



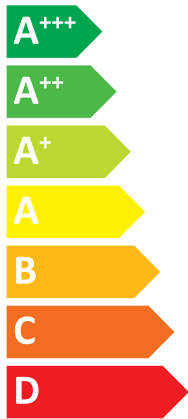
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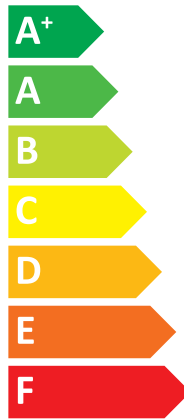


Indoor unit
Outdoor unit

E*ST30D-****D
PUZ-SHWM80VAA



A++



A+

Two icons showing sound power levels. The top icon shows a house with a speaker and the text "41 dB". The bottom icon shows a house with a speaker and the text "54 dB".



A legend for power consumption with three entries: a dark blue square labeled "08 kW", a medium blue square labeled "08 kW", and a light blue square labeled "08 kW".

2019

811/2013

DG79V341H29



PRODUCT FICHE

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

DG79A02MH01

Table 1: SPACE HEATER. Columns: Outdoor unit, Indoor unit, Medium-temperature application (3-25), For low-temperature application (4-25). Rows: PUZ-SWM60VAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA.

Table 2: COMBINATION HEATER. Columns: Outdoor unit, Indoor unit, Medium-temperature application (3-25), For low-temperature application (4-25). Rows: PUZ-SWM60VAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA.

