

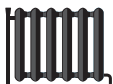


ENERG
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Indoor unit
Outdoor unit

E*ST30D-****D
PUZ-SWM80YAA



A+++

A++

A+

A

B

C

D

A++

A+

A

B

C

D

E

F

A+



41 dB



54 dB



- 08 kW
- 08 kW
- 08 kW

2019

811/2013

DG79V341H21

1		2		For medium-temperature application															For low-temperature application														
Outdoor unit	Indoor unit	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						
		Medium-temperature application															Low-temperature application																
		Seasonal space heating energy efficiency class															Seasonal space heating energy efficiency class																
		Rated heat output under average climate conditions															Rated heat output under average climate conditions																
		Seasonal space heating energy efficiency under average climate conditions															Seasonal space heating energy efficiency under average climate conditions																
		For space heating, annual energy consumption under average climate conditions															For space heating, annual energy consumption under average climate conditions																
		Sound power level L _{WA} , indoor															Sound power level L _{WA} , indoor																
		Rated heat output under warmer climate conditions															Rated heat output under warmer climate conditions																
		Seasonal space heating energy efficiency under warmer climate conditions															Seasonal space heating energy efficiency under warmer climate conditions																
		For space heating, annual energy consumption under warmer climate conditions															For space heating, annual energy consumption under warmer climate conditions																
		Sound power level L _{WA} , outdoor															Sound power level L _{WA} , outdoor																
		Low-temperature application															Low-temperature application																
		Seasonal space heating energy efficiency class															Seasonal space heating energy efficiency class																
		Rated heat output under average climate conditions															Rated heat output under average climate conditions																
		Seasonal space heating energy efficiency under average climate conditions															Seasonal space heating energy efficiency under average climate conditions																
		For space heating, annual energy consumption under average climate conditions															For space heating, annual energy consumption under average climate conditions																
		Sound power level L _{WA} , indoor															Sound power level L _{WA} , indoor																
		Rated heat output under colder climate conditions															Rated heat output under colder climate conditions																
		Seasonal space heating energy efficiency under colder climate conditions															Seasonal space heating energy efficiency under colder climate conditions																
		For space heating, annual energy consumption under colder climate conditions															For space heating, annual energy consumption under colder climate conditions																
		Sound power level L _{WA} , outdoor															Sound power level L _{WA} , outdoor																
PUZ-SWM60VAA	EHS-****D	✓	A++	6	126	3834	41	6	6	111	150	5181	2093	54	✓	A+++	6	181	2701	41	6	6	135	208	4284	1519	54						
	ERSD-****D	✓	A++	6	128	3779	41	6	6	112	155	5147	2027	54	✓	A+++	6	184	2646	41	6	6	136	218	4251	1453	54						
PUZ-SWM80VAA	EHS-****D	✓	A++	8	129	5016	41	8	8	111	162	6890	2584	54	✓	A+++	8	181	3599	41	8	8	141	219	5460	1928	54						
	ERSD-****D	✓	A++	8	130	4961	41	8	8	112	167	6857	2517	54	✓	A+++	8	184	3543	41	8	8	142	227	5427	1862	54						
