	Tj = +12 ° C Tj = bivalent temperature	COPd COPd	5. 40	-		
- kW kW °C	Tj = bivalent temperature	COPd		_		
- kW kW °C	Tj = bivalent temperature	COPd		-		
kW °C			1.90			
kW °C			1.90			
°C	Tj = operation limit temperature (***)		1.00	-		
		COPd	1.90	-		
°C	Operation limit temperature	TOL	-25	°C		
	Heating water operating limit temperature	WTOL	60	°C		
	Supplementary heater					
kW	Rated heat output (*)	Psup	0.0	kW		
kW			••			
kW	Type of energy input		Electrical			
kW						
•	·					
	Rated air flow rate, outdoors	-	2640	m³/h		
dBA						
kWh						
	•					
	Water heating energy efficiency	η wh	-	%		
kWh						
kWh						
COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	'lu Bulvari No∶	19 Yunusemre – N	anisa, Turkey		
bind the						
The signature is signed in the average climate / medium-temperature section. Kenichi SAITO Manager, Quality Assuarance Department						
	kW dBA kWh kWh kWh company bind the	kW Rated air flow rate, outdoors dBA kWh where the supplier: Water the supplier:	kW Rated air flow rate, outdoors dBA	kW Rated air flow rate, outdoors 2640 dBA kWh		

 \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-SWM140YAA
	Indoor unit:	EHSD-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	217	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperature	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	14. 0	kW	Tj = + 2 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	9.0	kW	Tj = + 7 ° C	COPd	5. 01	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 01	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	3. 10	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 10	-
			-				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater		II	
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	3407	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section	Kenichi SAITO Manager, Quality Assuarance Department			
				TURKEY			
Details and precautions on installation, maintena	ince 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.							

· 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-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	135	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3. 40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 61	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6. 28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	12. 4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1. 75	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	de		Supplementary heater				
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW			•	
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	8392	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
17 Mar 124 -				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-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Kated near output (*)Prated14.0KWDeclared capacity for heating for part load at indoorTide of the part load at indoorDeclared capacity for heating for part load at indoorTj = -7 ° Cand outdoor temperature T jTj = -7 ° CPdh12.4kWDegradation co-efficient (**)Cdh1.00-Tj =Tj = + 2 ° CPdh7.6kWTj =Degradation co-efficient (**)Cdh0.99-Tj =Tj = + 7 ° CPdh6.4kWTj =Degradation co-efficient (**)Cdh0.98-Tj =Tj = +12 ° CPdh4.1kWTj =Degradation co-efficient (**)Cdh0.96-Tj =Tj = bivalent temperaturePdh11.0kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7° COperReference design conditions for space heatingTdesignh-10° CPower consumption in modes other than active modeSupplemSupplemOff modePoFF 0.0220.022kWTypeStandby modePoS80.022kWType	easonal space heating <u>nergy efficiency</u> d coefficient of performance or pri ad at indoor temperature 20 °C and - 7 °C + 2 °C + 7 °C + 12 °C bivalent temperature			% _ _			
temperature 20 ° C and outdoor temperature T jpart loTj = -7 ° CPdh12.4KWTj =Degradation co-efficient (**)Cdh1.00-Tj =Tj = + 2 ° CPdh7.6KWTj =Degradation co-efficient (**)Cdh0.99-Tj =Tj = + 7 ° CPdh6.4KWTj =Degradation co-efficient (**)Cdh0.98-Tj =Tj = +12 ° CPdh4.1KWTj =Degradation co-efficient (**)Cdh0.96-Tj =Tj = bivalent temperaturePdh12.4KWTj =Tj = operation limit temperature (***)Pdh11.0KWTj =Bivalent temperatureTbiv-7° COperPower consumption in modes other than active modeSupplemSupplemOff modePoFF0.022KWRateThermostat-off modePoSE0.022KWTypeCrankcase heater modePcK0.000KWType	ad at indoor temperature 20 ° C and - 7 ° C + 2 ° C + 7 ° C +12 ° C	COPd COPd COPd COPd	perature Tj 2.70 4.51	-			
Tj = -7 ° CPdh12.4KWTj =Degradation co-efficient (**)Cdh1.00-Tj =Tj = + 2 ° CPdh7.6KWTj =Degradation co-efficient (**)Cdh0.99-Tj =Tj = + 7 ° CPdh6.4KWTj =Degradation co-efficient (**)Cdh0.98-Tj =Tj = +12 ° CPdh4.1KWTj =Degradation co-efficient (**)Cdh0.96-Tj =Tj = bivalent temperaturePdh12.4KWTj =Tj = operation limit temperature (***)Pdh11.0KWTj =Bivalent temperatureTbiv-7° COperReference design conditions for space heatingTdesignh-10° CPower consumption in modes other than active modeSupplemSupplemOff modeP _{0FF} 0.022KWRateStandby modeP _{SB} 0.022KWTypeCrankcase heater modeP _{CK} 0.000KWType	- 7 ° C + 2 ° C + 7 ° C +12 ° C	COPd COPd COPd	2. 70 4. 51	-			
Degradationco-efficient (***)Cdh1.00-Tj = + 2 ° CPdh7.6kWTj =Degradationco-efficient (**)Cdh0.99-Tj = + 7 ° CPdh6.4kWTj =Degradationco-efficient (**)Cdh0.98-Tj = +12 ° CPdh4.1kWTj =Degradationco-efficient (**)Cdh0.96-Tj = bivalent temperaturePdh12.4kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7° COperReferencedesignconditions for spaceTdesignh-10° CPowerconsumptionin <modes< td="">otherthan activeSupplemOff modePorf0.022kWRateStandby modePsB0.022kWTypeCrankcase heater modePork0.000kWType</modes<>	+ 2 ° C + 7 ° C +12 ° C	COPd COPd	4. 51	-			
