



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

PRODUCT FICHE

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
This information is based on EU regulation No 811/2013 and No 813/2014.

1.SPACE HEATER 22 17 18 25 4 6 8 Ratech heat output under service and conditions output professions out Read has began under warmer compared over discovery selection of the confidence selection of the confidence selection of the confidence selection of the confidence confidence that confidence confidence that confide Low-temperature application
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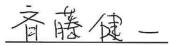
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2.COMBINATION HEAT	T.D.	For medium-temperature application For low-tempera	atura application
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	ERST17D-****D	✓ L A++ A+ 6 3779 880 128 134 41 - 6 6 5147 2027 1060 846 112 155 105 135 54 ✓ L A+++ A+ 6 2646 880 184 134 41 -	6 6 4251 1453 1060 846 136 218 105 135 54
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PUZ-SWM60VAA	EHST20D-****D	✓ L A++ A+ 6 3834 898 126 134 41 - 6 6 5181 2093 1044 841 111 150 109 139 54 ✓ L A+++ A+ 6 2701 898 181 134 41 -	6 6 4284 1519 1044 841 135 208 109 139 54
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	EHST30D-****D		6 6 4284 1519 1759 1176 135 208 98 149 54
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	EHST17D-****D	✓ L A++ A+ 8 5016 880 129 134 41 - 8 8 6890 2584 1060 846 111 162 105 135 54 ✓ L A+++ A+ 8 3599 880 181 134 41 -	8 8 5460 1928 1060 846 141 219 105 135 54
	ERST17D-****D	✓ L A++ A+ 8 4961 880 130 134 41 - 8 8 6857 2517 1060 846 112 167 105 135 54 ✓ L A+++ A+ 8 3543 880 184 134 41 -	8 8 5427 1862 1060 846 142 227 105 135 54
	ERST17D-***BD	✓ L A++ A+ 8 4961 880 130 134 41 - 8 8 6857 2517 1060 846 112 167 105 135 54 ✓ L A+++ A+ 8 3543 880 184 134 41 -	8 8 5427 1862 1060 846 142 227 105 135 54
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	EHST17D-****D	✓ L A++ A+ 8 5053 880 128 134 41 - 8 6923 2629 1060 846 111 160 105 135 54 ✓ L A+++ A+ 8 3636 880 179 134 41 -	8 8 5493 1973 1060 846 141 214 105 135 54
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	EHST20D-****D	√ L A++ A+ 10 6106 898 132 134 41 · 10 10 8813 3362 1044 841 109 156 109 139 58 √ L A+++ A+ 10 4564 898 178 134 41 ·	10 10 6575 2369 1044 841 147 223 109 139 58
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	ERST20D-****D	✓ L A++ A+ 12 7395 898 132 134 41 - 12 12 10604 4049 1044 841 109 157 109 139 58 ✓ L A+++ A+ A+ 12 5511 898 178 134 41 - 12 12 10640 409 1044 841 109 157 109 139 58 ✓ L A+++ A+ 12 5511 898 178 134 41 -	12 12 8257 2816 1044 841 141 227 109 139 58
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	ERST30D-****D	√ XL A++ A+ 12 7395 1417 132 123 41 - 12 10640 4049 1759 1176 109 157 98 149 58 √ XL A++ A+ 12 5511 4417 178 123 41 -	12 12 8257 2816 1759 1176 141 227 98 149 58
	EHST20D-****D	✓ L A++ A+ 12 7485 888 131 134 41 - 12 12 10698 4157 1044 841 109 153 109 139 58 ✓ L A+++ A+ 12 5600 898 176 134 41 -	12 12 8316 2922 1044 841 140 218 109 139 58
PUZ-SWM120YAA	ERST20D-****D	✓ L A++ A+ 12 7404 898 132 134 41 - 12 12 10649 466 1044 841 109 156 109 139 58 ✓ L A+++ A+ 12 5520 898 178 134 41 -	12 12 8267 2825 1044 841 141 226 109 139 58
	EHST30D-****D	XL A++ A+ 12 7485 1417 131 123 41 - 12 10698 4157 1759 1176 109 153 98 149 58 V XL A+++ A+ 12 5600 1417 176 123 41 -	12 12 8316 2922 1759 1176 140 218 98 149 58
	ERST30D-****D	XL A++ A+ 12 7404 1417 132 123 41 - 12 10649 460 1759 1176 109 156 98 149 58 V XL A+++ A+ 12 5520 1417 178 123 41 -	12 12 8267 2825 1759 1176 141 226 98 149 58
	EHST20D-****D	V L A++ A+ 14 8438 965 134 123 41 - 14 12843 4893 1070 888 104 150 105 130 58 V L A+++ A+ 14 6483 965 175 123 41 -	14 14 10250 3367 1070 888 132 219 105 130 58
PUZ-SWM140VAA	ERST20D-****D	✓ L A++ A+ 14 8383 965 135 123 41 - 14 14 12810 4826 1070 888 105 152 105 130 58 ✓ L A+++ A+ 14 6428 965 177 123 41 -	14 14 10217 3301 1070 888 132 224 105 130 58
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	ERST30D-****D	XL A++ A 14 8383 1610 135 114 41 - 14 12810 4826 1755 1434 105 152 104 130 58 X XL A+++ A 14 6428 1610 1777 114 41 -	14 14 10217 3301 1755 1434 132 224 104 130 58
	EHST20D-****D	✓ L A++ A+ 14 8473 965 134 123 41 - 14 12867 4934 1070 888 104 149 105 130 58 ✓ L A+++ A+ 14 6517 965 175 123 41 -	14 14 10275 3407 1070 888 131 217 105 130 58
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	EHST17D-****D	✓ L A++ A+ 6 3761 880 129 134 41 - 6 6 4993 1980 1060 846 115 159 105 135 54 ✓ L A+++ A+ 6 2655 880 184 134 41 -	6 6 4202 1437 1060 846 138 220 105 135 54
	ERST17D-****D	✓ L A++ A+ 6 3706 880 131 134 41 - 6 4960 1914 1060 846 116 165 105 135 54 ✓ L A+++ A+ 6 2600 880 188 134 41 -	6 6 4168 1371 1060 846 139 231 105 135 54
	ERST17D-***BD	J L A++ A+ 6 3706 880 131 134 41 - 6 6 4960 1914 1060 846 116 165 105 135 54 ✓ L A+++ A+ 6 2600 880 188 134 41 -	6 6 4168 1371 1060 846 139 231 105 135 54
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	ERST20D-****D	V L A++ A+ 6 3706 898 131 134 41 - 6 6 4960 1914 1044 841 116 165 109 139 54 V L A+++ A+ 6 2600 898 188 134 41 -	6 6 4168 1371 1044 841 139 231 109 139 54
	EHST30D-****D	V XL A++ A+ 6 3761 1417 129 123 41 - 6 6 4993 1980 1759 1176 115 159 98 149 54 V XL A+++ A+ 6 2655 1417 184 123 41 -	6 6 4202 1437 1759 1176 138 220 98 149 54
	ERST30D-****D	✓ XL A++ A+ 6 3706 1417 131 123 41 - 6 6 4960 1914 1759 1176 116 165 98 149 54 ✓ XL A+++ A+ 6 2600 1417 188 123 41 -	6 6 4168 1371 1759 1176 139 231 98 149 54
