



ENERG
енергия · ενεργεια



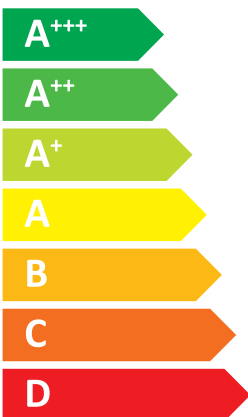
Indoor unit
Outdoor unit

E*SD-****D
PUZ-SWM140VAA



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



41 dB



58 dB

■ 14
■ **14**
■ 14
kW

■ 14
■ **14**
■ 14
kW



2019

811/2013

DG79V342H08



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.

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	Seasonal space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{WA} indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under warmer 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 warmer 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} outdoor	Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating, annual energy consumption under average climate conditions	Sound power level L _{WA} indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under warmer 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 warmer 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} outdoor											
PUZ-SWM60VAA	EHSD-****	✓	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	184	2646	41	6	6	136	218	4251	1453	54
	ERSD-****	✓	A++	6	128	3779	41	6	6	112	155	5147	2027	54	✓	A+++	6	184	2646	41	6	6	136	218	4251	1453	54	✓	A+++	6	184	2646	41	6	6	136	218	4251	1453	54
PUZ-SWM80VAA	EHSD-****	✓	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	181	3599	41	8	8	141	219	5460	1928	54
	ERSD-****	✓	A++	8	130	4961	41	8	8	112	167	6857	2517	54	✓	A+++	8	184	3543	41	8	8	142	227	5427	1862	54	✓	A+++	8	184	3543	41	8	8	142	227	5427	1862	54
PUZ-SWM80YAA	EHSD-****	✓	A++	8	128	5053	41	8	8	111	160	6923	2629	54	✓	A+++	8	179	3636	41	8	8	141	214	5493	1973	54	✓	A+++	8	179	3636	41	8	8	141	214	5493	1973	54
	ERSD-****	✓	A++	8	130	4972	41	8	8	112	166	6875	2532	54	✓	A+++	8	183	3555	41	8	8	142	225	5444	1976	54	✓	A+++	8	183	3555	41	8	8	142	225	5444	1976	54
PUZ-SWM100VAA	EHSD-****	✓	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	180	4509	41	10	10	147	229	6555	2302	58
	ERSD-****	✓	A++	10	134	6051	41	10	10	109	159	8780	3296	58	✓	A+++	10	180	4509	41	10	10	147	229	6555	2302	58	✓	A+++	10	180	4509	41	10	10	147	229	6555	2302	58
PUZ-SWM100YAA	EHSD-****	✓	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	177	4600	41	10	10	146	219	6601	2411	58
	ERSD-****	✓	A++	10	133	6061	41	10	10	109	159	8791	3308	58	✓	A+++	10	180	4519	41	10	10	147	228	6565	2314	58	✓	A+++	10	180	4519	41	10	10	147	228	6565	2314	58
PUZ-SWM120VAA	EHSD-****	✓	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	177	5566	41	12	12	141	221	8290	2882	58
	ERSD-****	✓	A++	12	132	7395	41	12	12	109	157	10640	4049	58	✓	A+++	12	178	5511	41	12	12	141	227	8257	2816	58	✓	A+++	12	178	5511	41	12	12	141	227	8257	2816	58
PUZ-SWM120YAA	EHSD-****	✓	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	176	5600	41	12	12	140	218	8316	2922	58
	ERSD-****	✓	A++	12	132	7404	41	12	12	109	156	10649	4060	58	✓	A+++	12	178	5520	41	12	12	141	226	8267	2825	58	✓	A+++	12	178	5520	41	12	12	141	226	8267	2825	58
PUZ-SWM140VAA	EHSD-****	✓	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	175	6483	41	14	14	132	219	10250	3367	58
