

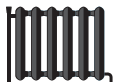


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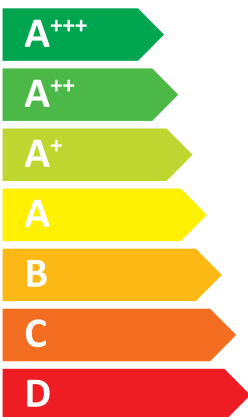
Indoor unit
Outdoor unit

E*SD-****D
PUZ-SHWM80YAA



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



41 dB



54 dB

■ 08
■ **08**
■ 08
kW

■ 08
■ **08**
■ 08
kW



2019

811/2013

DG79V342H12



PRODUCT FICHE

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

DG79A02MH01

1.SPACE HEATER		For medium-temperature application													For low-temperature application												
1	2	3	6	8	11	9	13	15	16	21	22	17	18	25	4	6	8	11	9	13	15	16	21	22	17	18	25
Outdoor unit	Indoor unit	Medium-temperature application													Low-temperature application												
		Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Water heating energy efficiency class	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Water heating energy efficiency class	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions
PUZ-SWM60VAA	EHSD-**** ERSD-****	✓	A++	6	126	3834	41	6	6	111	150	5181	2093	54	✓	A+++	6	181	2701	41	6	6	135	208	4284	1519	54
		✓	A++	6	128	3779	41	6	6	112	155	5147	2027	54	✓	A+++	6	184	2646	41	6	6	136	218	4251	1453	54
PUZ-SWM80VAA	EHSD-**** ERSD-****	✓	A++	8	129	5016	41	8	8	111	162	6890	2584	54	✓	A+++	8	181	3599	41	8	8	141	219	5460	1928	54
		✓	A++	8	130	4961	41	8	8	112	167	6857	2517	54	✓	A+++	8	184	3543	41	8	8	142	227	5427	1862	54
PUZ-SWM80YAA	EHSD-**** ERSD-****	✓	A++	8	128	5053	41	8	8	111	162	6923	2584	54	✓	A+++	8	179	3636	41	8	8	141	219	5493	1928	54
		✓	A++	8	130	4972	41	8	8	112	167	6875	2517	54	✓	A+++	8	183	3555	41	8	8	142	227	5444	1862	54
PUZ-SWM100VAA	EHSD-**** ERSD-****	✓	A++	10	132	6106	41	10	10	109	156	8813	3362	58	✓	A+++	10	178	4564	41	10	10	147	223	6575	2369	58
		✓	A++	10	134	6051	41	10	10	109	159	8780	3296	58	✓	A+++	10	180	4509	41	10	10	147	229	6555	2302	58
PUZ-SWM100YAA	EHSD-**** ERSD-****	✓	A++	10	132	6141	41	10	10	109	154	8840	3405	58	✓	A+++	10	177	4600	41	10	10	146	219	6601	2411	58
		✓	A++	10	133	6061	41	10	10	109	159	8791	3308	58	✓	A+++	10	180	4519	41	10	10	147	228	6565	2314	58
PUZ-SWM120VAA	EHSD-**** ERSD-****	✓	A++	12	131	7450	41	12	12	109	154	10673	4115	58	✓	A+++	12	177	5566	41	12	12	141	221	8290	2882	58
		✓	A++	12	132	7395	41	12	12	109	157	10640	4049	58	✓	A+++	12	178	5511	41	12	12	141	227	8257	2816	58
PUZ-SWM120YAA	EHSD-**** ERSD-****	✓	A++	12	131	7485	41	12	12	109	153	10698	4157	58	✓	A+++	12	176	5600	41	12	12	140	218	8316	2922	58
		✓	A++	12	132	7404	41	12	12	109	156	10649	4060	58	✓	A+++	12	178	5520	41	12	12	141	226	8267	2825	58
PUZ-SWM140VAA	EHSD-**** ERSD-****	✓	A++	14	134	8438	41	14	14	104	150	12843	4893	58	✓	A+++	14	175	6483	41	14	14	132	219	10250	3367	58
		✓	A++	14	135	8383	41	14	14	105	152	12810	4826	58	✓	A+++	14	177	6428	41	14	14	132	224	10217	3301	58
PUZ-SWM140YAA	EHSD-**** ERSD-****	✓	A++	14	134	8473	41	14	14	104	149	12867	4934	58	✓	A+++	14	175	6517	41	14	14	131	217	10275	3407	58
		✓	A++	14	135	8392	41	14	14	105	152	12819	4837	58	✓	A+++	14	177	6437	41	14	14	132	223	10226	3310	58
PUZ-SHWM60VAA	EHSD-**** ERSD-****	✓	A++	6	129	3761	41	6	6	115	159	4993	1980	54	✓	A+++	6	184	2655	41	6	6	138	220	4202	1437	54
		✓	A++	6	131	3706	41	6	6	116	165	4960	1914	54	✓	A+++	6	188	2600	41	6	6	139	231	4168	1371	54
PUZ-SHWM80VAA	EHSD-**** ERSD-****	✓	A++	8	132	4904	41	8	8	115	167	6705	2521	54	✓	A+++	8	184	3530	41	8	8	146	225	5299	1874	54
		✓	A++	8	133	4849	41	8	8	115	171	6672	2454	54	✓	A+++	8	187	3475	41	8	8	147	233	5266	1808	54
PUZ-SHWM80YAA	EHSD-**** ERSD-****	✓	A++	8	131	4941	41	8	8	114	167	6737	2521	54	✓	A+++	8	182	3568	41	8	8	145	225	5332	1874	54
		✓	A++	8	133	4860	41	8	8	115	171	6689	2454	54	✓	A+++	8	187	3487	41	8	8	146	233	5284	1808	54
PUZ-SHWM100VAA	EHSD-**** ERSD-****	✓	A++	10	136	5936	41	10	10	116	164	8272	3204	58	✓	A+++	10	183	4444	41	10	10	149	236	6480	2233	58
		✓	A++	10	138	5881	41	10	10	117	167	8239	3138	58	✓	A+++	10	185	4389	41	10	10	150	244	6447	2167	58
PUZ-SHWM100YAA	EHSD-**** ERSD-****	✓	A++	10	135	5972	41	10	10	116	162	8298	3246	58	✓	A+++	10	181	4480	41	10	10	149	232	6508	2276	58
		✓	A++	10	137	5891	41	10	10	117	167	8250	3149	58	✓	A+++	10	185	4399	41	10	10	150	242	6459	2179	58
PUZ-SHWM120VAA	EHSD-**** ERSD-****	✓	A++	12	136	7169	41	12	12	117	161	9902	3952	58	✓	A+++	12	179	5481	41	12	12	149	232	7843	2753	58
		✓	A++	12	136	7114	41	12	12	118	163	9869	3896	58	✓	A+++	12	181	5426	41	12	12	150	238	7810	2687	58
PUZ-SHWM120YAA	EHSD-**** ERSD-****	✓	A++	12	136	7204	41	12	12	117	159	9927	3995	58	✓	A+++	12	178	5516	41	12	12	149	228	7868	2793	58
		✓	A++	12	137	7123	41	12	12	118	163	9878	3898	58	✓	A+++	12	181	5435	41	12	12	150	237	7819	2696	58
PUZ-SHWM140VAA	EHSD-**** ERSD-****	✓	A++	14	141	8021	41	14	14	115	158	11650	4715	58	✓	A+++	14	183	6227	41	14	14	153	225	8841	3279	58
		✓	A++	14	142	7965	41	14	14	116	158	11617	4649	58	✓	A+++	14	184	6172	41	14	14	154	230	8807	3212	58
PUZ-SHWM140YAA	EHSD-**** ERSD-****	✓	A++	14	141	8055	41	14	14	115	154	11674	4757	58	✓	A+++	14	182	6262	41	14	14	153	222	8865	3319	58
		✓	A++	14	142	7974	41	14	14	116	158	11625	4659	58	✓	A+++	14	184	6181	41	14	14	154	229	8816	3222	58