	EHST17D-****D	√ L A++ A+ 8 4904 880 132 134 41 - 8 8 6705 2521 1060 846 115 167 105 135 54 ✓ L A+++ A+ 8 3530 880 184 134 41 -	8 8 5299 1874 1060 846 146 225 105 135 54
	ERST17D-****D	✓ L A++ A+ 8 4849 880 133 134 41 - 8 6672 2454 1060 846 115 171 105 135 54 ✓ L A+++ A+ 8 3475 880 187 134 41 -	8 8 5266 1808 1060 846 147 233 105 135 54
	ERST17D-***BD	V L A++ A+ 8 4849 880 133 134 41 - 8 8 6672 2454 1060 846 115 171 105 135 54 V L A+++ A+ 8 3475 880 187 134 41 -	8 8 5266 1808 1060 846 147 233 105 135 54
PUZ-SHWM80VAA	EHST20D-****D	✓ L A++ A+ 8 4904 898 132 134 41 - 8 8 6705 2521 1044 841 115 167 109 139 54 ✓ L A+++ A+ 8 3530 898 184 134 41 -	8 8 5299 1874 1044 841 146 225 109 139 54
	ERST20D-****D	J L A++ A+ B 4849 898 133 134 41 - B 6672 2454 1044 841 115 171 109 139 54 ✓ L A+++ A+ B 3475 898 187 134 41 -	8 8 5266 1808 1044 841 147 233 109 139 54
	EHST30D-****D	J XL A++ A+ B 4904 1417 132 123 41 - B 6705 2521 1759 1176 115 167 98 149 54 J XL A+++ A+ B 3530 1417 184 123 41 -	8 8 5299 1874 1759 1176 146 225 98 149 54
	ERST30D-****D	J XL A++ A+ B 4849 1417 133 123 41 - B 6672 2454 1759 1176 115 171 98 149 54 J XL A+++ A+ B 3475 1417 187 123 41 -	8 8 5266 1808 1759 1176 147 233 98 149 54
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	ERST17D-****D	J L A++ A+ B 4860 880 133 134 41 - B 6689 2469 1060 846 115 170 105 135 54 J L A++ A+ B 3487 880 187 134 41 -	8 8 5284 1823 1060 846 146 232 105 135 54
	ERST17D-***BD	√ L A++ A+ B 4860 880 133 134 41 - B 8 6689 2469 1060 846 115 170 105 135 54 √ L A++ A+ B 3487 880 187 134 41 -	8 8 5284 1823 1060 846 146 232 105 135 54
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	EHST20D-****D	✓ L A++ A+ 10 5936 898 136 134 41 - 10 10 8272 3204 1044 841 116 164 109 139 58 ✓ L A+++ A+ 10 4444 898 183 134 41 -	10 10 6480 2233 1044 841 149 236 109 139 58
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PUZ-SHWM100VAA	EHST30D-****D	✓ XL A++ A+ 10 5936 1417 136 123 41 - 10 10 8272 3204 1759 1176 116 164 98 149 58 ✓ XL A+++ A+ 10 4444 1417 183 123 41 -	10 10 6480 2233 1759 1176 149 236 98 149 58
	ERST30D-****D	✓ XL A++ A+ 10 5881 1417 138 123 41 - 10 10 8239 3138 1759 1176 117 167 98 149 58 ✓ XL A+++ A+ 10 4389 1417 185 123 41 -	10 10 6447 2167 1759 1176 150 244 98 149 58
	EHST20D-****D	✓ L A++ A+ 10 5972 898 135 134 41 - 10 10 8298 3246 1044 841 116 162 109 139 58 ✓ L A+++ A+ 10 4480 988 181 134 41 -	10 10 6508 2276 1044 841 149 232 109 139 58
	ERST20D-****D	√ L A++ A+ 10 5891 589 137 134 41 - 10 10 102 103 139 58 ✓ L A+++ A+ 10 4399 898 185 134 41 -	10 10 6459 2179 1044 841 150 242 109 139 58
PUZ-SHWM100YAA	EHST30D-****D	✓ L A++ A+ 10 3091 1417 131 123 41 - 10 100 324 117 116 116 20 149 149 58 ✓ XL A+++ A++ <	10 10 6409 2179 1044 841 150 242 109 139 58 10 10 6508 2276 1759 1176 149 232 98 149 58
1	ERST30D-****D		
	EHST20D-****D	✓ L A++ A+ 12 7169 898 136 134 41 - 12 12 9902 3952 1044 841 117 161 109 139 58 ✓ L A+++ A+ 12 581 898 179 134 41 - ✓ A++ A+ A+ 102 548 898 179 134 41 - A++ A++ A+++ A+ 12 548 898 179 134 41 - A++ A+++ A+++ A+ 12 548 898 179 134 41 - A+++	12 12 7843 2753 1044 841 149 232 109 139 58
PUZ-SHWM120VAA	ERST20D-****D	✓ L A++ A+ 12 714 898 138 134 41 - 12 12 12 9898 388 1044 841 118 163 109 139 58 ✓ L A+++ A+ 12 526 898 181 134 41 -	12 12 7810 2687 1044 841 150 238 109 139 58
	EHST30D-****D	XL A++ A+ 12 7169 1417 136 123 41 - 12 19902 3952 1759 1176 117 161 98 149 58 V XL A+++ A+ 12 5481 1417 179 123 41 -	12 12 7843 2753 1759 1176 149 232 98 149 58
	ERST30D-****D	XL A++ A+ 12 7114 1417 138 123 41 - 12 1869 3886 1759 1176 118 163 98 149 58 V XL A+++ A+ 12 5426 1417 181 123 41 -	12 12 7810 2687 1759 1176 150 238 98 149 58
	EHST20D-****D	✓ L A++ A+ 12 7204 898 136 134 41 - 12 9927 3995 1044 841 117 159 109 139 58 ✓ L A++ A+ 12 5516 898 178 134 41 -	12 12 7868 2793 1044 841 149 228 109 139 58
PUZ-SHWM120YAA	ERST20D-****D	✓ L A++ A+ 12 7123 898 137 134 41 - 12 9878 3898 1044 841 118 163 109 139 58 ✓ L A++ A+ 12 5435 898 181 134 41 -	12 12 7819 2696 1044 841 150 237 109 139 58
	EHST30D-****D	XL A++ A+ 12 7204 1417 136 123 41 - 12 9927 3995 1759 1176 1176 117 159 98 149 58 V XL A++ A+ 12 5516 1417 178 123 41 -	12 12 7868 2793 1759 1176 149 228 98 149 58
	ERST30D-****D	XL A++ A+ 12 7123 1417 137 123 41 - 12 9878 3898 1759 1176 118 163 98 149 58 V XL A++ A+ 12 5435 1417 181 123 41 -	12 12 7819 2696 1759 1176 150 237 98 149 58
	EHST20D-****D	J L A++ A+ 14 8021 965 141 123 41 - 14 1165 475 1070 888 115 156 105 130 58 ✓ L A++ A+	14 14 8841 3279 1070 888 153 225 105 130 58
PUZ-SHWM140VAA	ERST20D-****D	√ L A++ A+ 14 7965 965 142 123 41 - 14 11617 4649 1070 888 116 158 105 130 58 √ L A+++ A+ 14 6172 965 184 123 41 -	14 14 8807 3212 1070 888 154 230 105 130 58
PUZ-SHWM140VAA	EHST30D-****D	√ XL A++ A 14 8021 1610 141 114 41 - 14 11650 4715 1755 1434 115 156 104 130 58 √ XL A+++ A 14 6227 1610 183 114 41 -	14 14 8841 3279 1755 1434 153 225 104 130 58
	ERST30D-****D	✓ XL A++ A 14 7965 1610 142 114 41 - 14 11617 4649 1755 1434 116 158 104 130 58 ✓ XL A+++ A 14 6172 1610 184 114 41 -	14 14 8807 3212 1755 1434 154 230 104 130 58
	EHST20D-****D	✓ L A++ A+ 14 4055 965 141 123 41 - 14 14 11674 4757 1070 888 115 154 105 130 58 ✓ L A+++ A+ 14 6262 965 182 123 41 -	14 14 8865 3319 1070 888 153 222 105 130 58
	ERST20D-****D	✓ L A++ A+ 14 14 23 41 - 14 14 1162 465 1070 888 116 158 105 130 58 ✓ L A+++ A+ 14 6181 965 184 123 41 - 14 14 1182 965 184 123 41 - 14 14 1182 965 184 123 41 -	14
PUZ-SHWM140YAA	EHST30D-****D	V L A++ A+ 14 7374 950 142 123 41 - 14 1620 4693 100	14
1	2110130D- D		5555 5515 1155 1157 155 222 157 150 36