	ERSD-****	✓	A++	14	135	8383	41	14	14	105	152	12810	4826	58	✓	A+++	14	177	6428	41	14	14	132	224	10217	3301	58	✓	A+++	14	177	6428	41	14	14	132	224	10217	3301	58
PUZ-SWM140YAA	EHSD-****	✓	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	175	6517	41	14	14	131	217	10275	3407	58
	ERSD-****	✓	A++	14	135	8392	41	14	14	105	152	12819	4837	58	✓	A+++	14	177	6437	41	14	14	132	223	10226	3310	58	✓	A+++	14	177	6437	41	14	14	132	223	10226	3310	58
PUZ-SHWM60VAA	EHSD-****	✓	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	184	2655	41	6	6	138	220	4202	1437	54
	ERSD-****	✓	A++	6	131	3706	41	6	6	116	165	4960	1914	54	✓	A+++	6	188	2600	41	6	6	139	231	4168	1371	54	✓	A+++	6	188	2600	41	6	6	139	231	4168	1371	54
PUZ-SHWM80VAA	EHSD-****	✓	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	184	3530	41	8	8	146	225	5299	1874	54
	ERSD-****	✓	A++	8	133	4849	41	8	8	115	171	6672	2454	54	✓	A+++	8	187	3475	41	8	8	147	233	5266	1808	54	✓	A+++	8	187	3475	41	8	8	147	233	5266	1808	54
PUZ-SHWM80YAA	EHSD-****	✓	A++	8	131	4941	41	8	8	114	164	6737	2566	54	✓	A+++	8	182	3568	41	8	8	145	220	5332	1920	54	✓	A+++	8	182	3568	41	8	8	145	220	5332	1920	54
	ERSD-****	✓	A++	8	133	4860	41	8	8	115	170	6689	2469	54	✓	A+++	8	187	3487	41	8	8	146	232	5284	1823	54	✓	A+++	8	187	3487	41	8	8	146	232	5284	1823	54
PUZ-SHWM100VAA	EHSD-****	✓	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	183	4444	41	10	10	149	236	6480	2233	58
	ERSD-****	✓	A++	10	138	5881	41	10	10	117	167	8239	3138	58	✓	A+++	10	185	4399	41	10	10	150	244	6447	2167	58	✓	A+++	10	185	4399	41	10	10	150	244	6447	2167	58
PUZ-SHWM100YAA	EHSD-****	✓	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	181	4480	41	10	10	149	232	6508	2276	58
	ERSD-****	✓	A++	10	137	5891	41	10	10	117	167	8250	3149	58	✓	A+++	10	185	4399	41	10	10	150	242	6459	2179	58	✓	A+++	10	185	4399	41	10	10	150	242	6459	2179	58
PUZ-SHWM120VAA	EHSD-****	✓	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	179	5481	41	12	12	149	232	7843	2753	58
	ERSD-****	✓	A++	12	138	7114	41	12	12	118	163	9869	3886	58	✓	A+++	12	181	5426	41	12	12	150	238	7810	2687	58	✓	A+++	12	181	5426	41	12	12	150	238	7810	2687	58
PUZ-SHWM120YAA	EHSD-****	✓	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	178	5516	41	12	12	149	228	7868	2793	58
	ERSD-****	✓	A++	12	137	7123	41	12	12	118	163	9878	3898	58	✓	A+++	12	181	5435	41	12	12	150	237	7819	2696	58	✓	A+++	12	181	5435	41	12	12	150	237	7819	2696	58
PUZ-SHWM140VAA	EHSD-****	✓	A++	14	141	8021	41	14	14	115	156	11650	4715	58	✓	A+++	14	183	6227	41	14	14	153	225	8841	3279	58	✓	A+++	14	183	6227	41	14	14	153	225	8841	3279	58
	ERSD-****	✓	A++	14	142	7965	41	14	14	116	158	11617	4649	58	✓	A+++	14	184	6172	41	14	14	154	230	8807	3212	58	✓	A+++	14	184	6172	41	14	14	154	230	8807	3212	58
PUZ-SHWM140YAA	EHSD-****	✓	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	182	6262	41	14	14	153	222	8865	3319	58
	ERSD-****	✓	A++	14	142	7974	41	14	14	116	158	11625	4659	58	✓	A+++	14	184	6181	41	14	14	154	229	8816	3292	58	✓	A+++	14	184	6181	41	14	14	154	229	8816	3292	58