2.COMBINATION HEATER

COMBINATION HEATER				For medium-temperature application																				For low-temperature application																					
1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Outdoor unit	Indoor unit	Medium-temperature application																							Low-temperature application																				
		Declared load profile	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	Water heating energy efficiency under average climate conditions	Sound power level L _{WA} , indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For water heating, annual electricity consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual electricity consumption under warmer climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} , outdoor	Low-temperature application	Declared load profile	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	For space heating, annual energy consumption under colder climate conditions	For water heating, annual electricity consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual electricity consumption under warmer climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} , outdoor												
PUZ-SWM60VAA	EHST17D-****	✓	L	A++	A+	6	3834	880	126	134	41	-	6	6	5181	2093	1060	846	111	150	105	135	54	✓	L	A+++	A+	6	2701	880	181	134	41	-	6	6	4284	1519	1060	846	135	208	105	135	54
	ERST17D-****	✓	L	A++	A+	6	3779	880	126	134	41	-	6	6	5147	2027	1060	846	112	155	105	135	54	✓	L	A+++	A+	6	2646	880	184	134	41	-	6	6	4251	1453	1060	846	136	218	105	135	54
	EHST20D-****	✓	L	A++	A+	6	3834	898	126	134	41	-	6	6	5181	2093	1044	841	111	150	109	139	54	✓	L	A+++	A+	6	2701	898	181	134	41	-	6	6	4284	1519	1044	841	135	208	109	139	54
	ERST20D-****	✓	L	A++	A+	6	3779	898	126	134	41	-	6	6	5147	2027	1044	841	112	155	109	139	54	✓	L	A+++	A+	6	2646	898	184	134	41	-	6	6	4251	1453	1044	841	136	218	109	139	54
	EHST30D-****	✓	XL	A++	A+	6	3834	1404	126	133	41	-	6	6	5181	2093	1650	1232	111	150	111	155	54	✓	XL	A+++	A+	6	2701	1404	181	133	41	-	6	6	4284	1519	1650	1232	135	208	111	155	54
PUZ-SWM80VAA	ERST30D-****	✓	XL	A++	A+	6	3779	1404	126	133	41	-	6	6	5147	2027	1650	1232	112	155	111	155	54	✓	XL	A+++	A+	6	2646	1404	184	133	41	-	6	6	4251	1453	1650	1232	136	218	111	155	54
	EHST17D-****	✓	L	A++	A+	8	5016	890	129	134	41	-	8	8	6890	2584	1060	846	111	162	105	135	54	✓	L	A+++	A+	8	3599	890	181	134	41	-	8	8	5460	1928	1060	846	141	219	105	135	54
	ERST17D-****	✓	L	A++	A+	8	4961	880	130	134	41	-	8	8	6857	2517	1060	846	112	167	105	135	54	✓	L	A+++	A+	8	3543	880	184	134	41	-	8	8	5427	1862	1060	846	142	227	105	135	54
	EHST20D-****	✓	L	A++	A+	8	5016	898	129	134	41	-	8	8	6890	2584	1044	841	111	162	109	139	54	✓	L	A+++	A+	8	3599	898	181	134	41	-	8	8	5460	1928	1044	841	141	219	109	139	54
	ERST20D-****	✓	L	A++	A+	8	4961	880	130	134	41	-	8	8	6857	2517	1044	841	112	167	109	139	54	✓	L	A+++	A+	8	3543	898	184	134	41	-	8	8	5427	1862	1044	841	142	227	109	139	54
PUZ-SWM80VAA	EHST30D-****	✓	XL	A++	A+	8	5016	1404	129	133	41	-	8	8	6890	2584	1650	1232	111	162	111	155	54	✓	XL	A+++	A+	8	3599	1404	181	133	41	-	8	8	5460	1928	1650	1232	141	219	111	155	54
	ERST30D-****	✓	XL	A++	A+	8	4961	1404	130	133	41	-	8	8	6857	2517	1650	1232	112	167	111	155	54	✓	XL	A+++	A+	8	3543	1404	184	133	41	-	8	8	5427	1862	1650	1232	142	227	111	155	54
	EHST17D-****	✓	L	A++	A+	8	5053	880	128	134	41	-	8	8	6923	2584	1060	846	111	162	105	135	54	✓	L	A+++	A+	8	3636	880	179	134	41	-	8	8	5493	1928	1060	846	141	219	105	135	54
	ERST17D-****	✓	L	A++	A+	8	4972	880	130	134	41	-	8	8	6875	2517	1060	846	112	167	105	135	54	✓	L	A+++	A+	8	3555	880	183	134	41	-	8	8	5444	1862	1060	846	142	227	105	135	54