English	Deutsch	Français	Italiano	Español
Nederlands	Svenska Čeština	Dansk Български	Português Polski	Ελληνικά
suomi Outdoor unit	Cestina Außengerät	unité extérieure	Polski unità esterna	unidad exterior
uitenunit	Utomhusenhet	Udendørs enhed	unidade exterior	Εξωτερική μονάδα
Jlkoyksikkö	Venkovní jednotka	Външно тяло	jednostka zewnętrzna	-
ndoor unit vinnenunit	Innengerät Inomhusenhet	unité intérieure Indendørs enhed	unità interna unidade interior	unidad interior Εσωτερική μονάδα
Sisäyksikkö	Vnitřní jednotka	Вътрешно тяло	jednostka wewnętrzna	-
Medium-temperature application	Mitteltemperaturanwendung	l'application à moyenne température	le applicazioni a media temperatura	la aplicación de media temperatura
niddentemperatuur-toepassing keskilämpötilan sovellus	mediumtemperaturapplikation středněteplotní aplikace	middeltemperaturanvendelsen среднотемпературното приложение	a aplicação a média temperatura zastosowania w średnich temperaturach	η εφαρμογή σε μέση θερμοκρασία -
Low-temperature application	Niedertemperaturanwendung	l'application à basse température	le applicazioni a bassa temperatura	la aplicación de baja temperatura
agetemperatuur-toepassing	lågtemperaturapplikation	lavtemperaturanvendelsen	a aplicação a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
matalanlämpötilan sovellus Declared load profile	nízkoteplotní aplikace Angegebenes Lastprofil	нискотемпературни приложения Profil de soutirage déclaré	zastosowania w niskich temperaturach Profilo di carico dichiarato	- Perfil de carga declarado
Opgegeven capaciteitsprofiel	Deklarerad belastningsprofil	Angivet forbrugsprofil	Perfil de carga declarado	Δηλωμένο προφίλ φορτίου
Ilmoitettu kuormitusprofiili	Deklarovaný zátěžový profil	Обявен товаров профил	Deklarowany profil obciążeń	-
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 di efficienza energetica stagionale del riscaldamento d'ambiente	la clase de eficiencia energética estacional de calefacción
de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming iilalämmityksen kausittainen energiatehokkuusluokka	säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning třída sezonní energetické účinnosti vytápění	klassen for årsvirkningsgrad ved rumopvarmning класът на сезонната отоплителна енергийна ефективност	A classe de eficiência energética do aquecimento ambiente sazonal klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου -
Nater heating energy efficiency class	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe di efficienza energetica del riscaldamento dell'acqua	la clase de eficiencia energética del caldeo de agua
de energie-efficiëntieklasse voor waterverwarming	energieffektivitetsklass vid vattenuppvärmning	klassen for årsvirkningsgrad ved vandopvarmning	A classe de eficiência energética do aquecimento de água	η τάξη ενεργειακής απόδοσης θέρμανσης νερού
redenlämmityksen energiatehokkuusluokka Rated heat output under average climate conditions	třída energetické účinnosti ohřevu vody die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	класът на енергийната ефективност при подгряване на вода la puissance thermique nominale dans les conditions climatiques moyennes	klasa efektywności energetycznej podgrzewania wody la potenza termica nominale(in condizioni climatiche medie)	la potencia calorífica nominal(en condiciones climáticas medias)
de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	den nominelle nytteeffekt(under gennemsnitlige klimaforhold)	A potência calorífica nominal(em condições climáticas médias)	η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)
imellislämpöteho(keskimääräisissä ilmasto-olosuhteissa)	jmenovitý tepelný výkon(za průměrných klimatických podmínek)	номиналната топлинна мощност(при средни климатични условия)	znamionowa moc cieplna(w warunkach klimatu umiarkowanego)	-
or space heating, annual energy consumption under average climate conditions	für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhä	pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions	per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche	para calentar espacios, el consumo anual de energía(en condiciones climáticas
oor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde	ritnissen För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	climatiques moyennes) for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas mé	για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές ς
imaatomstandigheden) alämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	за отопление, годишното потребление на енергия(при средни климатични условия)	dias) w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu	-
For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions	umiarkowanego) per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	para calentar agua, el consumo anual de electricidad(en condiciones climáticas
roor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde	Klimaverhältnissen För vattenuppvärmning, årlig elförbrukning(vid genomsnittliga klimatförhållanden)	climatiques moyennes) for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaforhold)	para o aquecimento de água, o consumo anual de eletricidade(em condições climáticas m	
dimaatomstandigheden)	pro vatienuppvarmning, ang enorbitukning(vito genorismunga kilmationnalianueri) pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek		édias)	για την σερμανοή νερου, η επίσια καταναλωσή ηλεκτρικής ενεργειας(υπο μεσες συνθήκες)
vedenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)		за подгряване на вода, годишното потребление(при средни климатични условия)	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach klimatu umiarkowanego) (zafficiarza pozgatica otorionale di cinculdamento d'ambiento(in enedicioni elimatiche.	la oficionaia protrattica patacia-al de adefecidado o de
Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhä Itnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	l'efficienza energetica stagionale di riscaldamento d'ambiente(in condizioni climatiche medie)	la eficiencia energética estacional de calefacción(en condiciones climáticas med
e seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde limaatomstandigheden)	Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	A eficiência energética do aquecimento ambiente sazonal(em condições climáticas mé dias)	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές ι
lalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)	sezonní energetická účinnost vytápění za průměrných klimatických podmínek	сезонната енергийна ефективност при отопление(при средни климатични условия)	sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu umiarkowanego)	-
Nater heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques movennes)	l'efficienza energetica di riscaldamento dell'acqua(in condizioni climatiche medie)	la eficiencia energética del caldeo de agua(en condiciones climáticas medias)
le energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)	Energieffektivitet vid vattenuppvärmning(vid genomsnittliga klimatförhållanden)	energieffektiviteten ved vandopvarmning(under gennemsnitlige klimaforhold)	a eficiência energética do aquecimento de água(em condições climáticas médias)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες)
redenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)	energetická účinnost ohřevu vody za průměrných klimatických podmínek	енергийната ефективност при подгряване на вода(при средни климатични условия)	efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego)	-
Sound power level L _{WA} indoor	der Schallleistungspegel L _{WA} , in Gebäuden	le niveau de puissance acoustique L WA, à l'intérieur	il livello di potenza sonora L _{WA} all'interno	el nivel de potencia acústica L _{WA} en interiores
et geluidsvermogensniveau L _{WA} binnen änitehotaso L _{WA} sisällä	Ljudeffektnivå L _{WA} i inomhus hladina akustického výkonu L _{W∆} ve vnitřním prostoru	lydeffektniveauet L _{WA} i inde нивото на звуковата мощност L _{WA} на закрито	O nível de potência sonora L _{WA} no interior poziom mocy akustycznej L _{WA} w pomieszczeniu	η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