	English	Deutsch	Français	Italiano	Espanol
	Nederlands	Svenska	Dansk	Português	Ελληνικά
	suomi	Čeština	Български	Foortuuss	Ελληνικά
	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
1	builteunit	Utomhusenhet	Udenbuds enhed	unidad exterior	Εξωτερική μονάδα
	Ulkokotiteko	Vänkonst i fjärrkyla	Внутреннее устройство	jednostka zewnętrzna	-
2	indoor unit	Innengerät	unité intérieure	unità interna	unidad interior
	sisäyksikö	Innenkühlschalt	Indendets enhed	intende interior	Εσωτερική μονάδα
	Sisäyksikö	Värmepump	Внутреннее устройство	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	middle-temperatureapplikation	middle-temperatureapplikation	a aplicación a media temperatura	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	Nieder-temperaturanwendung	среднотемпературное применение	zastosowania w średnich temperaturach	η εφαρμογή σε χαμηλή θερμοκρασία
4	low-temperature application	Nieder-temperaturanwendung	l'application à basse température	la aplicación a bassa temperatura	la aplicación de baja temperatura
	lagedämpötilan sovellus	Indertemperaturapplikation	l'application à basse température	a aplicación a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
5	Decided load profile	Ausgewiesenes Lastprofil	Profil de soudeage decalé	Profilo di carico sfalsato	Período de carga desfasado
	Sprekregen capaciteersprofiel	Deklaratied lastprofiel	Ардулет товарного профиля	Período de carga desfasado	Διευθετικό προφίλ φορτίου
	limoientu kuormitusprofiili	Deklaratied lastprofiel	Объявлен товарный профиль	Declaração do perfil declarado	-
	Seasonal space heating energy efficiency class	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	la classe de eficiência energética sazonal	la classe de eficiência energética sazonal
6	de seizoenopgebonden energie-efficiëntieklasse voor ruimteverwarming	saisonsgesetste energie-efficiëntieklasse voor ruimteverwarming	la classe d'efficacité énergétique pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	la classe de eficiência energética do aquecimento ambiente sazonal	η τρέψη ενεργειακής απόδοσης της εποχιακής θερμότητας χώρου
	Iläämmityksen kuuleminen energiatuokkuluksella (limatesto-olosuhteissa)	Iläämmityksen kuuleminen energiatuokkuluksella (limatesto-olosuhteissa)	la classe d'efficacité énergétique pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	la classe de eficiência energética do aquecimento ambiente sazonal	la classe de eficiência energética do aquecimento ambiente sazonal
	Water heating energy efficiency class	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe de eficiência energética do aquecimento de água	η τρέψη ενεργειακής απόδοσης θερμότητας χώρου
7	de energie-efficiëntieklasse voor waterverwarming	die energie-efficiëntieklasse voor waterverwarming	la classe d'efficacité énergétique pour le chauffage de l'eau	la classe de eficiência energética do aquecimento de água	-
	vedelämmityksen energiatuokkuluksella	Iläämmityksen energiatuokkuluksella	la classe d'efficacité énergétique pour le chauffage de l'eau	la classe de eficiência energética do aquecimento de água	-
8	Rated heat output under average climate conditions	die Wärmeleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)	la potencia calorífica nominal (en condiciones climáticas medias)
	de nominale warmteafvoer (onder gemiddelde klimaatomstandigheden)	den nominale warmteafvoer (onder gemiddelde klimaatomstandigheden)	den nominale puissance (under gemiddeltillige klimaatforhold)	A potencia calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλίμα της θερμότητας)
	Ilämmälämpöteho keskimääräisissä ilmastio-olosuhteissa	Ilämmälämpöteho keskimääräisissä ilmastio-olosuhteissa	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (στο μέσο κλίμα της θερμότητας)
	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)	para o aquecimento de água, o consumo anual de electricidade em condições climáticas médias	για την θερμότητα χώρου, η ετήσια καταναλωμένη ηλεκτρική ενέργεια (στο μέσο κλίμα της θερμότητας)