English	German	French	Italian	Spanish
Nederlands	Svenska	Dansk	Portuguesa	Espanol
suomi	Castina	Български	Polski	Ελληνικά
Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
1	Utomhusenhet	Udenlands enhed	unidad exterior	Εξωτερική μονάδα
Ulkokeskus	Utomhusenhet	Внешний блок	república zewnątrzlokalna	unidad interior
2	Indoor unit	Indoor enhed	unidad interior	Εσωτερική μονάδα
Sammutusyksikö	Indoor enhed	Внутренний блок	república zewnątrzlokalna	Εσωτερική μονάδα
3	Medium-temperature application	Mitteltemperaturanwendung	републіка внутрішнього середнього температурного призначення	la aplicación de media temperatura
keskälämpötilan sovellus	Mitteltemperaturanwendung	middletemperature application	застосування в середній температурі	la aplicación de baja temperatura
4	Low-temperature application	Niedertemperaturanwendung	la aplicación a basse température	la aplicación de baja temperatura
alatalämpötilan sovellus	Niedertemperaturanwendung	lowtemperature application	la aplicación a baixa temperatura	la aplicación de alta temperatura
5	Designed load profile	Ausgewählte Lastprofil	profil de sarcină selectat	Perfil de carga diseñado
Suuretehtavien sarjakuormitus	Ausgewählte Lastprofil	Профил де sarcină selectat	Perfil de carga seleccionado	Дизайнерский профиль нагрузки
6	Seasonal space heating energy efficiency class	la classe de efficacité énergétique saisonnière	la classe de efficacité énergétique saisonnière	la clase de eficiencia energética estacional de calefacción
de seizoenruimteverwarming energie-efficiëntieklasse	la classe de efficacité énergétique saisonnière	la classe de efficacité énergétique saisonnière	la classe de efficacité énergétique saisonnière	la clase de eficiencia energética estacional de calefacción
7	Water heating energy efficiency class	la classe de efficacité énergétique	la classe de efficacité énergétique	la clase de eficiencia energética de agua
de energie-efficiëntieklasse voor waterverwarming	la classe de efficacité énergétique	la classe de efficacité énergétique	la classe de efficacité énergétique	la clase de eficiencia energética de agua
8	Rated heat output under average climate conditions	la puissance thermique nominale dans les conditions climatiques moyennes	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
de nominale warmteafgifte (onder gemiddelde klimaatomstandigheden)	la puissance thermique nominale dans les conditions climatiques moyennes	la puissance thermique nominale dans les conditions climatiques moyennes	la puissance térmica nominal (en condiciones climáticas medias)	la potencia térmica nominal (en condiciones climáticas medias)
9	For space heating, annual energy consumption under average climate conditions	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
10	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde klimaatomstandigheden)	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
11	Seasonal space heating energy efficiency under average climate conditions	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de calefacción en condiciones climáticas medias
de seizoenruimteverwarming energie-efficiëntie voor gemiddelde klimaatomstandigheden	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de calefacción en condiciones climáticas medias	la eficiencia energética estacional de calefacción en condiciones climáticas medias
12	Water heating energy efficiency under average climate conditions	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores
de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores	la eficiencia energética de agua en interiores
13	Sound power level L _{WA, indoor}	le niveau de puissance acoustique L _{WA, à l'intérieur}	el nivel de potencia acústica L _{WA, en interiores}	el nivel de potencia acústica L _{WA, en interiores}
het geluidsemissieniveau L _{WA, binnen}	le niveau de puissance acoustique L _{WA, à l'intérieur}	el nivel de potencia acústica L _{WA, en interiores}	el nivel de potencia acústica L _{WA, en interiores}	el nivel de potencia acústica L _{WA, en interiores}
14	Werkten uitstekend in de dalen	fonctionne bien en basse pression	funciona bien en bajas presiones	funciona saliendo durante las horas de baja demanda
Werkten uitstekend in de dalen	fonctionne bien en basse pression	funciona bien en bajas presiones	funciona saliendo durante las horas de baja demanda	funciona saliendo durante las horas de baja demanda
15	Normaal luchten voorverwarmen onder koude omstandigheden	travailler normalement avant le chauffage de l'eau	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua
de normale warmteafgifte onder koude klimaatomstandigheden	travailler normalement avant le chauffage de l'eau	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua
16	Normaal luchten voorverwarmen onder koude omstandigheden	travailler normalement avant le chauffage de l'eau	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua
de normale warmteafgifte onder koude klimaatomstandigheden	travailler normalement avant le chauffage de l'eau	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua	trabaja normalmente antes de calentar agua
17	voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder koude omstandigheden	pour l'usage de l'énergie, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)
voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder koude omstandigheden	pour l'usage de l'énergie, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)
18	voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder warme omstandigheden	pour l'usage de l'énergie, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)
voor ruimteverwarming, het jaarlijkse elektriciteitsverbruik onder warme omstandigheden	pour l'usage de l'énergie, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)	para el uso de la energía, el consumo anual de electricidad (en condiciones climáticas medias)
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koude omstandigheden	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koude omstandigheden	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
20	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warme omstandigheden	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warme omstandigheden	pour le chauffage de l'eau, la consommation annuelle d'électricité (dans les conditions climatiques moyennes)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calentar agua, el consumo anual de electricidad (en condiciones climáticas medias)
21	de seizoenruimteverwarming energie-efficiëntie voor ruimteverwarming onder koude omstandigheden	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética estacional de calefacción en condiciones climáticas medias
de seizoenruimteverwarming energie-efficiëntie voor ruimteverwarming onder koude omstandigheden	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética estacional de calefacción en condiciones climáticas medias	la eficiencia energética estacional de calefacción en condiciones climáticas medias
22	de seizoenruimteverwarming energie-efficiëntie voor ruimteverwarming onder warme omstandigheden	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética estacional de calefacción en condiciones climáticas medias
de seizoenruimteverwarming energie-efficiëntie voor ruimteverwarming onder warme omstandigheden	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique saisonnière pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética estacional de calefacción en condiciones climáticas medias	la eficiencia energética estacional de calefacción en condiciones climáticas medias
23	de energie-efficiëntie voor waterverwarming onder koude klimaatomstandigheden	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores
de energie-efficiëntie voor waterverwarming onder koude klimaatomstandigheden	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores	la eficiencia energética de agua en interiores
24	de energie-efficiëntie voor waterverwarming onder warme klimaatomstandigheden	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores
de energie-efficiëntie voor waterverwarming onder warme klimaatomstandigheden	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de agua en interiores	la eficiencia energética de agua en interiores
25	het geluidsemissieniveau L _{WA, buiten}	le niveau de puissance acoustique L _{WA, à l'extérieur}	el nivel de potencia acústica L _{WA, en exteriores}	el nivel de potencia acústica L _{WA, en exteriores}
het geluidsemissieniveau L _{WA, buiten}	le niveau de puissance acoustique L _{WA, à l'extérieur}	el nivel de potencia acústica L _{WA, en exteriores}	el nivel de potencia acústica L _{WA, en exteriores}	el nivel de potencia acústica L _{WA, en exteriores}

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

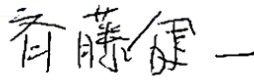
Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	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	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.21	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.09	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.83	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.83	-
Tj = +12 ° C	Pdh	2.8	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	4904	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	kWh				

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

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-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	184	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.75	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	6.52	-
Tj = + 7 ° C	Pdh	5.0	kW	Tj = bivalent temperature	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	2.65	-
Tj = +12 ° C	Pdh	3.0	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	3530	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	kWh				

Contact details

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

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

Kenichi SAITO

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assurance Department

TURKEY

- Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 - Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
- (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
- (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	115	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.45	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.74	-
Tj = + 7 ° C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.3	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.7	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	6705	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	111	%
Daily electricity consumption	Q _{elec}	7.500	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 Bulvarı 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.