Vork only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionner qu'en heures creuses	funzione soltanto durante le ore morte	funcionar solamente durante las horas de baja demanda
verken uitsluitend in de daluren	drivas uteslutande under perioder med låg belastning	fungere uden for spidsbelastningsperioder	de funcionar unicamente fora das horas de pico	λειτουργία μόνο εκτός των ωρών αιχμής
oimimaan ainoastaan kulutushuippujen ulkopuolella	provozu pouze mimo špičku	работи само в часовете извън върховото натоварване	pracować jedynie w godzinach poza szczytowym obciążeniem	•
Rated heat output under colder climate conditions de nominale warmteafoifte, onder koudere klimaatomstandigheden	die Wärmenennleistung bei kälteren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus froides	la potenza termica nominale, in condizioni climatiche più fredde A potência calorífica nominal em condicões climáticas mais frias	la potencia calorífica nominal en condiciones climáticas más frías
nimellislämpöteho, kylmissä ilmasto-olosuhteissa	Nominell avgiven värmeeffekt vid kallare klimatförhållanden jmenovitý tepelný výkon za chladnějších klimatických podmínek	den nominelle nytteeffekt under koldere klimaforhold номиналната топлинна мощност при по-студени климатични условия	znamionowa moc cieplna w warunkach klimatu chłodnego	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
Rated heat output under warmer climate conditions	die Wärmenennleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potenza termica nominale, in condizioni climatiche più calde	la potencia calorífica nominal en condiciones climáticas más cálidas
de nominale warmteafgifte, onder warmere klimaatomstandigheden	Nominell avgiven värmeeffekt vid varmare klimatförhållanden	den nominelle nytteeffekt under varmere klimaforhold	A potência calorífica nominal em condições climáticas mais quentes	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
nimellislämpöteho, lämpimissä ilmasto-olosuhteissa For space heating, annual energy consumption under colder climate conditions	jmenovitý tepelný výkon za teplejších klimatických podmínek für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	номиналната топлинна мощност при по-топли климатични условия pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions	znamionowa moc cieplna w warunkach klimatu ciepłego per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	para calentar espacios, el consumo anual de energía en condiciones climáticas
or space heating, annual energy consumption under colder climate conditions	iui die Rauffileizung, der jamiliche Effergieverbrauch bei kalteren klimavernatunssen	climatiques plus froides	fredde	para calentar espacios, el consumo anual de energia en condiciones ciimaticas
roor ruimteverwarming, het jaarlijkse energieverbruik onder koudere	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικ
limaatomstandigheden lalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za chladnější klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични услови	trias w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ch	-
or space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	я pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions	lodnego per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	para calentar espacios, el consumo anual de energía en condiciones climáticas
oor ruimteverwarming, het jaarlijkse energieverbruik onder warmere	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	climatiques plus chaudes for rumopvarmning det årlige energiforbrug under varmere klimaforhold	calde Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais	lidas για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικ:
limaatomstandigheden lalämmityksestä vuotuinen energiankulutus lämpimissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-топли климатични условия	quentes w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu	-
			ciepłego	
or water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhä Itnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde	para calentar agua, el consumo anual de electricidad en condiciones climáticas
oor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	for vandopvarmning det årlige elforbrug under koldere klimaforhold	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερ
limaatomstandigheden edenlämmityksestä vuotuinen sähkönkulutus kylmissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-студени кл	mais frias w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach	ς συνθήκες -
or water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhä	иматични условия pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions	klimatu chłodnego per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più	para calentar agua, el consumo anual de electricidad en condiciones climáticas
oor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere	Ithissen För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	climatiques plus chaudes for vandopvarmning det årlige elforbrug under varmere klimaforhold	calde para o aquecimento de água, o consumo anual de eletricidade em condições climáticas	lidas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερ
limaatomstandigheden			mais quentes	για θερμανσή νέρου, η ετήσια καταναλώση ηλεκτρικής ενεργείας υπο θερμοτερί συνθήκες
vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-топли клим атични условия	klimatu ciepłego	
Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde	la eficiencia energética estacional de calefacción en condiciones climáticas más
de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under koldere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιμα κες
tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	сезонната енергийна ефективност при отопление при по-студени климатични услови	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chł odnego	-
Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	la eficiencia energética estacional de calefacción en condiciones climáticas más
le seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere climaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιμα κες
ılmaatomstandigneden ilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	сезонната енергийна ефективност при отопление при по-топли климатични условия	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł	-
Vater heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus	ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden	froides energieffektiviteten ved vandopvarmning under koldere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais frias	η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθή
vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za chladnějších klimatických podmínek	енергийната ефективност при подгряване на вода при по-студени климатични услови я		-
Nater heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde	la eficiencia energética de caldeo de agua en condiciones climáticas más cálida
de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under varmare klimatförhållanden	energieffektiviteten ved vandopvarmning under varmere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais quentes	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκ
vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za teplejších klimatických podmínek	енергийната ефективност при подгряване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego	-
2 and a sound sould sould	4 O-b-III-1-b			
Sound power level L _{WA} outdoor het geluidsvermogensniveau L _{WA} buiten	der Schallleistungspegel L _{WA} im Freien Ljudeffektnivån L _{WA} i utomhus	le niveau de puissance acoustique L _{WA} à l'extérieur lydeffektniveau L _{WA} i ude	il livello di potenza sonora L _{WA} all'esterno O nível de potência sonora L _{WA} no exterior	el nivel de potencia acústica L _{WA} en exteriores η στάθμη ηχητικής ισχύος L _{WA} εξωτερικού χώρου