Tj = + 2 ° CPdh7.6kWTj =Degradation co-efficient (**)Cdh0.99-Tj =Tj = + 7 ° CPdh6.4kWTj =Degradation co-efficient (**)Cdh0.98-Tj =Tj = +12 ° CPdh4.1kWTj =Degradation co-efficient (**)Cdh0.96-Tj = bivalent temperaturePdh12.4kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7° COperReference design conditions for space heatingTdesignh-10° CSupplemPower consumption in modes other than active modeSupplemSupplemSupplemOff modePorF Por0.022kWRateStandby modePsB Crankcase heater modePor Rock0.000kWType	+ 7 ° C +12 ° C	COPd		_			
Degradationco-efficient (**)Cdh 0.99 -Tj = +7°CPdh 6.4 kWTj =Degradationco-efficient (**)Cdh 0.98 -Tj = +12°CPdh 4.1 kWTj =Degradationco-efficient (**)Cdh 0.96 -Tj = bivalent temperaturePdh 12.4 kWTj =Tj = operationlimit temperature (***)Pdh 11.0 kWTj =BivalenttemperatureTbiv-7°COperReferencedesignconditions for spaceTdesignh -10 °CHeatPowerconsumptionin <modes< td="">otherthan activemodeSupplemOffmode$P_{0FF}$$0.022$kWRateStandbymode$P_{SB}$$0.000$kWType</modes<>	+ 7 ° C +12 ° C	COPd		-			
Tj = + 7 ° CPdh6.4kWTj =Degradation co-efficient (**)Cdh0.98-Tj =Tj = +12 ° CPdh4.1kWTj =Degradation co-efficient (**)Cdh0.96-Tj =Tj = bivalent temperaturePdh12.4kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7° COperReference design conditions for spaceTdesignh-10° CHeatPower consumption in modes other than active modeSupplemSupplemOff modePorF0.022kWRateThermostat-off modePosB0.022kWTypeCrankcase heater modePocK0.000kWType	+12 ° C		5. 91				
Degradationco-efficient (**)Cdh 0.98 -Tj = +12° CPdh 4.1 kWTj =Degradationco-efficient (**)Cdh 0.96 -Tj = bivalent temperaturePdh 12.4 kWTj =Tj = operationlimit temperature (***)Pdh 11.0 kWTj =BivalenttemperatureTbiv-7° COperReferencedesignconditionsfor spaceTdesignh-10° CPowerconsumptioninmodesotherthan activemodeOffmodePorF0.022kWRateStandbymodePSB0.022kWTypeCrankcaseheaterPorK0.000kWType	+12 ° C		5.91				
Tj = +12° CPdh4.1kWTj =Degradation co-efficient (**)Cdh0.96Tj = bivalent temperaturePdh12.4kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7° COperReference design conditions for space heatingTdesignh-10° CHeat tempPower consumption in modes other than active modeSupplemSupplemOff modePOFF0.022kWRate TypeThermostat-off modePos0.002kWTypeCrankcase heater modePocK0.000kWType		COPd		-			
Degradationco-efficient (**)Cdh0.96-Tj = bivalent temperaturePdh12.4kWTj =Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7°COperReference design conditions for space heatingTdesignh-10°CHeat tempPower consumption in modes other than active modeSupplemOff modePorF0.022kWRateThermostat-off modePsB0.022kWTypeCrankcase heater modePcK0.000kWType		COPd					
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Tj = operation limit temperature (***)Pdh11.0kWTj =Bivalent temperatureTbiv-7°COperReference design conditions for space heatingTdesignh-10°CHeat tempPower consumption in modes other than active modeOperSupplemOff modePOFF0.022kWRateThermostat-off modePoff0.022kWTypeCrankcase heater modePCK0.000kWType	bivalent temperature						
Bivalent temperature Tbiv -7 ° C Oper Reference design conditions for space Tdesignh -10 ° C Heat Power consumption in modes other than active mode Off mode PorFF 0.022 kW Rate Off mode Pro 0.022 kW Rate Standby mode PsB 0.022 kW Type Crankcase heater mode PcK 0.000 kW Type		COPd	2. 70	-			
Reference design conditions for space Tdesignh -10 ° C Heat temp Power consumption in modes other than active mode Off mode Porf 0.022 kW Supplem Off mode Porf 0.022 kW Rate Thermostat-off mode Porf 0.022 kW Type Crankcase heater mode PcK 0.000 kW Type	operation limit temperature (***)	COPd	2. 40	-			
Reference design conditions for space Tdesignh -10 ° C Heat temp Power consumption in modes other than active mode Off mode Porf 0.022 kW Supplem Off mode Porf 0.022 kW Rate Thermostat-off mode Porf 0.022 kW Type Crankcase heater mode PcK 0.000 kW Type							
heating Idesignn -10 C temp Power consumption in modes other than active mode Off mode PorF 0.022 kW Supplem Off mode PorF 0.022 kW Rate Thermostat-off mode PorF 0.022 kW Type Standby mode PsB 0.022 kW Type Crankcase heater mode PcK 0.000 kW Type	ation limit temperature	TOL	-25	°C			
Power consumption in modes other than active mode Supplem Off mode POFF 0.022 kW Thermostat-off mode PTO 0.022 kW Standby mode PSB 0.022 kW Crankcase heater mode PCK 0.000 kW	ing water operating limit erature	WTOL	60	°C			
Thermostat-off mode PTO 0.022 kW Standby mode PSB 0.022 kW Type Crankcase heater mode PCK 0.000 kW	entary heater						
Standby mode P _{SB} 0.022 kW Type Crankcase heater mode P _{CK} 0.000 kW	d heat output (*)	Psup	3.0	kW			
Crankcase heater mode P _{CK} 0.000 kW			· · · ·				
Vii	of energy input		Electrical				
Other items							
Other items							
Capacity control Variable Rate	d air flow rate, outdoors	-	2640	m³/h			
Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA							
Annual energy consumption Q _{HE} 6437 kWh							
For heat pump combination heater:							
Declared load profile - Wate	r heating energy efficiency	η wh	-	%			
Daily electricity consumption Qelec - kWh							
Annual electricity consumption AEC - kWh							
Contact details							
	SB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zon	rlu Bulvari No:1	9 Yunusemre - Ma	nisa, Turkey			
The identification and signature of the person empowered to bind the supplie Kenichi							
The signature is signed in the average climate / medium-temperature section. Manage	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							

· 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-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	105	%
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 tem	nperature Tj	