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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-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	146	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.30	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	7.56	-
Tj = + 7 ° C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.96	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.4	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.6	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	5299	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	111	%	
Daily electricity consumption	Q _{elec}	7.500	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

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

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	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 Bulvarı No:19 Yunusemre - Manisa, Turkey			
The identification and signature of the person empowered to bind the supplier:				Kenichi SAITO			
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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-SHWM80VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	225	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.75	-
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 7 ° C	COPd	5.20	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.34	-
Tj = + 7 ° C	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.75	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.75	-
Tj = +12 ° C	Pdh	4.7	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	1874	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

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

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(**) 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

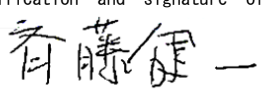
Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	133	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.21	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.09	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.83	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.83	-
Tj = +12 ° C	Pdh	2.8	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	4849	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	kWh				

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

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 (**) 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-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	187	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.75	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	6.52	-
Tj = + 7 ° C	Pdh	5.0	kW	Tj = bivalent temperature	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	2.65	-
Tj = +12 ° C	Pdh	3.0	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	3475	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	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-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	115	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.45	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.74	-
Tj = + 7 ° C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.3	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.7	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	6672	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	111	%	
Daily electricity consumption	Q _{elec}	7.500	kWh				
Annual electricity consumption	AEC		kWh				

Contact details

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

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

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	147	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.30	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	7.56	-
Tj = + 7 ° C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.96	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.4	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.6	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	5266	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	111	%	
Daily electricity consumption	Q _{elec}	7.500	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

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

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Kenichi SAITO

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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-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	171	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	2.05	-
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 7 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	6.02	-
Tj = + 7 ° C	Pdh	5.2	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.05	-
Tj = +12 ° C	Pdh	4.5	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	2454	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	kWh				
Annual electricity consumption	AEC		kWh				

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	233	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.75	-
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 7 ° C	COPd	5.20	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.34	-
Tj = + 7 ° C	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.75	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.75	-
Tj = +12 ° C	Pdh	4.7	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	1808	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	kWh				
Annual electricity consumption	AEC	0	kWh				

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

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

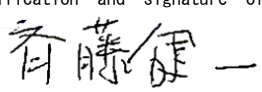
Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	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	7.1	kW	Tj = - 7 ° C	COPd	2.31	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.21	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.09	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.83	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.83	-
Tj = +12 ° C	Pdh	2.8	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	4904	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	kWh				

Contact details
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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	184	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3.22	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.75	-
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	6.52	-
Tj = + 7 ° C	Pdh	5.0	kW	Tj = bivalent temperature	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	2.65	-
Tj = +12 ° C	Pdh	3.0	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Power consumption in modes other than active mode				Off mode			
Off mode	P _{OFF}	0.015	kW	Thermostat-off mode	P _{TO}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW	Standby mode	P _{SB}	0.015	kW
Standby mode	P _{SB}	0.015	kW	Crankcase heater mode	P _{CK}	0.000	kW
Crankcase heater mode	P _{CK}	0.000	kW	Other items			

Capacity control	variable		Rated air flow rate, outdoors	-	2220	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA			
Annual energy consumption	Q _{HE}	3530	kWh			

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	133	%	
Daily electricity consumption	Q _{elec}	6.380	kWh				
Annual electricity consumption	AEC	1404	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-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	115	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.45	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	4.78	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.74	-
Tj = + 7 ° C	Pdh	4.3	kW	Tj = bivalent temperature	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.3	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.7	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	6705	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	111	%
Daily electricity consumption	Q _{elec}	7.500	kWh				
Annual electricity consumption	AEC		kWh				

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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-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	146	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	4.30	-
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 7 ° C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 ° C	COPd	7.56	-
Tj = + 7 ° C	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = +12 ° C	Pdh	3.1	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2.05	-
Degradation co-efficient (**)	Cdh	0.96	-	Operation limit temperature	TOL	-30	° C
Tj = bivalent temperature	Pdh	6.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	5.4	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Rated heat output (*)	Psup	2.6	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	5299	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	111	%	
Daily electricity consumption	Q _{elec}	7.500	kWh				
Annual electricity consumption	AEC	0	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-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

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

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	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 Bulvarı No:19 Yunusemre - Manisa, Turkey			
The identification and signature of the person empowered to bind the supplier;				Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section.				Manager, Quality Assurance Department			
				TURKEY			

- Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 - Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
- (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
- (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	225	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.75	-
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 7 ° C	COPd	5.20	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.34	-
Tj = + 7 ° C	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.75	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.75	-
Tj = +12 ° C	Pdh	4.7	kW	Operation limit temperature	TOL	-30	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	8.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	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				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 54	dBA				
Annual energy consumption	Q _{HE}	1874	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	155	%	
Daily electricity consumption	Q _{elec}	5.600	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

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

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

Kenichi SAITO

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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.