Model(s):		Outdoor unit:		PUZ-SWM100VAA				
		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	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	132	%	
Declared capacity for heating for part load a	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or		
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj		
Tj = - 7 °C	Pdh	8.8	kW	Tj = - 7 °C	COPd	2.15	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.33	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.39	-	
Degradation co-efficient (**)	Cdh	0.99	-			<u>, </u>		
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	5.99	-	
Degradation co-efficient (**)	Cdh	0.97	-			<u>, </u>		
Tj = bivalent temperature	Pdh	8.8	kW	Tj = bivalent temperature	COPd	2.15	-	
Tj = operation limit temperature (***)	Pdh	8.5	kW	Tj = operation limit temperature (***)	COPd	1.70	-	
			•					
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 act	ve mode			Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	1.5	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	m ³ /h	
Sound power level, indoors/outdoors	L_WA	41 / 58	dB					
Annual energy consumption	Q_{HE}	6106	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%	
Daily electricity consumption	Qelec	6.450	kWh			_		
Annual electricity consumption	AEC	1417	kWh					
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	LIEA OTLIDIN'S T	LIDIVEY JOINT OF	OOK OOMBASS	Manisa OSB 4 Kisim Kecilikovosb Mah. Ahmet Nazif Zor	la Baland N. 4	0.)/	Acres Tool	