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	2. 20	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	6.60	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.60	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1. 20	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10. 5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P_{OFF}	0. 022	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	12819	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	19 Yunusemre - M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the				
The signature is signed in the average cli	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-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	132	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	perature Tj	
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.6	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1. 90	-
Tj = operation limit temperature (***)	Pdh	9. 2	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 90	-
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}	0.022	kW	Rated heat output (*)	Psup	4.8	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	10226	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	k₩h				
Contact details				·			
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	FOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ie person	empowered	to bind the				
Kenichi SAITO The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department							
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY							
• Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.							
· Details and precautions on recycling and/or disp	oosal 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-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	152	%
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 T <u>.</u>	i
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 2 ° C	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-
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. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW			ł	
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items				•			
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	4837	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – I	Manisa, Turkey
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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 dis 		•					

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	223	%
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	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	14. 0	kW	Tj = + 2 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	9.0	kW	Tj = + 7 ° C	COPd	5. 01	-
Degradation co-efficient (**)	Cdh	0. 99	-			. <u> </u>	
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7.01	-
Degradation co-efficient (**)	Cdh	0. 97	-			. <u> </u>	
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3. 10	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 10	-
			-				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater		1	
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW			• •	
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	3310	kWh				
For heat pump combination heater:							
Declared load profile		_		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperatu	ure section.	Manager, Quality Assuarance Department			
	,			TURKEY			
· Details and precautions on installation, maintena	ance and ass	embly can be	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	e found in the	installation and or operation manuals.			

 \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-SWM140YAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	134	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-			<u></u>	
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.3	kW	Tj = + 7 ° C	COPd	4. 61	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6. 28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
			_				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P_{OFF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	8473	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Kenichi SATLO Manager, Quality Assuarance Department			
FI NOU DA				TURKEY			

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

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	175	%
Declared capacity for heating for part	: load at	indoor	•	Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	nperature T <u>.</u>	i
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	2. 70	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4. 51	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5.91	-
Degradation co-efficient (**)	Cdh	0. 98	-			<u> </u>	
Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7.03	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2. 70	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-
			-				
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	6517	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – I	Manisa, Turkey
The identification and signature of the	ie person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperati	ure section.	Manager, Quality Assuarance Department			
TURKEY							
· Details and precautions on installation, maintena	nce and ass	embly can b	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	oosal at end-	of-life can b	e found in the	installation and or operation manuals.			

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA	
	Indoor unit:	EHSD-MED	
Air-to-water heat pump:		yes	
Water-to-water heat pump:		no	
Brine-to-water heat pump:		no	
Low-temperature heat pump:		no	
Equipped with a supplementary heater:		no	
Heat pump combination heater:		no	
Parameters for		medium-temperature application.	