	EHST20D-****	✓	L	A++	A+	8	5053	898	128	134	41	-	8	8	6923	2584	1044	841	111	162	109	139	54	✓	L	A+++	A+	8	3636	898	179	134	41	-	8	8	5493	1928	1044	841	141	219	105	135	54
PUZ-SWM100VAA	EHST30D-****	✓	XL	A++	A+	8	4972	898	130	134	41	-	8	8	6875	2517	1044	841	112	167	109	139	54	✓	XL	A+++	A+	8	3555	898	183	134	41	-	8	8	5444	1862	1044	841	142	227	109	139	54
	EHST30D-****	✓	XL	A++	A+	8	5053	1404	128	133	41	-	8	8	6923	2584	1650	1232	111	162	111	155	54	✓	XL	A+++	A+	8	3636	1404	179	133	41	-	8	8	5493	1928	1650	1232	141	219	111	155	54
	ERST30D-****	✓	XL	A++	A+	8	4972	1404	130	133	41	-	8	8	6875	2517	1650	1232	112	167	111	155	54	✓	XL	A+++	A+	8	3555	1404	183	133	41	-	8	8	5444	1862	1650	1232	142	227	111	155	54
	EHST20D-****	✓	L	A++	A+	10	6106	898	132	134	41	-	10	10	8813	3264	1044	841	109	156	109	139	58	✓	L	A+++	A+	10	4564	898	178	134	41	-	10	10	6575	2369	1044	841	147	223	109	139	58
	ERST20D-****	✓	L	A++	A+	10	6051	898	134	134	41	-	10	10	8780	3296	1044	841	109	159	109	139	58	✓	L	A+++	A+	10	4564	898	180	134	41	-	10	10	6555	2369	1044	841	147	229	109	139	58
PUZ-SWM100VAA	EHST30D-****	✓	XL	A++	A+	10	6106	1404	132	133	41	-	10	10	8813	3264	1650	1232	109	156	111	155	58	✓	XL	A+++	A+	10	4564	1404	178	133	41	-	10	10	6575	2369	1650	1232	147	223	111	155	58
	ERST30D-****	✓	XL	A++	A+	10	6051	1404	133	134	41	-	10	10	8780	3296	1650	1232	109	159	111	155	58	✓	XL	A+++	A+	10	4509	1404	180	133	41	-	10	10	6555	2369	1650	1232	147	229	111	155	58
	EHST20D-****	✓	L	A++	A+	10	6141	898	132	134	41	-	10	10	8840	3405	1044	841	109	159	109	139	58	✓	L	A+++	A+	10	4600	898	177	134	41	-	10	10	6601	2411	1044	841	146	219	109	139	58
	ERST20D-****	✓	L	A++	A+	10	6061	898	133	134	41	-	10	10	8791	3308	1044	841	109	159	109	139	58	✓	L	A+++	A+	10	4519	898	180	134	41	-	10	10	6555	2314	1044	841	147	228	109	139	58
	EHST30D-****	✓	XL	A++	A+	10	6141	1404	132	133	41	-	10	10	8840	3405	1650	1232	109	154	111	155	58	✓	XL	A+++	A+	10	4600	1404	177	133	41	-	10	10	6601	2411	1650	1232	146	219	111	155	58
PUZ-SWM120VAA	ERST30D-****	✓	XL	A++	A+	10	6061	1404	133	133	41	-	10	10	8791	3308	1650	1232	109	159	111	155	58	✓	XL	A+++	A+	10	4519	1404	180	133	41	-	10	10	6555	2314	1650	1232	147	228	111	155	58
	EHST20D-****	✓	L	A++	A+	12	7450	898	131	134	41	-	12	12	10673	4115	1044	841	109	154	109	139	56	✓	L	A+++	A+	12	5561	898	177	134	41	-	12	12	8290	2882	1044	841	141	221	109	139	56
	ERST20D-****	✓	L	A++	A+	12	7395	898	132	134	41	-	12	12	10640	4099	1044	841	109	157	109	139	56	✓	L	A+++	A+	12	5511	898	178	134	41	-	12	12	8257	2816	1044	841	141	227	109	139	56
	EHST30D-****	✓	XL	A++	A+	12	7450	1404	131	133	41	-	12	12	10673	4115	1650	1232	109	154	111	155	58	✓	XL	A+++	A+	12	5566	1404	177	133	41	-	12	12	8290	2882	1650	1232	141	221	111	155	58
	ERST30D-****	✓	XL	A++	A+	12	7395	1404	132	133	41	-	12	12	10640	4099	1650	1232	109	157	111	155	58	✓	XL	A+++	A+	12	5511	1404	178	133	41	-	12	12	8257	2816	1650	1232	141	227	111	155	58
PUZ-SWM120VAA	EHST20D-****	✓	L	A++	A+	12	7485	898	131	134	41	-	12	12	10698	4157	1044	841	109	153	109	139	58	✓	L	A+++	A+	12	5600	898	176	134	41	-	12	12	8316	2922	1044	841	140	218	109	139	58
	ERST20D-****	✓	L	A++	A+	12	7404	898	132	134	41	-	12	12	10649	4060	1044	841	109	156	109	139	58	✓	L	A+++	A+	12	5520	898	178	134	41	-	12	12	8267	2825	1044	841	141	226	109	139	58
	EHST30D-****	✓	XL	A++	A+	12	7485	1404	131	133	41	-	12	12	10698	4157	1650	1232	109	153	111	155	58	✓	XL	A+++	A+	12	5600	1404	176	133	41	-	12	12	8316	2922	1650	1232	140	218	111	155	58
	ERST30D-****	✓	XL	A++	A+	12	7404	1404	132	133	41	-	12	12	10649	4060	1650	1232	109	156	111	155	58	✓	XL	A+++	A+	12																	