PUZ-SWM80YAA	EHS-****D	✓	A++	8	128	5053	41	8	8	111	160	6923	2629	54	✓	A+++	8	179	3636	41	8	8	141	214	5493	1973	54						
	ERSD-****D	✓	A++	8	130	4972	41	8	8	112	166	6875	2532	54	✓	A+++	8	183	3555	41	8	8	142	225	5444	1876	54						
PUZ-SWM100VAA	EHS-****D	✓	A++	10	132	6106	41	10	10	109	156	8813	3362	58	✓	A+++	10	178	4564	41	10	10	147	223	6575	2369	58						
	ERSD-****D	✓	A++	10	134	6051	41	10	10	109	159	8780	3296	58	✓	A+++	10	180	4509	41	10	10	147	229	6555	2302	58						
PUZ-SWM100YAA	EHS-****D	✓	A++	10	132	6141	41	10	10	109	154	8840	3405	58	✓	A+++	10	177	4600	41	10	10	146	219	6601	2411	58						
	ERSD-****D	✓	A++	10	133	6061	41	10	10	109	159	8791	3308	58	✓	A+++	10	180	4519	41	10	10	147	228	6565	2314	58						
PUZ-SWM120VAA	EHS-****D	✓	A++	12	131	7450	41	12	12	109	154	10673	4115	58	✓	A+++	12	177	5566	41	12	12	141	221	8290	2882	58						
	ERSD-****D	✓	A++	12	132	7395	41	12	12	109	157	10640	4049	58	✓	A+++	12	178	5511	41	12	12	141	227	8257	2816	58						
PUZ-SWM120YAA	EHS-****D	✓	A++	12	131	7485	41	12	12	109	153	10698	4157	58	✓	A+++	12	176	5600	41	12	12	140	218	8316	2922	58						
	ERSD-****D	✓	A++	12	132	7404	41	12	12	109	156	10649	4060	58	✓	A+++	12	178	5520	41	12	12	141	226	8267	2825	58						
PUZ-SWM140VAA	EHS-****D	✓	A++	14	134	8438	41	14	14	104	150	12843	4893	58	✓	A+++	14	175	6483	41	14	14	132	219	10250	3367	58						
	ERSD-****D	✓	A++	14	135	8383	41	14	14	105	152	12810	4826	58	✓	A+++	14	177	6428	41	14	14	132	224	10217	3301	58						
PUZ-SWM140YAA	EHS-****D	✓	A++	14	134	8473	41	14	14	104	149	12867	4934	58	✓	A+++	14	175	6517	41	14	14	131	217	10275	3407	58						
	ERSD-****D	✓	A++	14	135	8392	41	14	14	105	152	12819	4837	58	✓	A+++	14	177	6437	41	14	14	132	223	10226	3310	58						
PUZ-SHWM60VAA	EHS-****D	✓	A++	6	129	3761	41	6	6	115	159	4993	1980	54	✓	A+++	6	184	2655	41	6	6	138	220	4202	1437	54						
	ERSD-****D	✓	A++	6	131	3706	41	6	6	116	165	4960	1914	54	✓	A+++	6	188	2600	41	6	6	139	231	4168	1371	54						
PUZ-SHWM80VAA	EHS-****D	✓	A++	8	132	4904	41	8	8	115	167	6705	2521	54	✓	A+++	8	184	3530	41	8	8	146	225	5299	1874	54						
	ERSD-****D	✓	A++	8	133	4849	41	8	8	115	171	6672	2454	54	✓	A+++	8	187	3475	41	8	8	147	233	5266	1808	54						
PUZ-SHWM80YAA	EHS-****D	✓	A++	8	131	4941	41	8	8	114	164	6737	2566	54	✓	A+++	8	182	3568	41	8	8	145	220	5332	1920	54						
	ERSD-****D	✓	A++	8	133	4860	41	8	8	115	170	6689	2469	54	✓	A+++	8	187	3487	41	8	8	146	232	5284	1823	54						
PUZ-SHWM100VAA	EHS-****D	✓	A++	10	136	5936	41	10	10	116	164	8272	3204	58	✓	A+++	10	183	4444	41	10	10	149	236	6480	2233	58						
	ERSD-****D	✓	A++	10	138	5881	41	10	10	117	167	8239	3138	58	✓	A+++	10	185	4389	41	10	10	150	244	6447	2167	58						
PUZ-SHWM100YAA	EHS-****D	✓	A++	10	135	5972	41	10	10	116	162	8298	3246	58	✓	A+++	10	181	4480	41	10	10	149	232	6508	2276	58						
	ERSD-****D	✓	A++	10	137	5891	41	10	10	117	167	8250	3149	58	✓	A+++	10	185	4399	41	10	10	150	242	6459	2179	58						
PUZ-SHWM120VAA	EHS-****D	✓	A++	12	136	7169	41	12	12	117	161	9902	3952	58	✓	A+++	12	179	5481	41	12	12	149	232	7843	2753	58						
	ERSD-****D	✓	A++	12	138	7114	41	12	12	118	163	9869	3886	58	✓	A+++	12	181	5426	41	12	12	150	238	7810	2687	58						
PUZ-SHWM120YAA	EHS-****D	✓	A++	12	136	7204	41	12	12	117	159	9927	3995	58	✓	A+++	12	178	5516	41	12	12	149	238	7868	2793	58						
	ERSD-****D	✓	A++	12	137	7123	41	12	12	118	163	9878	3898	58	✓	A+++	12	181	5435	41	12	12	150	237	7819	2696	58						
PUZ-SHWM140VAA	EHS-****D	✓	A++	14	141	8021	41	14	14	115	156	11650	4715	58	✓	A+++	14	183	6227	41	14	14	153	225	8841	3219	58						
	ERSD-****D	✓	A++	14	142	7965	41	14	14	116	158	11617	4649	58	✓	A+++	14	184	6172	41	14	14	154	230	8807	3272	58						
PUZ-SHWM140YAA	EHS-****D	✓	A++	14	141	8055	41	14	14	115	154	11674	4757	58	✓	A+++	14	182	6262	41	14	14	153	222	8865	3319	58						
	ERSD-****D	✓	A++	14	142	7974	41	14	14	116	158	11625	4659	58	✓	A+++	14	184	6181	41	14	14	154	229	8816	3222	58						