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



Kenichi SAITO

Manager, Quality Assuarance Department

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

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

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):		Outdoor unit:		PUZ-SWM100VAA					
		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	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	178	%		
Declared capacity for heating for part load at	indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or			
temperature 20 °C and outdoor temperature T	j			part load at indoor temperature 20 °C and outdoor	or temperatu	ıre Tj			
Tj = - 7 °C	Pdh	8.8	kW	Tj = - 7 °C	COPd	3.05	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.58	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	5.70	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.61	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = bivalent temperature	Pdh	8.8	kW	Tj = bivalent temperature	COPd	3.05	-		
Tj = operation limit temperature (***)	Pdh	9.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-		
			1						
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	e mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	1.0	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	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	4564	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%		
Daily electricity consumption	Qelec	6.450	kWh						
Annual electricity consumption	AEC	1417	kWh						
Contact details		•							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANU	JFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey		
The identification and signature of the person	empowere	d to bind the	e supplier;	Kanishi SAITO					
The signature is signed in the average clima	ate / mediu	m-temperati	ure section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY					

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SWM100VAA			
		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	10.0	kW	Seasonal space heating energy efficiency	ηs	109	%
Declared capacity for heating for part load a	indoor			Declared coefficient of performance or primary en	nergy ratio fo	r	
temperature 20 °C and outdoor temperature T j			part load at indoor temperature 20 °C and outdoor	or temperatui	е Тј		
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.52	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	3.7	kW	Tj = + 2 °C	COPd	3.45	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.55	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.80	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	7.4	kW	Tj = bivalent temperature	COPd	1.50	-
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.40	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	7.0	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.40	-
Bivalent temperature	Tbiv	-12	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	4.0	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		•	<u> </u>				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	8813	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:19	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	empowere	d to bind the	supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperatu	ure section.	Manager, Quality Assuarance Department			

TURKEY

[•] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
• Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Outdoor un	it:	PUZ-SWM100VAA				
Indoor unit:		EHST30D-****D				
		yes				
		no				
		no				
		no				
		yes				
		yes				
		low-temperature application.				
		colder climate conditions.				
nbol Value	Unit	Item	Symbol	Value	Unit	
ted 10.0	kW	Seasonal space heating energy efficiency	ηs	147	%	
r		Declared coefficient of performance or primary en	nergy ratio fo	or		
		part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj		
fh 6.2	kW	Tj = - 7 °C	COPd	3.80	-	
dh 0.99	-					
lh 3.9	kW	Tj = + 2 °C	COPd	4.15	-	
dh 0.98	-					
th 3.9	kW	Tj = + 7 °C	COPd	5.30	-	
dh 0.98	-					
lh 4.5	kW	Tj = +12 °C	COPd	7.45	-	
dh 0.98	-					
lh 8.4	kW	Tj = bivalent temperature	COPd	2.00	-	
fh 6.0	kW	Tj = operation limit temperature (***)	COPd	1.55	-	
lh 8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-	
-16	°C	Operation limit temperature	TOL	-25	°C	
ignh -22	°C	Heating water operating limit temperature	WTOL	60	°C	
de	•	Supplementary heater				
_{FF} 0.015	kW	Rated heat output (*)	Psup	4.0	kW	
0.015	kW			•		
0.015	kW	Type of energy input		Electrical		
0.000	kW					
•	•					
variable		Rated air flow rate, outdoors	-	2640	m ³ /h	
_{VA} 41 / 58	dB					
_{HE} 6575	kWh					
XL		Water heating energy efficiency	ηwh	98	%	
lec 8.000	kWh					
C 1759	kWh					
RING TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zori	lu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey	
owered to bind th	ne supplier;	·			<u> </u>	
		Kenichi SAITO Manager, Quality Assuarance Department				
	Indoor unit: In	Indoor unit: In	Indoor unit:	Indoor unit: EHST30D-****D yes	Indoor unit:	