	English	Deutsch	Français	Italiano	Espanol
	Nederlands	Svenska	Dansk	Português	Ελληνικά
	suomi	Čeština	Български	Português	Ελληνικά
	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
1	builteunit	Utomhusenhet	Unités exterie	unidad exterior	Εξωτερική μονάδα
	Ulkokotelo	Vänkonst ierjotika	Външно тяло	jednostka zewnętrzna	-
2	indoor unit	Innengerät	unité intérieure	unità interna	unidad interior
	sisäyksikö	Innhusenhet	Interieurs tied	unidad interior	Εσωτερική μονάδα
	Sisäyksikö	Vnitřní jednotka	Внутреннее тяло	jednostka wewnętrzna	-
	Medium-temperature application	Mitteltemperaturanwendung	l'application à moyenne température	la aplicación a media temperatura	la aplicación de media temperatura
3	middle-temperature-boasting	medium-temperatureapplikation	middle-temperatureapplikation	a aplicación a media temperatura	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	siedelämpötiln aplikace	среднотемпературного применения	zastosowanie w średnich temperaturach	η εφαρμογή σε χαμηλή θερμοκρασία
4	low-temperature application	Niedertemperaturanwendung	l'application à basse température	la aplicación a bassa temperatura	la aplicación de baja temperatura
	alagelämpötilan sovellus	laidetemperatuurilaplikatsioon	l'application à basse température	a aplicación a baixa temperatura	η εφαρμογή σε υψηλή θερμοκρασία
5	Decided load profile	Ausgeworfenes Lastprofil	Profil de soudeage decalé	Profilo di carico sfalsato	Perífil de carga desfasado
	Säreggeven lastprofie	Deklarerat belastningsprofil	Ардулет товарног профил	Definovaný profil obložení	Δηλωτικό προφίλ φορτίου
	Ilmoitettu kuormitusprofiili	Deklarovaný zatěžovací profil	Объявлен товарный профиль	A robená zatěžková profil	la robená zatěžková profil
	Seasonal space heating energy efficiency class	Seasonal space heating energy efficiency class	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	la classe d'efficacia energética estacional de calefacción	la clase de eficiencia energética estacional de calefacción
6	de seizoengebonden energie-efficiëntieklasse voor ruimteverwarming	säsongsbaserade energiefäktiviteitsklass för rumsuppvärmning	la classe d'efficacité énergétique pour le chauffage des locaux	A robená zatěžková profil	η εποχιακή θερμική χωρητικότητα
	Ilattimittuksien kuusitainen energiatähteyksluokkia	Ilattimittuksien kuusitainen energiatähteyksluokkia	класы на сезонната отоплителна енергийна ефективност	klasa sezonowej efektywności energetycznej	η θερμική χωρητικότητα
	Water heating energy efficiency class	Water heating energy efficiency class	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe de eficiencia energética del riscaldamento dell'acqua	la clase de eficiencia energética del calentamiento de agua
7	de energie-efficiëntieklasse voor waterverwarming	energiefäktiviteitsklass för vattenuppvärmning	класы на енергийната ефективност при поддържане на вода	Klasa efektywności energetycznej podgrzewania wody	-
	veelilattimittuksien energiatähteyksluokka	veelilattimittuksien energiatähteyksluokka	класы на енергийната ефективност при поддържане на вода	la robená temisa nominalna (in condition climatiche medie)	-
8	Rated heat output under average climate conditions	Rated heat output under average climate conditions	la puissance thermique nominale dans les conditions climatiques moyennes	la robená temisa nominalna (in condition climatiche medie)	-
	de nominale warmteafvoer (onder gemiddelde klimaatomstandigheden)	de nominale warmteafvoer (onder gemiddelde klimaatomstandigheden)	den nominelle varmeafkæb (under gennemsnitlige klimaatforhold)	A robená zatěžková nominalna (in condition climatiche medie)	η ονομαστική θερμική χωρητικότητα
	Ilmestilattimittokseen keskimääräisissä ilmastio-olosuhteissa	Ilmestilattimittokseen keskimääräisissä ilmastio-olosuhteissa	номиналната топлинна мощност (при средни климатични условия)	znatimovna nosi nominalna (in condition climatiche medie)	-
	For space heating, annual energy consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	pour le chauffage des locaux, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia (in condition climatiche medie)	para calefación espacios, el consumo anual de energía (en condiciones climáticas medias)
9	voor ruimteverwarming, het jaarlijkse energieverbruik (onder gemiddelde	voor ruimteverwarming, het jaarlijkse energieverbruik (onder gemiddelde	за отопление, годишното потребление на енергия (при средни климатични условия)	per il riscaldamento d'ambiente, il consumo annuo di energia (in condition climatiche medie)	para calefación espacios, el consumo anual de energía (en condiciones climáticas medias)
	Ilattimittuksessa vuotuinen energiantuutus (keskimääräisissä ilmastio-olosuhteissa)	Ilattimittuksessa vuotuinen energiantuutus (keskimääräisissä ilmastio-olosuhteissa)	роут ле chauffage de l'eau, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia (in condition climatiche medie)	para calefación espacios, el consumo anual de energía (en condiciones climáticas medias)
	For water heating, annual electricity consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	la puissance thermique nominale dans les conditions climatiques moyennes	per il riscaldamento dell'acqua, il consumo annuo di energia (in condition climatiche medie)	para calefación agua, el consumo anual de electricidad en condiciones climáticas medias
10	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde	за поддържане на вода, годишното потребление (при средни климатични условия)	para o aquecimento de água, o consumo anual de eletricidade (em condições climáticas m	para calefación agua, el consumo anual de electricidad en condiciones climáticas medias)
	Ilmestilattimittokseen vuotuinen sähkökulutus (keskimääräisissä ilmastio-olosuhteissa)	Ilmestilattimittokseen vuotuinen sähkökulutus (keskimääräisissä ilmastio-olosuhteissa)	for vandorvarmning det årlige elforbrug (under gennemsnitlige klimaatforhold)	para o aquecimento de água, o consumo anual de eletricidade (em condições climáticas m	para calefación agua, el consumo anual de electricidad en condiciones climáticas medias)
	Seasonal space heating energy efficiency under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	la puissance énergétique saisonnière pour le chauffage des locaux (dans les conditions climatiques moyennes)	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mé	la eficiencia energética de calefacción en condiciones climáticas medias)