	English	Deutsch	Français	Italiano	Espanol
	Nederlands	Svenska	Dansk	Português	Ελληνικά
	suomi	Čeština	Български	Polski	Ελληνικά
	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
1	builteunit	Utomhusenhet	Udenbuds enhed	unidad exterior	Εξωτερική μονάδα
	Ulkokotelo	Vänkomi jednotka	Външно тяло	jednostka zewnętrzna	-
2	indoor unit	Innengerät	unité intérieure	unità interna	unidad interior
	sisäyksikö	Innhusenhet	Indendets enhed	intende 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	mitteltemperaturapplikation	middletemperatuurapplicatie	a aplicación a media temperatura	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	średniośredni aplikacje	среднотемпературного применения	zastosowania 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
	alagennälämpötilan sovellus	ładziennotemperaturowe aplikacje	l'application à basse température	a aplicación a baixa temperatura	η εφαρμογή σε υψηλή θερμοκρασία
5	Overeigen capaciteitsprofiel	Aangerezen lastprofiel	Profil de soudeage décalé	Profilo di carico sfalsato	Perífil de carga desfasado
	limoietulu kuormitusprofiili	Deklarovaný zatěžovací profil	Audnet loadingsprofil	Perífil de carga adelantado	Διημερήσιο προφίλ φόρτου
	Seasonal space heating energy efficiency class	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	A classe de eficiência energética sazonal (em condições climáticas médias)	la clase de eficiencia energética estacional de calefacción
6	de seizoenverbruikonder energie-efficiëntieklasse voor ruimteverwarming	saisonverbruikonder energie-efficiëntieklasse voor ruimteverwarming	la classe for heating/cooling/heat and cooling/cooling	A classe de eficiência energética do aquecimento ambiente sazonal	η τρέφι εξεργειακή απόδοση της εποχιακής θερμότητας χώρου
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la classe de efficacité énergétique du chauffage de l'eau	la classe de eficiencia energética del riscaldamento dell'acqua
	Water heating energy efficiency class	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe for heating/cooling/heat and cooling/cooling	A classe de eficiência energética do aquecimento de água	η τρέφι εξεργειακή απόδοση της θερμότητας θερμότητας
7	de energie-efficiëntieklasse voor waterverwarming	die energie-efficiëntieklasse voor waterverwarming	la classe for heating/cooling/heat and cooling/cooling	la classe de efficacité énergétique du chauffage de l'eau	-
	vedenlämmitykseen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Itta energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Itta energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la classe de efficacité énergétique du chauffage de l'eau	-
8	Rated heat output under average climate conditions	die Warmtemleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potenza termica nominale (in condizioni climatiche medie)	la potencia calorífica nominal (en condiciones climáticas medias)
	de nominale warmteafgite (onder gemiddelde klimaatomstandigheden)	den nominale varmling varmling (under gemitteltilliga klimaatomstandigheden)	den nominale varmling (under gemitteltilliga klimaatomstandigheden)	A potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	For space heating, annual energy consumption under average climate conditions	für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
9	voor ruimteverwarming, het jaarlijkse energieverbruik (onder gemiddelde klimaatomstandigheden)	For ruimteverwarming, årlig energiforbruk (under gemitteltilliga klimaatomstandigheden)	pour le chauffage de l'eau, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	Iltaimittimykseen vuotuinen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	pro vutären – rodti spotföva energie za priemerich klimatickych podmínek	za opotlenie, godishnoo potrebienie na energiya (pri sredni klimatichni uslovia)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	Water heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
10	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde klimaatomstandigheden)	For vattenuppvärmning, årlig elförbrukning (under gemitteltilliga klimaatomstandigheden)	for vanderformarming det årlige elförbruk (under gemitteltilliga klimaatomstandigheden)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	vedenlämmitykseen vuotuinen sähkökylökuss (keskimääräisessä ilmast-oolosuhteissa)	pro otlev vodu – rodti spotföva elektrické energie za priemerich klimatickych podmínek	za podgrivane na voda, godishnoo potrebienie (pri sredni klimatichni uslovia)	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	Seasonal space heating energy efficiency under average climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
11	de seizoenverbruikonder energie-efficiëntie voor ruimteverwarming (onder gemiddelde klimaatomstandigheden)	Saisonverbruikonder energie-efficiëntieklasse voor ruimteverwarming (under gemitteltilliga klimaatomstandigheden)	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	sezonni energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	Water heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
12	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	Energieefficiëntie voor vattenuppvärmning (under gemitteltilliga klimaatomstandigheden)	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
	vedenlämmitykseen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	la potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλιματικό ουαθήκς)
13	Sound power level L _{WA} indoor	der Schalleistungspegel L _{WA} in Gebäuden	le niveau de puissance acoustique L _{WA} à l'intérieur	il livello di potenza sonora L _{WA} all'interno	el nivel de potencia acústica L _{WA} en interiores
	het geluidswaarniveau L _{WA} binnen	Ludeistefektiva L _{WA} i inomhus	l'udestefektiva L _{WA} i inde	O nível de potencia sonora L _{WA} no interior	η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
	Ääniteho L _{WA} sisällä	hadina akustického výkonu L _{WA} ve vnitřním prostoru	hadina akustického výkonu L _{WA} ve vnitřním prostoru	rodum pouz akustického L _{WA} w pomieszczeniu	l'udovon solamente durante las horas de baja demanda
14	Work only during off-peak hours	dasas istandarde under perioden med lag belastning	l'usage iden for spidsbelastningsperioder	l'usage soltanto durante le ore notte	l'udovon rdo etos, tva vovon odvrit
	komman anovastan kuluisturpujen ulkoruotele	provoz pouze mimo špičku	работи само в часовате нван върхуваго неговарване	de tipovost enpazante fora das horas de pico	de tipovost enpazante fora das horas de pico