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

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

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

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

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

Model(s):	Outdoor unit	:	PUZ-SWM100VAA							
		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	ltem	Symbol	Value	Unit			
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	156	%			
Declared capacity for heating for part load a	t indoor	l		Declared coefficient of performance or primary e	nergy ratio fo	r				
temperature 20 °C and outdoor temperature T j				part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj				
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-				l			
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.00	-			
Degradation co-efficient (**)	Cdh	1.00	-				l			
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.40	-			
Degradation co-efficient (**)	Cdh	0.99	-				l			
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.40	-			
Degradation co-efficient (**)	Cdh	0.98	-				l			
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.00	-			
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-			
							l			
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 acti	ve mode			Supplementary heater		l .				
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	Type of energy input		Electrical				
Crankcase heater mode	P _{CK}	0.000	kW							
Other items		•								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h			
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				l			
Annual energy consumption	Q_{HE}	3362	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%			
Daily electricity consumption	Qelec	5.350	kWh							
Annual electricity consumption	AEC	1176	kWh							
Contact details	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	n empowere	a to bind the	supplier;	Kenichi SAITO						
The signature is signed in the average clim	ate / mediu	m-temperatu	ure section.	Manager, Quality Assuarance Department						

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

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):		Outdoor unit	:	PUZ-SWM100VAA					
		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	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	223	%		
Declared capacity for heating for part load a	t indoor		I	Declared coefficient of performance or primary e	nergy ratio fo	or	I		
temperature 20 °C and outdoor temperature T j				part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-				I		
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.40	-		
Degradation co-efficient (**)	Cdh	1.00	-				I		
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.30	_		
Degradation co-efficient (**)	Cdh	0.99	-				1		
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.95	-		
Degradation co-efficient (**)	Cdh	0.98	-				I		
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.40	-		
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.40	-		
			•				•		
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 acti	ve 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	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	dB				•		
Annual energy consumption	Q_{HE}	2369	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%		
Daily electricity consumption	Qelec	5.350	kWh				•		
Annual electricity consumption	AEC	1176	kWh						
Contact details	-				<u></u>				
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	n empowere	a to bind the	e supplier;	Kenichi SAITO					
The signature is signed in the average clim	ate / mediu	m-temperati	ure section.	Manager, Quality Assuarance Department					

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

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

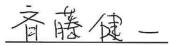
^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):		Outdoor unit:		PUZ-SWM100VAA					
		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	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	132	%		
Declared capacity for heating for part load a	t indoor	l	l	Declared coefficient of performance or primary e	nergy ratio fo	or			
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj			
Tj = - 7 °C	Pdh	8.8	kW	Tj = - 7 °C	COPd	2.15	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.33	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.39	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	5.99	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = bivalent temperature	Pdh	8.8	kW	Tj = bivalent temperature	COPd	2.15	-		
Tj = operation limit temperature (***)	Pdh	8.5	kW	Tj = operation limit temperature (***)	COPd	1.70	-		
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 act	ive mode		l	Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	1.5	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	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	6106	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%		
Daily electricity consumption	Qelec	6.450	kWh						
Annual electricity consumption	AEC	1417	kWh						
Contact details									
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	IUFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	tu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey		

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



Kenichi SAITO

Manager, Quality Assuarance Department

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

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):		Outdoor unit:		PUZ-SWM100VAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηѕ	178	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.8	kW	Tj = - 7 °C	COPd	3.05	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.58	-
Degradation co-efficient (**)	Cdh	0.99] -				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	5.70	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.61	-
Degradation co-efficient (**)	Cdh	0.97] -				
Tj = bivalent temperature	Pdh	8.8	kW	Tj = bivalent temperature	COPd	3.05	-
Tj = operation limit temperature (***)	Pdh	9.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-
Pr. L	-		1		TO 1		٠
Bivalent temperature Reference design conditions for space	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater		1 1	
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	1.0	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		<u> </u>		
Other items						, ,	
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	4564	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu Bulvarí No:1	ษ Yunusemre – N	vianisa, Turkey
The identification and signature of the persor	i embowete	a to billa the	= suppliet;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperati	ure section.	Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):		Outdoor unit	:	PUZ-SWM100VAA					
		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	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	109	%		
Declared capacity for heating for part load a	t indoor	I.		Declared coefficient of performance or primary e	nergy ratio fo	r			
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј			
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.52	-		
Degradation co-efficient (**)	Cdh	0.99	-				Į.		
Tj = + 2 °C	Pdh	3.7	kW	Tj = + 2 °C	COPd	3.45	_		
Degradation co-efficient (**)	Cdh	0.99	-				Į.		
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.55	_		
Degradation co-efficient (**)	Cdh	0.98	-				Į.		
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.80	-		
Degradation co-efficient (**)	Cdh	0.98	-				ı		
Tj = bivalent temperature	Pdh	7.4	kW	Tj = bivalent temperature	COPd	1.50	-		
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.40	-		
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	7.0	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.40	-		
Bivalent temperature	Tbiv	-12	°C	Operation limit temperature	TOL	-25	°C		
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than acti	ve mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	4.0	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	dB						
Annual energy consumption	Q_{HE}	8813	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%		
Daily electricity consumption	Qelec	8.000	kWh						
Annual electricity consumption	AEC	1759	kWh						
Contact details									
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre – Manisa, Turkey									
The identification and signature of the person	i empowere	u to bind the	s supplier;	Kenichi SAITO					
The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department									