Parameters for		colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	104	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ture Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	2. 20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	6.60	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.60	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 20	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10. 5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	12867	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier; Kenichi SAITO			
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-SWM140YAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	131	%
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	8.5	kW	Tj = - 7 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.6	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0. 98	-			<u>.</u>	
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1. 90	-
Tj = operation limit temperature (***)	Pdh	9. 2	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 90	-
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. 022	kW	Rated heat output (*)	Psup	4. 8	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	$Q_{\rm HE}$	10275	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turke							anisa, Turkey
The identification and signature of the	ne person	empowered	to bind the				
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department TURKEY							
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		•		·			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA	
	Indoor unit:	EHSD-MED	
Air-to-water heat pump:		yes	
Water-to-water heat pump:		no	
Brine-to-water heat pump:		no	
Low-temperature heat pump:		no	
Equipped with a supplementary heater:		no	
Heat pump combination heater:		no	
Parameters for		medium-temperature application.	
Parameters for		warmer climate conditions.	

Prated							
	14. 0	kW	Seasonal space heating energy efficiency	η s	149	%	
load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for		
ıre Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj		
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-	
Cdh	-	-					
Pdh	14. 0	kW	Tj = + 2 ° C	COPd	1.90	-	
Cdh	1.00	-					
Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3. 10	-	
Cdh	0. 99	-					
Pdh	5. 5	kW	Tj = +12 ° C	COPd	5.40	-	
Cdh	0. 98	-					
Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1.90	-	
Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-	
Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
active mo	de		Supplementary heater		II		
P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0.0	kW	
P _{T0}	0. 022	kW					
P _{SB}	0. 022	kW	Type of energy input		Electrical		
Рск	0.000	kW					
	variable		Rated air flow rate, outdoors	-	2640	m³/h	
L _{WA}	41 / 58	dBA					
Q_{HE}	4934	kWh					
			•				
	-		Water heating energy efficiency	η wh	-	%	
Qelec	-	kWh					
AEC	-	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							
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The signature is signed in the average climate / medium-temperature section.							
	ure T j Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Pdh Tbiv Tdesignh active mo P _{OFF} P _{TO} P _{SB} P _{OFF} P _{TO} P _{SB} P _{CK} UFACTURING TH ate / mediu	Irre T j Pdh - Cdh - Pdh 14.0 Cdh 1.00 Pdh 8.8 Cdh 0.99 Pdh 5.5 Cdh 0.98 Pdh 14.0 Pdh 14.0 Pdh 14.0 Pdh 14.0 Pdh 14.0 Pdh 14.0 Pdh 0.022 Pro 0.022 P _{S8} 0.022 P _{CK} 0.000 variable L _{WA} 41 / 58 Q _{HE} 4934 - Qelec - AEC - uFACTURING TURKEY JOINT ST ate / medium-temperatu	Irre T j Pdh - kW Cdh - - Pdh 14.0 kW Cdh 1.00 - Pdh 8.8 kW Cdh 0.99 - Pdh 5.5 kW Cdh 0.99 - Pdh 5.5 kW Cdh 0.98 - Pdh 14.0 kW Pdh 14.0 kW Tbiv 2 ° C active mode ° C PoFF 0.022 kW PoGK 0.000 kW PoK 0.000 kW PoK 0.000 kW UFACTURING TURKEY JOINT STOCK COMPANY e person empowered to bind the ate / medium-temperature section. -	part load at indoor temperature 20 ° C andPdh-kWCdhPdh14.0kWCdh1.00-Pdh8.8kWCdh0.99-Pdh5.5kWCdh0.98-Pdh14.0kWPdh14.0kWPdh14.0kWPdh14.0kWPdh14.0kWPdh14.0kWPdh2° CTbiv2° CTdesignh2° CPorr0.022kWPorr0.022kWPorr0.022kWPox0.000kWRated air flow rate, outdoorsvariableLmA41 / 58dBAQHEC-kWhVariableKWhWater heating energy efficiencyUFACTURING TURKEY JOINT STOCK COMPANYManager, Quality Assuarance DepartmentvariableLmA41 / 58dBAQHEC-kWhWater heating energy efficiencyUFACTURING TURKEY JOINT STOCK COMPANYManager, Quality Assuarance Department	Inter T jPdh-kWCdhPdh14.0kWCdhPdh14.0kWCdh1.00-Pdh8.8kWCdh0.99Pdh5.5kWCdh0.98Pdh14.0KWTj = +7 ° CCdh0.98Pdh14.0KWTj = bivalent temperatureCdh0.98Pdh14.0KWTj = operation limit temperatureCdh0.22rdesignh2 ° Cactive modeSupplementary heaterPorF0.022KWPorPorg0.022KWType of energy inputPor0.022kWType of energy inputPor0.022kWPorPor0.022kWType of energy inputPor0.022kWPorPor0.022kWManisa 058 4.Kisin Kecilikoyosh Mah. Ahmet Nazif Zorlu Bulvari No:c-KHhKerichi SAITOate / medium-temperature section.Manager, Quality Assurance DepartmentTURKEY-	are T j part load at indoor temperature 20 °C and outdoor temperature TjPdhPdhPdh14.0KWCdhPdh8.8KWCdh0.99-Pdh5.5KWCdh0.98Pdh14.0KWTj = +7 °CCdh0.98Pdh14.0KWTj = bivalent temperatureCdh0.98Pdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPdh14.0KWPare0.022KWPare0.022KWPox0.000KWPox0.000KWPox0.000KWPox0.000KWPox0.000KWPox0.000KWPox0.000KWPox0.0	

 \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-SWM140YAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	217	%	
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for		
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj		
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-					
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 2 ° C	COPd	3. 10	-	
Degradation co-efficient (**)	Cdh	1.00	_					
Tj = + 7 ° C	Pdh	9.0	kW	Tj = + 7 ° C	COPd	5. 01	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 01	-	
Degradation co-efficient (**)	Cdh	0.97	-					
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3. 10	-	
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3. 10	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active mo	de	Supplementary heater					
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P _{T0}	0. 022	kW			• • •		
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical		
Crankcase heater mode	Рск	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q_{HE}	3407	kWh					
For heat pump combination heater:				+				
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	k₩h					
Annual electricity consumption	AEC	_	k₩h					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey								
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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.								