10	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde klimaatomstandigheden)	For water heating, annual electricity consumption under average climate conditions	for water heating, annual electricity consumption under average climate conditions	para o aquecimento de água, o consumo anual de electricidade em condições climáticas médias	-
	vedelämmitykseen vuotuinen sähkökulutus (keskimääräisissä ilmastio-olosuhteissa)	For water heating, annual electricity consumption under average climate conditions	for water heating, annual electricity consumption under average climate conditions	para o aquecimento de água, o consumo anual de electricidade em condições climáticas médias	-
11	Seasonal space heating energy efficiency under average climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	la eficiencia energética estacional de calefacción en condiciones climáticas medias
	de seizoenopgebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde klimaatomstandigheden)	Saisonsgesetste energie-efficiëntie voor ruimteverwarming (under gemiddeltillige klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ενεργειακή απόδοση της εποχιακής θερμότητας χώρου (στο μέσο κλίμα της θερμότητας)
	Ilämmityksen kuuleminen energiatuokkuluksella (keskimääräisissä ilmastio-olosuhteissa)	sezonni energiatuokkuluksella (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	-
	Water heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	la eficiencia energética del calentador de agua (en condiciones climáticas medias)
12	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	Energieefficiëntie voor waterverwarming (under gemiddeltillige klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia calorífica nominal (em condições climáticas médias)	η ενεργειακή απόδοση θερμότητας χώρου (στο μέσο κλίμα της θερμότητας)
	vedelämmitykseen energiatuokkuluksella (keskimääräisissä ilmastio-olosuhteissa)	energetická účinnost ohřevu vody za průměrných klimatických podmínek	energiatutkuus keskimääräisissä ilmastio-olosuhteissa	la potencia calorífica nominal (em condições climáticas médias)	-
13	Sound power level L _{WA} indoor	der Schalleistungspegel L _{WA} in Gebäuden	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
	hät gelydsvärde inomhus	hät gelydsvärde inomhus	le niveau de puissance acoustique L _{WA} à l'intérieur	O nível de potência sonora L _{WA} no interior	η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
	Ääniteho L _{WA} sisällä	hät gelydsvärde inomhus	le niveau de puissance acoustique L _{WA} à l'intérieur	o nível de potência sonora L _{WA} no interior	η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
14	Work only during off-peak hours	das Gerät ist nur während der Off-Peak-Stunden zu betreiben	fonctionner uniquement pendant les heures creuses	funcionar somente durante las horas de baja demanda	funcionar solamente durante las horas de baja demanda
	Work only during off-peak hours	das Gerät ist nur während der Off-Peak-Stunden zu betreiben	fonctionner uniquement pendant les heures creuses	funcionar somente durante las horas de baja demanda	λειτουργία μόνο εκτός των ωρών αιχμής
	komman anpassat kullastusrapien ulkoilma-olosuhteissa	provoz pouze mimo špičku	travailler uniquement pendant les heures creuses	de funcionar en las horas de baja demanda	-
	Rated heat output under colder climate conditions	die Wärmeleistung bei kälteren Klimaverhältnissen	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	Nominale warmteafvoer (under koudere klimaatomstandigheden)	la puissance thermique nominale, dans les conditions climatiques plus froides	la potencia térmica nominal, en condiciones climáticas más frías	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	Ilämmälämpöteho, kylmissä ilmastio-olosuhteissa	Nominale warmteafvoer (under koudere klimaatomstandigheden)	la puissance thermique nominale, dans les conditions climatiques plus froides	la potencia térmica nominal, en condiciones climáticas más frías	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	Rated heat output under warmer climate conditions	die Wärmeleistung bei wärmeren Klimaverhältnissen	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 warmere klimaatomstandigheden	Nominale warmteafvoer (under wärmere klimaatomstandigheden)	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia térmica nominal, en condiciones climáticas más calidas	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