	Rated heat output under colder climate conditions	die Warmtemleistung bei kalteren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus froides	la potencia termica nominal (em condições climáticas mais frias)	la potencia calorífica nominal en condiciones climáticas más frías
15	de nominale warmteafgite, onder koude klimaatomstandigheden	Nominel ägven varmling vid kallare klimaatomstandigheten	den nominale varmling vid kallare klimaatomstandigheten	A potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Rated heat output under warmer climate conditions	die Warmtemleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia calorífica nominal (em condições climáticas mais quentes)	la potencia calorífica nominal en condiciones climáticas más calidas
16	de nominale warmteafgite, onder warmere klimaatomstandigheden	Nominel ägven varmling vid varmare klimaatomstandigheten	den nominale varmling vid varmare klimaatomstandigheten	A potencia calorífica nominal (em condições climáticas mais quentes)	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές ουαθήκς
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la potencia calorífica nominal (em condições climáticas mais quentes)	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές ουαθήκς
	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, den jährliche Energieverbrauch bei kalteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
17	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere klimaatomstandigheden	For ruimteverwarming, årlig energiforbruk under kallare klimaatomstandigheten	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Iltaimittimykseen vuotuinen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	pro vutären – rodti spotföva energie za chladnejši klimatickych podmínek	za opotlenie, godishnoo potrebienie na energiya (pri sredni klimatichni uslovia)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, den jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
18	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden	For ruimteverwarming, årlig energiforbruk under varmare klimaatomstandigheten	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Iltaimittimykseen vuotuinen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	pro vutären – rodti spotföva energie za tepeljšich klimatickych podmínek	za opotlenie, godishnoo potrebienie na energiya (pri sredni klimatichni uslovia)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	For water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, den jährliche Stromverbrauch bei kalteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koude klimaatomstandigheden	For vattenuppvärmning, årlig elförbrukning under kallare klimaatomstandigheten	for vanderformarming det årlige elförbruk (under kallare klimaatomstandigheten)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	vedenlämmitykseen vuotuinen sähkökylökuss (keskimääräisessä ilmast-oolosuhteissa)	pro otlev vodu – rodti spotföva elektrické energie za chladnejši klimatickych podmínek	za podgrivane na voda, godishnoo potrebienie na elektroenergiu (pri po-studenim klimatickych podmínek)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	For water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, den jährliche Stromverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
20	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	For vattenuppvärmning, årlig elförbrukning under varmare klimaatomstandigheten	for vanderformarming det årlige elförbruk (under varmare klimaatomstandigheten)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	vedenlämmitykseen vuotuinen sähkökylökuss (keskimääräisessä ilmast-oolosuhteissa)	pro otlev vodu – rodti spotföva elektrické energie za tepeljšich klimatickych podmínek	za podgrivane na voda, godishnoo potrebienie na elektroenergiu (pri po-studenim klimatickych podmínek)	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Seasonal space heating energy efficiency under colder climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kalteren Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
21	de seizoenverbruikonder energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Saisonverbruikonder energie-efficiëntieklasse voor ruimteverwarming onder kallare klimaatomstandigheten	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	sezonni energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Seasonal space heating energy efficiency under warmer climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
22	de seizoenverbruikonder energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden	Saisonverbruikonder energie-efficiëntieklasse voor ruimteverwarming onder varmare klimaatomstandigheten	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Iltaimittimykseen kuusitaitainen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	sezonni energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Water heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kalteren Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
23	de energie-efficiëntie voor waterverwarming onder koude klimaatomstandigheden	Energieefficiëntie voor vattenuppvärmning under kallare klimaatomstandigheten	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	vedenlämmitykseen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
24	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieefficiëntie voor vattenuppvärmning under varmare klimaatomstandigheten	la classe for heating/cooling/heat and cooling/cooling	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	vedenlämmitykseen energiatilokkuss (keskimääräisessä ilmast-oolosuhteissa)	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	energiasika účinnost otlevu vodu za priemerich klimatickych podmínek	la potencia calorífica nominal (em condições climáticas mais frias)	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές ουαθήκς
	Sound power level L _{WA} outdoor	der Schalleistungspegel L _{WA} im Freien	le niveau de puissance acoustique L _{WA} à l'extérieur	il livello di potenza sonora L _{WA} all'esterno	el nivel de potencia acústica L _{WA} en exteriores
25	het geluidswaarniveau L _{WA} buiten	Ludeistefektiva L _{WA} utomhus	l'udestefektiva L _{WA} utomhus	O nível de potencia sonora L _{WA} no exterior	η στάθμη ηχητικής ισχύος L _{WA} εξωτερικού χώρου
	Ääniteho L _{WA} ulkona	hadina akustického výkonu L _{WA} ve venkovním prostoru	hadina akustického výkonu L _{WA} ve venkovním prostoru	rodum pouz akustického L _{WA} na zemi	-