 \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-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	135	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-			. <u></u>	
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 61	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6. 28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	12. 4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P_{OFF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	8392	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
M Mar Dr				TURKEY			

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

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Rated heat output (*) Prated 14.0 NN Readonal oppose heating energy efficiency ns 177 Declared capacity for heating for part load at indoor energy efficiency ns 177 Declared capacity for heating for part load at indoor part load at indoor part load at indoor part load at indoor temperature 20 ° C and outdoor temperature T j T part load at indoor temperature 20 ° C and outdoor temperature Tj T j = -7 ° C Pdh 12.4 KN Degradation co-efficient (**) Cdh 0.09 - T j = +7 ° C Pdh 6.4 KN Degradation co-efficient (**) Cdh 0.99 - T j = +12 ° C Pdh 6.4 KN Degradation co-efficient (**) Cdh 0.98 - T j = bixelent temperature Pdh 1.2.4 KN T j = operation limit temperature Pdh 1.4.1 KN T j = operation limit temperature Pdh 1.2.4 KN T j = operation limit temperature COPd 2.70 T j = operation limit temperature Cdh 0.96 <td< th=""><th>Item</th><th>Symbol</th><th>Value</th><th>Unit</th><th>Item</th><th>Symbol</th><th>Value</th><th>Unit</th></td<>	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity for heating for part load at indoorLender capacity for heating for part load at indoorDeclared coefficient of performance or primary energy ratio forLender capacity for heating for part load at indoorTip = -7 ° CODPdTj = -7 ° CPdh12.4KWDegradation co-efficient (++)Cdh10.0-Tj = + 2 ° CPdh6.4KWDegradation co-efficient (++)Cdh0.99-Tj = + 7 ° CPdh6.4KWDegradation co-efficient (++)Cdh0.98-Tj = +12 ° CPdh6.4KWDegradation co-efficient (++)Cdh0.96-Tj = +12 ° CPdh4.1KWDegradation co-efficient (++)Pdh11.0KWTj = operation limit temperaturePdhTj = bivalent temperaturePdh11.0KWTj = operation limit temperature (+++)PdhDeference design conditions for spaceTbiv-7CCorrCPeer consumption in modes other than active modeSuplementary heaterOff modePar0.022Capacity controlVariableStandby modePagCapacity controlLawCapacity controlLawCapacity controlLawFor heat mapOneine fielDeclared load profile-Declared load profile-Declared load profile-Declared load profile-Declared load	Rated heat output (*)	Prated	14. 0	kW		η s	177	%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	lared capacity for heating for part	load at	indoor			nary energy	ratio for	
Degradation co-efficient (**)Cdh1.00-Tj = +2 ° CPdh7.6KWTj = +2 ° CCOPd4.51Degradation co-efficient (**)Cdh0.99-Tj = +7 ° CCOPd5.91Tj = +7 ° CPdh6.4KWTj = +7 ° CCOPd5.91Degradation co-efficient (**)Cdh0.98-Tj = +12 ° CCOPd7.03Degradation co-efficient (**)Cdh0.96Tj = bivalent temperaturePdh12.4KWTj = operation limit temperatureCOPd2.70Tj = operation limit temperature (***)Pdh11.0KWTj = operation limit temperatureCOPd2.70Tj = operation limit temperature freeTbiv-7° COperation limit temperatureTOL-25Power consumption in modes other than active mode0.022KWRated heat output (*)Paup3.0Off modePog0.022KWType of energy inputElectricalCrankcase heater modePog0.000KWType of energy inputElectricalCrankcase heater modePog0.000KWAnnual energy consumption-2640Other itemsKWhAnnual energy efficiency7, wh-Declared load profileKWhAnnual energy efficiency7, wh-Declared load profileKWhAnnual energy efficiency7, wh-<	perature 20 °C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	mperature T	j
$ \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	12. 4	kW	Tj = - 7 ° C	COPd	2. 70	-
Degradation co-efficient (**) Odh 0.99 - Tj = +7 ° C Odh 6.4 KW Tj = +7 ° C OOPd 5.91 Degradation co-efficient (**) Odh 0.98 - Tj = +7 ° C OOPd 5.91 Tj = +12 ° C Operation co-efficient (**) Odh 0.96 - Tj = +12 ° C COPd 7.03 Degradation co-efficient (**) Odh 0.96 - Tj = bivalent temperature OOPd 2.70 Tj = operation limit temperature Pdh 12.4 KW Tj = operation limit temperature COPd 2.40 Bivalent temperature Tbiv -7 ° C Operation limit temperature TOL -25 Reference design conditions for space Tdesignh -10 ° C Election limit temperature TOL -26 Power consumption in modes other than active mode Dog2 KW Rated neat output (*) Psup 3.0 T Thermostat-off mode Pro 0.022 KW KW Type of energy input Electrical Grankcase heater mode Pox 0.000 KW Ati	Degradation co-efficient (**)	Cdh	1.00	-				
Tj = +7 * C Pdh 6.4 KW Degradation co-efficient (**) Cdh 0.98 - Tj = +12 * C Pdh 4.1 KW Degradation co-efficient (**) Cdh 0.96 - Tj = bivalent temperature Pdh 12.4 KW Tj = bivalent temperature COPd 2.70 Tj = operation limit temperature Pdh 11.0 KW Tj = operation limit temperature COPd 2.40 Bivalent temperature Tbiv -7 * C Operation limit temperature TOL -25 Reference design conditions for space Tosignh -10 * C Heating water operating limit wTOL 60 Power consumption in modes other than active mode Por 0.022 kW Rated heat output (*) Psup 3.0 Electrical Other items Canaciase heater mode Por 0.022 kW Type of energy input Electrical Sound power level, indoors/outdoors L _{MX} 41 / 58 dBA Annual energy consumption - 2640 Sound power level, indoors/outdoors L _{MX} 41 / 58 <t< td=""><td>Tj = + 2 ° C</td><td>Pdh</td><td>7.6</td><td>kW</td><td>Tj = + 2 ° C</td><td>COPd</td><td>4. 51</td><td>-</td></t<>	Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4. 51	-