11	de seizoengebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde	de seizoengebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde	la puissance énergétique saisonnière pour le chauffage des locaux (dans les conditions climatiques moyennes)	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mé	la eficiencia energética de calefacción en condiciones climáticas medias)
	Ilattimittuksien kuusitainen energiatähteyksluokkia (keskimääräisissä ilmastio-olosuhteissa)	Ilattimittuksien kuusitainen energiatähteyksluokkia (keskimääräisissä ilmastio-olosuhteissa)	la puissance énergétique saisonnière pour le chauffage des locaux (dans les conditions climatiques moyennes)	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mé	la eficiencia energética de calefacción en condiciones climáticas medias)
	Water heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	la puissance énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la potencia energética de calefacción en condiciones climáticas medias)	la eficiencia energética de calefacción en condiciones climáticas medias)
12	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	la puissance énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la potencia energética de calefacción en condiciones climáticas medias)	la eficiencia energética de calefacción en condiciones climáticas medias)
	veelilattimittuksien energiatähteyksluokkia (keskimääräisissä ilmastio-olosuhteissa)	veelilattimittuksien energiatähteyksluokkia (keskimääräisissä ilmastio-olosuhteissa)	la puissance énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la potencia energética de calefacción en condiciones climáticas medias)	la eficiencia energética de calefacción en condiciones climáticas medias)
13	Sound power level L _{WA} indoor	Sound power level L _{WA} indoor	le niveau de puissance acoustique L _{WA} à l'intérieur	el nivel de potencia sonora L _{WA} al interior	el nivel de potencia acústica L _{WA} en interiores
	Ilattimittokseen L _{WA} sisällä	Ilattimittokseen L _{WA} sisällä	la puissance acoustique L _{WA} à l'intérieur	O nivel de potencia sonora L _{WA} no interior	η στάθμη ηχητικής χωρητικότητας L _{WA} εσωτερικού χώρου
	Work only during off-peak hours	Work only during off-peak hours	fonctionner uniquement pendant les heures creuses	rodzom pouze akustický L _{WA} w romiszczenniu	funcionar solamente durante las horas de baja demanda
14	Wetken uitstrijdend in de dauren	Wetken uitstrijdend in de dauren	fonctionner uniquement pendant les heures creuses	rodzom pouze akustický L _{WA} w romiszczenniu	funcionar solamente durante las horas de baja demanda
	komman anovaan kuluksien vuorokaudella	komman anovaan kuluksien vuorokaudella	fonctionner uniquement pendant les heures creuses	rodzom pouze akustický L _{WA} w romiszczenniu	funcionar solamente durante las horas de baja demanda
	Rated heat output under colder climate conditions	Rated heat output under colder climate conditions	la puissance thermique nominale, dans les conditions climatiques plus froides	la potencia térmica nominal, en condiciones climáticas más frías	la potencia calorífica nominal en condiciones climáticas más frías
15	de nominale warmteafvoer, onder koude klimaatomstandigheden	de nominale warmteafvoer, onder koude klimaatomstandigheden	den nominelle varmeafkæb, under kolder klimaatforhold	A robená zatěžková nominal, em condições climáticas mais frias	η ονομαστική θερμική χωρητικότητα υπό ψυχρότερες, κλιματικές συνθήκες
	Ilmestilattimittokseen, kylmissä ilmastio-olosuhteissa	Ilmestilattimittokseen, kylmissä ilmastio-olosuhteissa	den nominelle varmeafkæb, under kolder klimaatforhold	A robená zatěžková nominal, em condições climáticas mais frias	η ονομαστική θερμική χωρητικότητα υπό ψυχρότερες, κλιματικές συνθήκες
	Rated heat output under warmer climate conditions	Rated heat output under warmer climate conditions	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia térmica nominal, en condiciones climáticas más calidas	la potencia calorífica nominal en condiciones climáticas más calidas
16	de nominale warmteafvoer, onder warme klimaatomstandigheden	de nominale warmteafvoer, onder warme klimaatomstandigheden	den nominelle varmeafkæb, dans les conditions climatiques plus chaudes	A robená zatěžková nominal, em condições climáticas mais quentes	η ονομαστική θερμική χωρητικότητα υπό θερμότερες, κλιματικές συνθήκες
	Ilmestilattimittokseen, lämpimissä ilmastio-olosuhteissa	Ilmestilattimittokseen, lämpimissä ilmastio-olosuhteissa	den nominelle varmeafkæb, dans les conditions climatiques plus chaudes	A robená zatěžková nominal, em condições climáticas mais quentes	η ονομαστική θερμική χωρητικότητα υπό θερμότερες, κλιματικές συνθήκες
	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under colder climate conditions	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para o aquecimento de ambiente, o consumo anual de energia em condições climáticas mais frias	para calefación espacios, el consumo anual de energía en condiciones climáticas más frías
17	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para o aquecimento de ambiente, o consumo anual de energia em condições climáticas mais frias	para calefación espacios, el consumo anual de energía en condiciones climáticas más frías
	Ilattimittuksessa vuotuinen energiantuutus kylmissä ilmastio-olosuhteissa	Ilattimittuksessa vuotuinen energiantuutus kylmissä ilmastio-olosuhteissa	for timorvarmning, årlig energiförbrukning under kallare klimaatförhållanden	for timorvarmning, årlig energiförbrukning under kallare klimaatförhållanden	για θερμότητα χώρου, η ετήσια καταναλωση ενέργειας υπό ψυχρότερες, κλιματικές συνθήκες
	For space heating, annual energy consumption under warmer climate conditions	For space heating, annual energy consumption under warmer climate conditions	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	για θερμότητα χώρου, η ετήσια καταναλωση ενέργειας υπό θερμότερες, κλιματικές συνθήκες
18	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para o aquecimento de ambiente, o consumo anual de energia em condições climáticas mais quentes	για θερμότητα χώρου, η ετήσια καταναλωση ενέργειας υπό θερμότερες, κλιματικές συνθήκες
	Ilattimittuksessa vuotuinen energiantuutus lämpimissä ilmastio-olosuhteissa	Ilattimittuksessa vuotuinen energiantuutus lämpimissä ilmastio-olosuhteissa	for timorvarmning, årlig energiförbrukning under kallare klimaatförhållanden	for timorvarmning, årlig energiförbrukning under kallare klimaatförhållanden	για θερμότητα χώρου, η ετήσια καταναλωση ενέργειας υπό ψυχρότερες, κλιματικές συνθήκες
	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under colder climate conditions	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais frias	para calefación agua, el consumo anual de electricidad en condiciones climáticas más frías