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	128	%
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	2.27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.4	kW	Tj = + 2 °C	COPd	3.19	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.18	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	2.8	kW	Tj = +12 °C	COPd	5.79	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	2.27	-
Tj = operation limit temperature (***)	Pdh	7.4	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.6	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	dB				
Annual energy consumption	Q _{HE}	5053	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Keciikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre – Manisa, Turkey

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



Kenichi SAITO
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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	179	%
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	3.20	-
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	5.61	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.0	kW	Tj = +12 °C	COPd	6.19	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	3.20	-
Tj = operation limit temperature (***)	Pdh	7.5	kW	Tj = operation limit temperature (***)	COPd	2.63	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.5	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	dB			
Annual energy consumption	Q _{HE}	3636	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh			
Annual electricity consumption	AEC	1417	kWh			

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre – Manisa, Turkey

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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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	111	%
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	2.60	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.3	kW	Tj = + 7 °C	COPd	4.80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	6.65	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	1.45	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.35	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.45	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	6923	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	141	%
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	3.43	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	3.8	kW	Tj = + 2 °C	COPd	4.15	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.5	kW	Tj = + 7 °C	COPd	5.45	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	7.40	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	5493	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Keciikoyosb 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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(**) 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-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	160	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8.0	kW	T _j = + 2 °C	COP _d	2.00	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	3.48	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.00	-
T _j = operation limit temperature (***)	P _{dh}	8.0	kW	T _j = operation limit temperature (***)	COP _d	2.00	-
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	T _{designh}	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	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	dB				
Annual energy consumption	Q _{HE}	2629	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				