Degradation co-efficient (**) Cdh 0.98 - Tj = +12 ° C Pdh 4.1 kW Tj = +12 ° C COPd 7.03 Degradation co-efficient (**) Cdh 0.96 - - Tj = +12 ° C COPd 7.03 Tj = bivalent temperature Pdh 12.4 kW Tj = bivalent temperature COPd 2.70 Tj = operation limit temperature (***) Pdh 11.0 KW Tj = operation limit temperature (***) COPd 2.40 Bivalent temperature Tbiv -7 ° C Operation limit temperature (***) COPd 2.40 Bivalent temperature Tbiv -7 ° C Operation limit temperature TOL -25 Reference design conditions for space Tbiv 0.22 kW Rated heat output (*) Psup 3.0 Off mode Porr 0.022 kW KW Rated heat output (*) Psup 3.0 Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors Las 41 / 5	Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C Pdh 4.1 kW Degradation co-efficient (**) Cdh 0.96 - Tj = bivalent temperature Pdh 12.4 kW Tj = bivalent temperature COPd 2.70 Tj = operation limit temperature (***) Pdh 11.0 KW Tj = operation limit temperature (***) COPd 2.40 Bivalent temperature meters design conditions for space Tbiv -7 ° C C Heating water operating limit temperature (***) COPd 2.40 Bivalent temperature consumption in modes other than active mode -10 ° C C Heating water operating limit temperature (***) COPd 2.40 Operation limit temperature consumption in modes other than active mode Supplementary heater Rated heat output (*) Psup 3.0 Electrical Other items 0.022 kW Type of energy input Electrical Electrical Sound power level, indoors/outdoors L _{MA} 41 / 58 dBA Annual energy consumption - 2640 Sound power level, indoors/outdoors L _{MA} 41 / 58 dBA Annual energy ensumption - 2640 Contact	Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5. 91	-
Degradation co-efficient (**) Odh 0.96 - Tj = bivalent temperature Pdh 12.4 KW Tj = bivalent temperature OOPd 2.70 Tj = operation limit temperature (***) Pdh 11.0 KW Tj = operation limit temperature (***) OOPd 2.40 Bivalent temperature meature meature meature design conditions for space Tbiv -7 ° C Operation limit temperature TOL -25 Power consumption in modes other than active mode -10 ° C Operation limit temperature WTOL 60 Power consumption in modes other than active mode Supplementary heater Supplementary heater Supplementary heater 60 Off mode Porr 0.022 kW Rated heat output (*) Psup 3.0 Thermostat-off mode Por 0.022 kW Type of energy input Electrical Crankcase heater mode Pox 0.000 kW Annual energy consumption - 2640 Sound power level, indoors/outdoors Lwk 41 / 58 dBA Annual energy consumption - 2640 For heat pump combination heater: Declared load	Degradation co-efficient (**)	Cdh	0. 98	-				-
Tj = bivalent temperature Pdh 12.4 kW Tj = operation limit temperature (***) Pdh 11.0 kW Tj = bivalent temperature (***) COPd 2.70 Bivalent temperature (***) Pdh 11.0 kW Tj = poration limit temperature (***) COPd 2.40 Bivalent temperature (***) Tbiv -7 ° C Operation limit temperature (***) COPd 2.40 Bivalent temperature (***) Toiv -7 ° C Operation limit temperature (***) COPd 2.40 Power consumption in modes other than active mode Tdesignh -10 ° C Heating water operating limit temperature TOL -25 Power consumption in modes other than active mode Porf 0.022 kW Rated heat output (*) Psup 3.0 Thermostat-off mode Por 0.022 kW Type of energy input Electrical Grankcase heater mode Pox 0.000 kW Type of energy input Electrical Sound power level, indoors/outdoors Lm, 41 / 58 dBA Annual energy consumption Qelec - kWh Por heat pump com	Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 03	-
Tj = operation limit temperature (****) Pdh 11.0 kW Tj = operation limit temperature (****) COPd 2.40 Bivalent temperature mode Toiv -7 ° C Operation limit temperature Tol. -25 Reference design conditions for space Tdesignh -10 ° C Heating water operating limit WTOL 60 Power consumption in modes other than active mode Supplementary heater Supplementary heater 0 60 Off mode Porp 0.022 kW Rated heat output (*) Psup 3.0 Thermostat-off mode Por 0.022 kW Type of energy input Electrical Crankcase heater mode Pox 0.002 kW Type of energy input Electrical Other items	Degradation co-efficient (**)	Cdh	0.96	-				-
Bivalent temperature heating Tbiv Tdesignh -7 -10 ° C ° C Operation limit temperature temperature TOL -25 60 Power consumption in modes other than active mode Supplementary heater Supplementary heater 60 Off mode Power 0.022 kW Rated heat output (*) Psup 3.0 Thermostat-off mode Power 0.022 kW Rated heat output (*) Psup 3.0 Standby mode Psis 0.022 kW Type of energy input Electrical Crankcase heater mode Pox 0.000 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors LmA 41 / 58 dBA Annual energy consumption - 2640 For heat pump combination heater: - - Water heating energy efficiency η wh - Daily electricity consumption Qelec - kWh - Mariae 0SB 4. Kisim Kecilikoyoeb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunuseme - Man MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOC	Tj = bivalent temperature	Pdh	12. 4	kW	Tj = bivalent temperature	COPd	2. 70	-