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais frias	para calefación agua, el consumo anual de electricidad en condiciones climáticas más frías
	Ilmestilattimittokseen, vuotuinen sähkökulutus kylmissä ilmastio-olosuhteissa	Ilmestilattimittokseen, vuotuinen sähkökulutus kylmissä ilmastio-olosuhteissa	for vandorvarmning det årlige elforbrug under kolder klimaatforhold	for vandorvarmning det årlige elforbrug under kolder klimaatforhold	για θερμότητα χώρου, η ετήσια καταναλωση ηλεκτρικής ενέργειας υπό ψυχρότερες, κλιματικές συνθήκες
	veelilattimittuksessa vuotuinen sähkökulutus kylmissä ilmastio-olosuhteissa	veelilattimittuksessa vuotuinen sähkökulutus kylmissä ilmastio-olosuhteissa	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	για θερμότητα χώρου, η ετήσια καταναλωση ηλεκτρικής ενέργειας υπό θερμότερες, κλιματικές συνθήκες
	For water heating, annual energy consumption under warmer climate conditions	For water heating, annual energy consumption under warmer climate conditions	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais quentes	para calefación agua, el consumo anual de electricidad en condiciones climáticas más calidas
20	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais quentes	para calefación agua, el consumo anual de electricidad en condiciones climáticas más calidas
	Ilmestilattimittokseen, vuotuinen sähkökulutus lämpimissä ilmastio-olosuhteissa	Ilmestilattimittokseen, vuotuinen sähkökulutus lämpimissä ilmastio-olosuhteissa	for vandorvarmning, årlig elförbrukning under kallare klimaatförhållanden	for vandorvarmning, årlig elförbrukning under kallare klimaatförhållanden	για θερμότητα χώρου, η ετήσια καταναλωση ηλεκτρικής ενέργειας υπό ψυχρότερες, κλιματικές συνθήκες
	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under colder climate conditions	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	za opotlenie, godišnjom potrobljenie na energiju pri po-studeni klimatichni uslovi	για θερμότητα χώρου, η ετήσια καταναλωση ηλεκτρικής ενέργειας υπό θερμότερες, κλιματικές συνθήκες
21	de seizoengebonden energie-efficiëntie voor ruimteverwarming onder koudere	de seizoengebonden energie-efficiëntie voor ruimteverwarming onder koudere	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mais frias)	la eficiencia energética estacional de calefacción en condiciones climáticas más frías
	Ilattimittuksien kuusitainen energiatähteyksluokkia kylmissä ilmastio-olosuhteissa	Ilattimittuksien kuusitainen energiatähteyksluokkia kylmissä ilmastio-olosuhteissa	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mais frias)	la eficiencia energética estacional de calefacción en condiciones climáticas más frías
	Seasonal space heating energy efficiency under warmer climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mais quentes)	la eficiencia energética estacional de calefacción en condiciones climáticas más calidas
22	de seizoengebonden energie-efficiëntie voor ruimteverwarming onder warmere	de seizoengebonden energie-efficiëntie voor ruimteverwarming onder warmere	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mais quentes)	la eficiencia energética estacional de calefacción en condiciones climáticas más calidas
	Ilattimittuksien kuusitainen energiatähteyksluokkia lämpimissä ilmastio-olosuhteissa	Ilattimittuksien kuusitainen energiatähteyksluokkia lämpimissä ilmastio-olosuhteissa	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la potencia energética de aquecimento ambiente sazonal (em condições climáticas mais quentes)	la eficiencia energética estacional de calefacción en condiciones climáticas más calidas
	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under colder climate conditions	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	la potencia energética de calefacción en condiciones climáticas más frías	la eficiencia energética de calefacción en condiciones climáticas más frías
23	de energie-efficiëntie voor waterverwarming onder koude klimaatomstandigheden	de energie-efficiëntie voor waterverwarming onder koude klimaatomstandigheden	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	la potencia energética de calefacción en condiciones climáticas más frías	la eficiencia energética de calefacción en condiciones climáticas más frías
	veelilattimittuksien energiatähteyksluokkia kylmissä ilmastio-olosuhteissa	veelilattimittuksien energiatähteyksluokkia kylmissä ilmastio-olosuhteissa	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	la potencia energética de calefacción en condiciones climáticas más frías	la eficiencia energética de calefacción en condiciones climáticas más frías
	Water heating energy efficiency under warmer climate conditions	Water heating energy efficiency under warmer climate conditions	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	la potencia energética de calefacción en condiciones climáticas más calidas	la eficiencia energética de calefacción en condiciones climáticas más calidas
24	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	la potencia energética de calefacción en condiciones climáticas más calidas	la eficiencia energética de calefacción en condiciones climáticas más calidas
	veelilattimittuksien energiatähteyksluokkia lämpimissä ilmastio-olosuhteissa	veelilattimittuksien energiatähteyksluokkia lämpimissä ilmastio-olosuhteissa	la puissance énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	la potencia energética de calefacción en condiciones climáticas más calidas	la eficiencia energética de calefacción en condiciones climáticas más calidas
	Sound power level L _{WA} outdoor	Sound power level L _{WA} outdoor	le niveau de puissance acoustique L _{WA} à l'extérieur	el nivel de potencia sonora L _{WA} al exterior	el nivel de potencia acústica L _{WA} en exteriores
25	het geluidswaarnemingsniveau L _{WA} buiten	het geluidswaarnemingsniveau L _{WA} buiten	la puissance acoustique L _{WA} à l'extérieur	O nivel de potencia sonora L _{WA} no exterior	η στάθμη ηχητικής χωρητικότητας L _{WA} εξωτερικού χώρου
	Ilattimittokseen L _{WA} ulkona	Ilattimittokseen L _{WA} ulkona	la puissance acoustique L _{WA} à l'extérieur	O nivel de potencia sonora L _{WA} no exterior	η στάθμη ηχητικής χωρητικότητας L _{WA} εξωτερικού χώρου
	Ilattimittokseen L _{WA} ulkona	Ilattimittokseen L _{WA} ulkona	la puissance acoustique L _{WA} à l'extérieur	O nivel de potencia sonora L _{WA} no exterior	η στάθμη ηχητικής χωρητικότητας L _{WA} εξωτερικού χώρου