	Ilämmälämpöteho, lämpimissä ilmastio-olosuhteissa	Nominale warmteafvoer (under wärmere klimaatomstandigheden)	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia térmica nominal, en condiciones climáticas más calidas	-
	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para el calentamiento de ambiente, el consumo anual de energía en condiciones climáticas más frías	para calefación espacios, el consumo anual de energía en condiciones climáticas más frías
17	voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden	Für raumverwärmung, ählig elektricitätsverbrauch unter kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para el calentamiento de ambiente, el consumo anual de energía en condiciones climáticas más frías	για θερμότητα χώρου, η ετήσια καταναλωμένη ηλεκτρική ενέργεια υπό ψυχρότερες κλιματικές συνθήκες
	Ilämmitykseen vuotuinen energiatuokkuluksella kylmissä ilmastio-olosuhteissa	pro vřazení – roční spotřeba energie za chladnějších klimatických podmínek	for heating, annual energy consumption under colder climate conditions	para calefacción espacios, el consumo anual de energía en condiciones climáticas más frías	-
	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para el calentamiento de ambiente, el consumo anual de energía en condiciones climáticas más calidas	para calefacción espacios, el consumo anual de energía en condiciones climáticas más calidas
18	voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	Für raumverwärmung, ählig elektricitätsverbrauch unter wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para el calentamiento de ambiente, el consumo anual de energía en condiciones climáticas más calidas	η ενεργειακή απόδοση θερμότητας χώρου (στο μέσο κλίμα της θερμότητας)
	Ilämmitykseen vuotuinen energiatuokkuluksella lämpimissä ilmastio-olosuhteissa	pro vřazení – roční spotřeba energie za teplejších klimatických podmínek	for heating, annual energy consumption under warmer climate conditions	para el calentamiento de ambiente, el consumo anual de energía en condiciones climáticas más calidas	για θερμότητα χώρου, η ετήσια καταναλωμένη ηλεκτρική ενέργεια υπό θερμότερες κλιματικές συνθήκες
	For water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para el calentamiento de agua, el consumo anual de electricidad en condiciones climáticas más frías	para calefación agua, el consumo anual de electricidad en condiciones climáticas más frías
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden	Für wassererwärmung, ählig elektricitätsverbrauch unter kälteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	para el calentamiento de agua, el consumo anual de electricidad en condiciones climáticas más frías	για θερμότητα νερού, η ετήσια καταναλωμένη ηλεκτρική ενέργεια υπό ψυχρότερες κλιματικές συνθήκες
	vedelämmitykseen vuotuinen sähkökulutus kylmissä ilmastio-olosuhteissa	pro ohvru vodu – roční spotřeba elektrické energie za chladnějších klimatických podmínek	for water heating, annual electricity consumption under colder climate conditions	para calefacción agua, el consumo anual de electricidad en condiciones climáticas más frías	-
	For water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para el calentamiento de agua, el consumo anual de electricidad en condiciones climáticas más calidas	para calefación agua, el consumo anual de electricidad en condiciones climáticas más calidas
20	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	Für wassererwärmung, ählig elektricitätsverbrauch unter wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para el calentamiento de agua, el consumo anual de electricidad en condiciones climáticas más calidas	για θερμότητα νερού, η ετήσια καταναλωμένη ηλεκτρική ενέργεια υπό θερμότερες κλιματικές συνθήκες