Reference design conditions for space heating Tdesignh -10 ° C Power consumption in modes other than active mode Supplementary heater Supplementary heater Off mode PorF 0.022 kW Thermostat-off mode PorF 0.022 kW Standby mode Pss 0.022 kW Crankcase heater mode Pox 0.000 kW Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors LWA 41 / 58 dBA AMN - 2640 For heat pump combination heater: Declared load profile - - Water heating energy efficiency 7 wh - Daily electricity consumption Qelec - kWh KM Marisa 0SB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man	Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2. 40	-
Reference design conditions for space heating Tdesignh -10 ° C Power consumption in modes other than active mode Supplementary heater Supplementary heater Off mode PorF 0.022 kW Thermostat-off mode PorF 0.022 kW Standby mode Pss 0.022 kW Crankcase heater mode Pox 0.000 kW Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors LWA 41 / 58 dBA AMN - 2640 For heat pump combination heater: Declared load profile - - Water heating energy efficiency 7 wh - Daily electricity consumption Qelec - kWh KM Marisa 0SB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man				-				-
heating C Idesign -10 C temperature C temperature C with 600 Power consumption in modes other than active mode Off mode Power Power Supplementary heater Supplementary heater Rated heat output (*) Psup 3.0 Thermostat-off mode Power Power 0.022 kW KW Type of energy input Electrical Crankcase heater mode Power 0.000 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors L _{MA} 41 / 58 dBA Annual energy consumption Qelec - KWh Annual energy consumption Qelec - KWh Water heating energy efficiency 7wh - Daily electricity consumption AEC - KWh KWh Marisa OSB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Atmet Nazif Zorlu Bulvari No:19 Yunusemre - Man	Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Power consumption in modes other than active mode Supplementary heater Off mode PoFF 0.022 kW Thermostat-off mode PTO 0.022 kW Standby mode PSB 0.022 kW Standby mode PSB 0.022 kW Crankcase heater mode PGK 0.000 kW Other items Capacity control variable Rated air flow rate, outdoors 2640 Sound power level, indoors/outdoors LWA 41 / 58 dBA AMnual energy consumption QHE 6437 kWh For heat pump combination heater: Declared load profile - KWh Water heating energy efficiency η wh - Daily electricity consumption QEIC - kWh Marisa 0SB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 0SB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man		Tdes i gnh	-10	°C		WTOL	60	°C
Thermostat-off mode PTO 0.022 kW Standby mode PSB 0.022 kW Type of energy input Electrical Crankcase heater mode PCK 0.000 kW Type of energy input Electrical Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors LWA 41 / 58 dBA - 2640 Sound power level, indoors/outdoors LWA 41 / 58 dBA - 2640 For heat pump combination heater: Declared load profile - - KWh - Daily electricity consumption Qelec - kWh - - Manual electricity consumption AEC - kWh - - Contact details WITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man		active mo	de				1	
Standby mode P _{SB} 0.022 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 - 2640 Sound power level, indoors/outdoors L _{MA} 41 / 58 dBA - 2640 Sound power level, indoors/outdoors L _{MA} 41 / 58 dBA - 2640 For heat pump combination heater: Declared load profile - - Water heating energy efficiency 7 wh - Daily electricity consumption Qelec - kWh KWh - - Mitsubishi ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man	Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	3.0	kW
Crankcase heater mode P _{OK} 0.000 kW Other items Other items Capacity control variable Rated air flow rate, outdoors - 2640 Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA Annual energy consumption Q _{HE} 6437 kWh For heat pump combination heater: Declared load profile -	Thermostat-off mode	P _{T0}	0. 022	kW				
Other items Variable Rated air flow rate, outdoors 2640 Capacity control Variable Rated air flow rate, outdoors 2640 Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA Annual energy consumption Q _{HE} 6437 kWh For heat pump combination heater: Declared load profile - Variable Declared load profile - kWh Annual electricity consumption Qelec - Annual electricity consumption AEC - kWh Annual electricity consumption AEC - MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man	Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Capacity control variable Rated air flow rate, outdoors 2640 Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA - 2640 Annual energy consumption Q _{HE} 6437 kWh -	Crankcase heater mode	Рск	0.000	kW				
Capacity control Variable Sound power level, indoors/outdoors L _{WA} 41 / 58 dBA Annual energy consumption Q _{HE} 6437 kWh For heat pump combination heater:	er items							
Annual energy consumption Q _{HE} 6437 kWh For heat pump combination heater:	Capacity control		variable	_	Rated air flow rate, outdoors	-	2640	m³/h