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	131	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

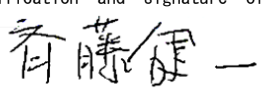
Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	4941	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	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			
The identification and signature of the person empowered to bind the supplier:				Kenichi SAITO			
				Manager, Quality Assurance Department			
				TURKEY			

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	182	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6.52	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	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	-	2220	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	3568	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	114	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	3.45	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	4.3	kW	Tj = + 7 ° C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	6.74	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature (***)	Pdh	5.3	kW	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-22	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.7	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
				Type of energy input	Electrical		

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	6737	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	145	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.8	kW	Tj = - 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = + 2 °C	COPd	4.30	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.56	-
Tj = + 7 °C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.4	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	5332	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	167	%			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 °C	Pdh	8.0	kW	Tj = + 2 °C	COPd	2.05	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	3.60	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	6.02	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.05	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	-			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C			
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	2521	kWh	-	2220	m ³ /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

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	225	%			
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj						
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3.75	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	5.1	kW	Tj = + 7 ° C	COPd	5.20	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.7	kW	Tj = +12 ° C	COPd	7.34	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	3.75	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3.75	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C			
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	1874	kWh	-						
				2220						
				m³/h						

For heat pump combination heater:

Declared load profile	–			Water heating energy efficiency	η_{wh}	–	%
Daily electricity consumption	Q _{elec}	–	kWh				
Annual electricity consumption	AEC	–	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	133	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	4860	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details

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Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey

The identification and signature of the person empowered to bind the supplier:

斉藤 健一

Kenichi SAITO
Manager, Quality Assurance Department
TURKEY

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

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	187	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6.52	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	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	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	3487	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	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
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 Assurance 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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	115	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.9	kW	Tj = - 7 °C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.45	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	6.74	-
Tj = + 7 °C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.3	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.7	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	6689	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