	vedelämmitykseen vuotuinen sähkökulutus lämpimissä ilmastio-olosuhteissa	for water heating, annual electricity consumption under warmer climate conditions	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	para el calentamiento de agua, el consumo anual de electricidad en condiciones climáticas más calidas	-
21	Seasonal space heating energy efficiency under colder climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	la eficiencia energética estacional de calefacción en condiciones climáticas más frías
	de seizoenopgebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Saisonsgesetste energie-efficiëntie voor ruimteverwarming (under koudere klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	η ενεργειακή απόδοση της εποχιακής θερμότητας χώρου υπό ψυχρότερες κλιματικές συνθήκες
	Ilämmityksen kuuleminen energiatuokkuluksella kylmissä ilmastio-olosuhteissa	sezonni energiatuokkuluksella (for raumverwärmung under kälteren Klimaverhältnissen)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	η ενεργειακή απόδοση της εποχιακής θερμότητας χώρου υπό ψυχρότερες κλιματικές συνθήκες
	Seasonal space heating energy efficiency under warmer climate conditions	die Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	la eficiencia energética estacional de calefacción en condiciones climáticas más calidas
22	de seizoenopgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden	Saisonsgesetste energie-efficiëntie voor ruimteverwarming (under wärmere klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	η ενεργειακή απόδοση της εποχιακής θερμότητας χώρου υπό θερμότερες κλιματικές συνθήκες
	Ilämmityksen kuuleminen energiatuokkuluksella lämpimissä ilmastio-olosuhteissa	sezonni energiatuokkuluksella (for raumverwärmung under wärmeren Klimaverhältnissen)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	-
	Water heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
23	de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Energieefficiëntie voor waterverwarming (under kältere klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	η ενεργειακή απόδοση της θερμότητας νερού υπό ψυχρότερες κλιματικές συνθήκες
	vedelämmitykseen energiatuokkuluksella kylmissä ilmastio-olosuhteissa	energetická účinnost ohřevu vody za chladnějších klimatických podmínek	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	-
	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	la eficiencia energética de caldeo de agua en condiciones climáticas más calidas
24	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieefficiëntie voor waterverwarming (under wärmere klimaatforhold)	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	η ενεργειακή απόδοση της θερμότητας νερού υπό θερμότερες κλιματικές συνθήκες
	vedelämmitykseen energiatuokkuluksella lämpimissä ilmastio-olosuhteissa	energetická účinnost ohřevu vody za teplejších klimatických podmínek	la puissance thermique nominale (dans les conditions climatiques moyennes)	la potencia térmica nominal (en condiciones climáticas medias)	-
	Sound power level L _{WA} outdoor	der Schalleistungspegel L _{WA} im Freien	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 geluidsvormingsniveau L _{WA} buiten	Lüdefestkniveau L _{WA} utend	le niveau de puissance acoustique L _{WA} à l'extérieur	O nível de potência sonora L _{WA} no exterior	η στάθμη ηχητικής ισχύος L _{WA} εξωτερικού χώρου
	Ääniteho L _{WA} ulkona	hät gelydsvärde utend	le niveau de puissance acoustique L _{WA} à l'extérieur	O nível de potência sonora L _{WA} no exterior	-
	hät gelydsvormingsniveau L _{WA} buiten	hät gelydsvärde utend	le niveau de puissance acoustique L _{WA} à l'extérieur	O nível de potência sonora L _{WA} no exterior	-
	hät gelydsvormingsniveau L _{WA} buiten	hät gelydsvärde utend	le niveau de puissance acoustique L _{WA} à l'extérieur	O nível de potência sonora L _{WA} no exterior	-