For heat pump combination heater: Declared load profile - Water heating energy efficiency η wh - Daily electricity consumption Qelec - kWh -	Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Declared load profile - Water heating energy efficiency η wh - Daily electricity consumption Qelec - kWh - <td>Annual energy consumption</td> <td>\mathbf{Q}_{HE}</td> <td>6437</td> <td>kWh</td> <td></td> <td></td> <td></td> <td></td>	Annual energy consumption	\mathbf{Q}_{HE}	6437	kWh				
Daily electricity consumption Qelec - kWh Annual electricity consumption AEC - 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 - Man	heat pump combination heater:							-
Annual electricity consumption AEC - 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 - Man	Declared load profile		-		Water heating energy efficiency	η wh	-	%
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 - Man	Daily electricity consumption	Qelec	-	kWh				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Man	Annual electricity consumption	AEC	-	k₩h				
The identification and signature of the person empowered to bind the supplier;								Manisa, Turkey
Kenichi SAITO								
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department	e signature is signed in the average clir	nate / mediı	um-temperatu	ure section.				
TURKEY								
· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.	etails and precautions on installation, maintena	nce and ass	embly can be	e found in the	installation and or operation manuals.			

· Details and precautions on recycling and/or 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-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	105	%
Declared capacity for heating for par-	t load at	indoor	1	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	8.5	kW	Tj = - 7 ° C	COPd	2. 20	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	6.60	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	10. 7	kW	Tj = bivalent temperature	COPd	1.60	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	12819	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey							lanisa, 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			
· Details and precautions on installation, maintena		-		·			
Details and precautions on installation, maintena Details and precautions on recycling and/or dis		-		·			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	η s	132	%
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	8.5	kW	Tj = - 7 ° C	COPd	3. 30	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.6	kW	Tj = + 7 ° C	COPd	5. 10	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	9. 2	kW	Tj = operation limit temperature (***)	COPd	1. 50	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.90	-
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. 022	kW	Rated heat output (*)	Psup	4. 8	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P_{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	$Q_{\rm HE}$	10226	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
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The signature is signed in the average cli 	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
 Details and precautions on installation, maintena Details and precautions on recycling and/or dis 		•		·			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	152	%
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	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	14.0	kW	Tj = + 2 ° C	COPd	1. 90	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	8.8	kW	Tj = + 7 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	5. 40	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1. 90	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1. 90	-
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		11	
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0. 0	kW
Thermostat-off mode	P _{T0}	0. 022	kW				
Standby mode	P _{SB}	0. 022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	$Q_{\rm HE}$	4837	k₩h				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - Ma	nisa, Turkey
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Details and precautions on installation, maintena Details and precautions on recycling and/or dis	ince and ass	embly can be	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-SWM140YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14. 0	kW	Seasonal space heating energy efficiency	ηs	223	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperat	ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 2 ° C	COPd	3. 10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	9.0	kW	Tj = + 7 ° C	COPd	5. 01	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	5.1	kW	Tj = +12 ° C	COPd	7. 01	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3. 10	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 10	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdes i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater		1	
Off mode	P _{0FF}	0. 022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0. 022	kW			ĮĮ	
Standby mode	P _{SB}	0. 022	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	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	3310	k₩h				
For heat pump combination heater:		I	ļļ	-			
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	anisa, Turkey
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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.