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	146	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.8	kW	Tj = - 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = + 2 °C	COPd	4.30	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.56	-
Tj = + 7 °C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.4	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2220	m³/h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	5284	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile	-						
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			
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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	171	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	—	kW	Tj = - 7 ° C	COPd	—	—
Degradation co-efficient (**)	Cdh	—	—				
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	2.05	—
Degradation co-efficient (**)	Cdh	1.00	—				
Tj = + 7 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	3.60	—
Degradation co-efficient (**)	Cdh	0.99	—				
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	6.02	—
Degradation co-efficient (**)	Cdh	0.98	—				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.05	—
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	—
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
				Type of energy input	Electrical		

Other items									
Capacity control	variable				Rated air flow rate, outdoors		-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA						
Annual energy consumption	Q _{HE}	2454	kWh						

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	233	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	—	kW	Tj = - 7 ° C	COPd	—	—
Degradation co-efficient (**)	Cdh	—	—				
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3.75	—
Degradation co-efficient (**)	Cdh	0.99	—				
Tj = + 7 ° C	Pdh	5.1	kW	Tj = + 7 ° C	COPd	5.20	—
Degradation co-efficient (**)	Cdh	0.99	—				
Tj = +12 ° C	Pdh	4.7	kW	Tj = +12 ° C	COPd	7.34	—
Degradation co-efficient (**)	Cdh	0.98	—				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	3.75	—
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3.75	—
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	−30	° C
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
				Type of energy input	Electrical		

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	1808	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details							
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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 Assurance Department			
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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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	131	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	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				

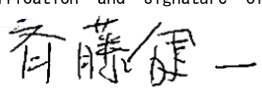
Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	4941	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	182	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6.52	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	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	-	2220	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	3568	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	114	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.9	kW	Tj = - 7 °C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.45	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	6.74	-
Tj = + 7 °C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.3	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.7	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	6737	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	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
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 Assurance Department
	TURKEY

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	145	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.8	kW	Tj = - 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = + 2 °C	COPd	4.30	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.56	-
Tj = + 7 °C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.4	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2220	m³/h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	5332	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile	-						
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			
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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	167	%			
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj						
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	2.05	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	3.60	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	6.02	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.05	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C			
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	2521	kWh	-						
For heat pump combination heater:				2220						
Declared load profile	-			m ³ /h						
Daily electricity consumption	Q _{elec}	-	kWh	Water heating energy efficiency						
Annual electricity consumption	AEC	-	kWh	η_{wh}						
Contact details				-						

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	225	%			
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj						
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3.75	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	5.1	kW	Tj = + 7 ° C	COPd	5.20	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.7	kW	Tj = +12 ° C	COPd	7.34	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	3.75	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3.75	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C			
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	1874	kWh	-						
For heat pump combination heater:				2220						
Declared load profile	-			m ³ /h						
Daily electricity consumption	Q _{elec}	-	kWh	Water heating energy efficiency						
Annual electricity consumption	AEC	-	kWh	η_{wh}						
Contact details				-						

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	133	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	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				

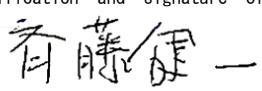
Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	4860	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	187	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6.52	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P _{TO}	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	-	2220	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	3487	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	115	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.9	kW	Tj = - 7 °C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.45	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	6.74	-
Tj = + 7 °C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.3	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.7	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	6689	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			
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 Assurance 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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	146	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.8	kW	Tj = - 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = + 2 °C	COPd	4.30	-
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 7 °C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.56	-
Tj = + 7 °C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 °C	Pdh	3.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.95	-	Operation limit temperature	TOL	-30	°C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.4	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	6.5	kW				
Bivalent temperature	Tbiv	-16	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA				
Annual energy consumption	Q _{HE}	5284	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	171	%			
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj						
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	2.05	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	3.60	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.5	kW	Tj = +12 ° C	COPd	6.02	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.05	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C			
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	2454	kWh	-						
For heat pump combination heater:				2220						
Declared load profile	-			m³/h						
Daily electricity consumption	Q _{elec}	-	kWh	Water heating energy efficiency						
Annual electricity consumption	AEC	-	kWh	η_{wh}						
Contact details				-						

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The identification and signature of the person empowered to bind the supplier:				Kenichi SAITO			
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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80YAA
	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	8.0	kW	Seasonal space heating energy efficiency	η_s	233	%			
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj						
Tj = - 7 ° C	Pdh	–	kW	Tj = - 7 ° C	COPd	–	–			
Degradation co-efficient (**)	Cdh	–	–							
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3.75	–			
Degradation co-efficient (**)	Cdh	0.99	–							
Tj = + 7 ° C	Pdh	5.1	kW	Tj = + 7 ° C	COPd	5.20	–			
Degradation co-efficient (**)	Cdh	0.99	–							
Tj = +12 ° C	Pdh	4.7	kW	Tj = +12 ° C	COPd	7.34	–			
Degradation co-efficient (**)	Cdh	0.98	–							
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	3.75	–			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3.75	–			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	–30	° C			
Reference design conditions for space heating	Tdesignh	2	° C	Heating water operating limit temperature	WTOL	60	° C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW			
Thermostat-off mode	P _{TO}	0.015	kW							
Standby mode	P _{SB}	0.015	kW							
Crankcase heater mode	P _{CK}	0.000	kW							
Other items				Type of energy input						
Capacity control	variable			Electrical						
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	1808	kWh	–						
For heat pump combination heater:				2220						
Declared load profile	–			m ³ /h						
Daily electricity consumption	–									
Annual electricity consumption	–									

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			
The identification and signature of the person empowered to bind the supplier:				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey			
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