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	134	%
Declared capacity for heating for part 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	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.3	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				

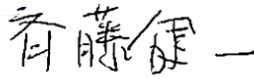
Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	8438	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			

• 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-SWM140VAA
	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	14.0	kW	Seasonal space heating energy efficiency	η_s	175	%			
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	12.4	kW	Tj = - 7 ° C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.1	kW	Tj = +12 ° C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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}	0.015	kW	Rated heat output (*)	P _{sup}	3.0	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	6483	kWh	-		2640	m ³ /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				

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-SWM140VAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	104	%
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}	8.5	kW	T _j = - 7 °C	COP _d	2.20	-
Degradation co-efficient (**)	C _{dh}	1.00	-	T _j = + 2 °C	COP _d	3.30	-
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	4.30	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = +12 °C	COP _d	6.60	-
T _j = + 7 °C	P _{dh}	4.4	kW	T _j = bivalent temperature	COP _d	1.60	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = operation limit temperature (***)	COP _d	1.20	-
T _j = +12 °C	P _{dh}	4.5	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.60	-
Degradation co-efficient (**)	C _{dh}	0.98	-	Operation limit temperature	TOL	-25	°C
T _j = bivalent temperature	P _{dh}	10.7	kW	Heating water operating limit temperature	WTOL	60	°C
T _j = operation limit temperature (***)	P _{dh}	8.0	kW				
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	10.5	kW				
Bivalent temperature	T _{biv}	-13	°C				
Reference design conditions for space heating	T _{designh}	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	12843	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
	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 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}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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	8.5	kW	Tj = - 7 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.60	-
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	7.60	-
Tj = + 7 °C	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = +12 °C	Pdh	4.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	11.8	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	9.2	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	11.4	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}	0.015	kW	Rated heat output (*)	Psup	4.8	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2640	m³/h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	10250	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			
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-SWM140VAA
	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	14.0	kW	Seasonal space heating energy efficiency	η_s	150	%			
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	14.0	kW	Tj = + 2 ° C	COPd	1.90	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	8.8	kW	Tj = + 7 ° C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	5.40	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	4893	kWh	-						
				2640						
				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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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	219	%			
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	14.0	kW	Tj = + 2 °C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	3367	kWh	-						
For heat pump combination heater:				2640						
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-SWM140VAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	135	%
Declared capacity for heating for part 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	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.3	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{T0}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				

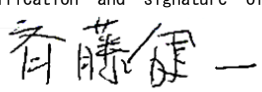
Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	8383	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-SWM140VAA
	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	14.0	kW	Seasonal space heating energy efficiency	η_s	177	%			
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	12.4	kW	Tj = - 7 ° C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.1	kW	Tj = +12 ° C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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}	0.015	kW	Rated heat output (*)	P _{sup}	3.0	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	6428	kWh	-		2640	m ³ /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-SWM140VAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	105	%
Declared capacity for heating for part 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	8.5	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.30	-
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.60	-
Tj = + 7 °C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 °C	Pdh	4.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	8.0	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	10.5	kW				
Bivalent temperature	Tbiv	-13	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	12810	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-SWM140VAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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	8.5	kW	Tj = - 7 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.60	-
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	7.60	-
Tj = + 7 °C	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = +12 °C	Pdh	4.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	11.8	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	9.2	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	11.4	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}	0.015	kW	Rated heat output (*)	Psup	4.8	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2640	m³/h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	10217	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				

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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-SWM140VAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	152	%			
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	14.0	kW	Tj = + 2 °C	COPd	1.90	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 °C	Pdh	8.8	kW	Tj = + 7 °C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = +12 °C	Pdh	5.5	kW	Tj = +12 °C	COPd	5.40	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	4826	kWh	-						
				2640						
				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							
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-SWM140VAA
	Indoor unit:	ERSD-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	224	%			
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	14.0	kW	Tj = + 2 ° C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	9.0	kW	Tj = + 7 ° C	COPd	5.01	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	5.1	kW	Tj = +12 ° C	COPd	7.01	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	3301	kWh	-						
For heat pump combination heater:				2640						
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				-						
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY				-						

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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-SWM140VAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	134	%
Declared capacity for heating for part 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	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 2 ° C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	6.3	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	3.9	kW	Tj = +12 ° C	COPd	6.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	8438	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:

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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	175	%			
Declared capacity for heating for part load at indoor 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	12.4	kW	Tj = - 7 ° C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.1	kW	Tj = +12 ° C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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}	0.015	kW	Rated heat output (*)	P _{sup}	3.0	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	6483	kWh	-	2640	m ³ /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-SWM140VAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	104	%
Declared capacity for heating for part load at indoor 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	8.5	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.30	-
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.60	-
Tj = + 7 °C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 °C	Pdh	4.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	8.0	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	10.5	kW				
Bivalent temperature	Tbiv	-13	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	12843	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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				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-SWM140VAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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}	8.5	kW	T _j = - 7 °C	COP _d	3.30	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = + 2 °C	COP _d	3.60	-
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = +12 °C	COP _d	7.60	-
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = bivalent temperature	COP _d	1.90	-
Degradation co-efficient (**)	C _{dh}	0.98	-	T _j = operation limit temperature (***)	COP _d	1.50	-
T _j = +12 °C	P _{dh}	4.5	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.90	-
Degradation co-efficient (**)	C _{dh}	0.98	-	Operation limit temperature	TOL	-25	°C
T _j = bivalent temperature	P _{dh}	11.8	kW	Heating water operating limit temperature	WTOL	60	°C
T _j = operation limit temperature (***)	P _{dh}	9.2	kW				
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	11.4	kW				
Bivalent temperature	T _{biv}	-16	°C				
Reference design conditions for space heating	T _{designh}	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	4.8	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	10250	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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	TURKEY