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

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

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

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

Model(s):		Outdoor unit	:	PUZ-SWM100VAA					
		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	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	147	%		
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary en	nergy ratio fo	r			
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј			
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.80	-		
Degradation co-efficient (**)	Cdh	0.99	-				•		
Tj = + 2 °C	Pdh	3.9	kW	Tj = + 2 °C	COPd	4.15	-		
Degradation co-efficient (**)	Cdh	0.98	-				1		
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.30	-		
Degradation co-efficient (**)	Cdh	0.98	-				1		
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.45	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.00	-		
Tj = operation limit temperature (***)	Pdh	6.0	kW	Tj = operation limit temperature (***)	COPd	1.55	-		
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-		
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C		
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than acti	ve mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	4.0	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	dB				•		
Annual energy consumption	Q_{HE}	6575	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%		
Daily electricity consumption	Qelec	8.000	kWh				•		
Annual electricity consumption	AEC	1759	kWh						
Contact details	-								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre – Manisa, Turkey ———————————————————————————————————									
The identification and signature of the person	n empowere	a to bind the	supplier;	Kenichi SAITO					
The signature is signed in the average clim	ate / mediu	m-temperatu	ure section.	Manager, Quality Assuarance Department					

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

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

Model(s):	el(s): Outdoor unit:		PUZ-SWM100VAA				
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	156	%
Declared capacity for heating for part load a	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.00	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-
			•				
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 acti	ve 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	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	dB				
Annual energy consumption	Q_{HE}	3362	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the persor	n empowere	a to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section.							

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

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

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

Model(s):	del(s): Outdoor unit:		PUZ-SWM100VAA				
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	223	%
Declared capacity for heating for part load at	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.95	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.40	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.40	-
			•				!
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 acti	ve mode			Supplementary heater		I	
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	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	dB				•
Annual energy consumption	Q_{HE}	2369	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				•
Annual electricity consumption	AEC	1176	kWh				
Contact details	-						
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	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.							

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

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

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

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

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

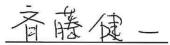
^(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

Model(s):		Outdoor unit	:	PUZ-SHWM100VAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	138	%
Declared capacity for heating for part load a	t indoor	I.	l	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.19	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.38	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.69	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-
			1				
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive 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	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	5881	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details					_		

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY

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

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



Kenichi SAITO

Manager, Quality Assuarance Department

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

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	Outdoor unit:		PUZ-SHWM100VAA				
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	185	%
Declared capacity for heating for part load at	indoor	•	'	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature T	·j			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.49	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.49	-
			1				
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active	ve 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	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items				,			
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	4389	kWh				
For heat pump combination heater:		•					
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details		•					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANU	JFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	empowere	d to bind the	e supplier;	Kanishi SAITO			
The signature is signed in the average clima	ate / mediu	m-temperati	ure section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):	el(s): Outdoor unit:		PUZ-SHWM100VAA				
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	117	%
Declared capacity for heating for part load a	t indoor	ı		Declared coefficient of performance or primary en	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј	
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-
Degradation co-efficient (**)	Cdh	0.99	-				ı
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	0.99	-				ı
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	1.57	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.59	-
$Tj = -15 ^{\circ}C (if TOL < -20 ^{\circ}C)$	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.57	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode	ı		Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.0	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	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				l
Annual energy consumption	Q_{HE}	8239	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				
Contact details		•					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e supplier;	W			
The signature is signed in the average clim	ate / mediu	m-temperati	ure section	Kenichi SAITO Manager, Quality Assuarance Department			
The dignature to digned in the average clim	ato / modiu	tomperati	a. 5 500001.	TIPLEY			

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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.

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	150	%
Declared capacity for heating for part load a	t indoor	I.		Declared coefficient of performance or primary e	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј	
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				Į.
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	_
Degradation co-efficient (**)	Cdh	0.98	-				Į.
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	_
Degradation co-efficient (**)	Cdh	0.98	-				Į.
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	_
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	7.7	kW	Tj = operation limit temperature (***)	COPd	1.57	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.3	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	dB				
Annual energy consumption	Q_{HE}	6447	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	empowere	u to bind the	supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperatu	Manager, Quality Assuarance Department				

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

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

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

Model(s):	del(s): Outdoor unit:		PUZ-SHWM100VAA				
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	167	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-] -				•
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.10	-
Degradation co-efficient (**)	Cdh	1.00	-				•
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.75	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.10	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.10	-
			_				•
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve 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	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	dB				•
Annual energy consumption	Q_{HE}	3138	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				•
Annual electricity consumption	AEC	1176	kWh				
Contact details					_		
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e supplier;	Kenichi SAITO			
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Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s):	del(s): Outdoor unit:		:	PUZ-SHWM100VAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	244	%
Declared capacity for heating for part load a	t indoor	•	•	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-
Degradation co-efficient (**)	Cdh	0.97	-				1
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.50	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.50	-
			•				!
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater		I	
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	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	dB				•
Annual energy consumption	Q_{HE}	2167	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				•
Annual electricity consumption	AEC	1176	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	a to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section.							

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

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

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