Contact details

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	214	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8.0	kW	T _j = + 2 °C	COP _d	3.65	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	5.05	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.7	kW	T _j = +12 °C	COP _d	7.12	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	3.65	-
T _j = operation limit temperature (***)	P _{dh}	8.0	kW	T _j = operation limit temperature (***)	COP _d	3.65	-
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	T _{designh}	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	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	dB				
Annual energy consumption	Q _{HE}	1973	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	128	%
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	2.27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.4	kW	Tj = + 2 °C	COPd	3.19	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.18	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	2.8	kW	Tj = +12 °C	COPd	5.79	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	2.27	-
Tj = operation limit temperature (***)	Pdh	7.4	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.6	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	dB				
Annual energy consumption	Q _{HE}	5053	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh				
Annual electricity consumption	AEC	1417	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	no	
Heat pump combination heater:	yes	
Parameters for	low-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	179	%
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	3.20	-
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	5.61	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.0	kW	Tj = +12 °C	COPd	6.19	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	3.20	-
Tj = operation limit temperature (***)	Pdh	7.5	kW	Tj = operation limit temperature (***)	COPd	2.63	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.5	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	dB			
Annual energy consumption	Q _{HE}	3636	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh			
Annual electricity consumption	AEC	1417	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-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	111	%
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	2.60	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.3	kW	Tj = + 7 °C	COPd	4.80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	6.65	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	1.45	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.35	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.45	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	6923	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	141	%
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	3.43	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	3.8	kW	Tj = + 2 °C	COPd	4.15	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.5	kW	Tj = + 7 °C	COPd	5.45	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	7.40	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	5493	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	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.

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	160	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8.0	kW	T _j = + 2 °C	COP _d	2.00	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	3.48	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.00	-
T _j = operation limit temperature (***)	P _{dh}	8.0	kW	T _j = operation limit temperature (***)	COP _d	2.00	-
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	T _{designh}	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	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	dB				
Annual energy consumption	Q _{HE}	2629	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Keciikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre – Manisa, Turkey

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

Kenichi SAITO

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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-SWM80YAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	214	%
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	3.65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	5.1	kW	Tj = + 7 °C	COPd	5.05	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.7	kW	Tj = +12 °C	COPd	7.12	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	3.65	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3.65	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°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}	0.022	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	dB				
Annual energy consumption	Q _{HE}	1973	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				

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P_{designh}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

(***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j 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-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	130	%
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	2.27	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.4	kW	Tj = + 2 °C	COPd	3.19	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.18	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	2.8	kW	Tj = +12 °C	COPd	5.79	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	2.27	-
Tj = operation limit temperature (***)	Pdh	7.4	kW	Tj = operation limit temperature (***)	COPd	1.83	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.6	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	dB				
Annual energy consumption	Q _{HE}	4972	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh				
Annual electricity consumption	AEC	1417	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters for	low-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	183	%
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	3.20	-
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	5.61	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.0	kW	Tj = +12 °C	COPd	6.19	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.1	kW	Tj = bivalent temperature	COPd	3.20	-
Tj = operation limit temperature (***)	Pdh	7.5	kW	Tj = operation limit temperature (***)	COPd	2.63	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.5	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	dB			
Annual energy consumption	Q _{HE}	3555	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	6.450	kWh			
Annual electricity consumption	AEC	1417	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	112	%
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	2.60	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.3	kW	Tj = + 7 °C	COPd	4.80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	6.65	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	1.45	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.35	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.45	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	6875	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				

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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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	142	%
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	3.43	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	3.8	kW	Tj = + 2 °C	COPd	4.15	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	4.5	kW	Tj = + 7 °C	COPd	5.45	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	3.1	kW	Tj = +12 °C	COPd	7.40	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	4.7	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.5	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.3	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	dB				
Annual energy consumption	Q _{HE}	5444	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.000	kWh				
Annual electricity consumption	AEC	1759	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.

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	166	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8.0	kW	T _j = + 2 °C	COP _d	2.00	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	3.48	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.00	-
T _j = operation limit temperature (***)	P _{dh}	8.0	kW	T _j = operation limit temperature (***)	COP _d	2.00	-
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	T _{designh}	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	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	dB				
Annual energy consumption	Q _{HE}	2532	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				

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P_{designh}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

(***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j 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-SWM80YAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	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 T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8.0	kW	T _j = + 2 °C	COP _d	3.65	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	5.05	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.7	kW	T _j = +12 °C	COP _d	7.12	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	3.65	-
T _j = operation limit temperature (***)	P _{dh}	8.0	kW	T _j = operation limit temperature (***)	COP _d	3.65	-
Bivalent temperature	T _{biv}	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	T _{designh}	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	0.0	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	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 54	dB				
Annual energy consumption	Q _{HE}	1876	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	149	%
Daily electricity consumption	Q _{elec}	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Keciikoyosb 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.

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