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(**) 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}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	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	14.0	kW	Seasonal space heating energy efficiency	η_s	150	%			
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	14.0	kW	Tj = + 2 °C	COPd	1.90	—			
Degradation co-efficient (**)	Cdh	1.00	—							
Tj = + 7 °C	Pdh	8.8	kW	Tj = + 7 °C	COPd	3.10	—			
Degradation co-efficient (**)	Cdh	1.00	—							
Tj = +12 °C	Pdh	5.5	kW	Tj = +12 °C	COPd	5.40	—			
Degradation co-efficient (**)	Cdh	0.99	—							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	—			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	—			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	4893	kWh	—						
For heat pump combination heater:				2640						
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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				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-SWM140VAA
	Indoor unit:	EHSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	219	%			
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	14.0	kW	Tj = + 2 °C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	3367	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 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-SWM140VAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	135	%
Declared capacity for heating for part 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	12.4	kW	Tj = - 7 °C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	7.5	kW	Tj = + 2 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	3.9	kW	Tj = +12 °C	COPd	6.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	8383	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 Keciilikoyosb 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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	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	14.0	kW	Seasonal space heating energy efficiency	η_s	177	%			
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	12.4	kW	Tj = - 7 ° C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 2 ° C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 ° C	Pdh	6.4	kW	Tj = + 7 ° C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 ° C	Pdh	4.1	kW	Tj = +12 ° C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
Bivalent temperature	Tbiv	-7	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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}	0.015	kW	Rated heat output (*)	Psup	3.0	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	6428	kWh			2640	m ³ /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				

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			
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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-SWM140VAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	105	%
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	8.5	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.30	-
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.60	-
Tj = + 7 °C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 °C	Pdh	4.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	8.0	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	10.5	kW				
Bivalent temperature	Tbiv	-13	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	12810	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-SWM140VAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for 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}	8.5	kW	T _j = - 7 °C	COP _d	3.30	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = + 2 °C	COP _d	3.60	-
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = +12 °C	COP _d	7.60	-
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = bivalent temperature	COP _d	1.90	-
Degradation co-efficient (**)	C _{dh}	0.98	-	T _j = operation limit temperature (***)	COP _d	1.50	-
T _j = +12 °C	P _{dh}	4.5	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.90	-
Degradation co-efficient (**)	C _{dh}	0.98	-	Operation limit temperature	TOL	-25	°C
T _j = bivalent temperature	P _{dh}	11.8	kW	Heating water operating limit temperature	WTOL	60	°C
T _j = operation limit temperature (***)	P _{dh}	9.2	kW				
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	11.4	kW				
Bivalent temperature	T _{biv}	-16	°C				
Reference design conditions for space heating	T _{designh}	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	4.8	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	10217	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 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}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	152	%			
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	14.0	kW	Tj = + 2 ° C	COPd	1.90	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	8.8	kW	Tj = + 7 ° C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = +12 ° C	Pdh	5.5	kW	Tj = +12 ° C	COPd	5.40	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-			
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-25	° C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	4826	kWh	-						
For heat pump combination heater:				2640						
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-SWM140VAA
	Indoor unit:	ERSD-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	224	%			
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	14.0	kW	Tj = + 2 °C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-			
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	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 / 58	dBA	Rated air flow rate, outdoors						
Annual energy consumption	Q _{HE}	3301	kWh	-						
				2640						
				m ³ /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				

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.