



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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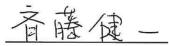
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2.COMBINATION HEAT		For medium-temperature application For low-tempera	atura application
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	ERST17D-****D	✓ L A++ A+ 6 3779 880 128 134 41 - 6 6 5147 2027 1060 846 112 155 105 135 54 ✓ L A+++ A+ 6 2646 880 184 134 41 -	6 6 4251 1453 1060 846 136 218 105 135 54
	ERST17D-***BD	✓ 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
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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	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
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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 10003 411 109 157 109 139 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 10649 4660 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
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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	✓ 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
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	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
	EHST17D-****D	√ L A++ A+ B 4941 880 131 134 41 - B B 6737 2566 1060 846 114 164 105 135 54 √ L A+++ A+ B 3568 880 182 134 41 -	8 8 5332 1920 1060 846 145 220 105 135 54
	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
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	ERST20D-****D	√ L A++ A+ B 4860 898 133 134 41 - B 8 6689 2469 1044 841 115 170 109 139 54 √ L A+++ A+ B 3467 898 187 134 41 -	8 8 5284 1823 1044 841 146 232 109 139 54
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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 - 10 102 103 139 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 12 9902 3952 1044 841 117 161 109 139 58 ✓ L A+++ A+ 12 548 898 179 134 41 - ✓ A++ A+ A+ 12 548 898 179 134 41 - A++ A++ A++ A++ A+ 12 548 898 179 134 41 - A++ A++ A++ A++ A+ 12 548 898 179 134 41 - A++ 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 -1 14 1620 4051 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
middentemperatuur-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 stanionala 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 κλιμακες
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

Strice	Model(s):		Outdoor unit		PUZ-SHWM100YAA						
Strice			Indoor unit:		EHST30D-***D						
Description Position Positi	Air-to-water heat pump:				yes						
Equipped with a supplementary heater: yes	Water-to-water heat pump:				no						
Parameters for	Brine-to-water heat pump:				no						
Parameters for medium-temperature application. werenge climate conditions.	Low-temperature heat pump:				no						
Parameters for medium-temperature application. Parameters for average climate conditions. Raide heat output (*) Praked 10.0 kW Seasonal space heating energy efficiency. ns 135 96 Declared capacity for heating for part load at indoor temperature 2° C° and outdoor temperature T j ————————————————————————————————————	Equipped with a supplementary heater:				yes						
A symbol Value Unit Item Seasonal space heating risk 13.5 96	Heat pump combination heater:				yes						
Rated heat output(*)	Parameters for				medium-temperature application.						
Rated heat output (*)	Parameters for				average climate conditions.						
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j	Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j T j = -7 °C Pdh 8.9 kW Degradation co-efficient (°') Cdh 1.00 - T j = +2 °C Pdh 5.4 kW Degradation co-efficient (°') Cdh 0.999 - T j = +7 °C Pdh 4.8 kW Degradation co-efficient (°') Cdh 0.999 - T j = +7 °C Pdh 4.8 kW Degradation co-efficient (°') Cdh 0.988 - T j = +12 °C CDPd 4.62 - Degradation co-efficient (°') Cdh 0.98 - T j = +12 °C CDPd 4.62 - Degradation co-efficient (°') Cdh 0.98 - T j = +12 °C CDPd 4.62 - Degradation co-efficient (°') Cdh 0.98 - T j = bivalent temperature Pdh 10.0 kW T j = operation limit temperature (°'') Pdh 10.0 kW T j = operation limit temperature (°'') Pdh 10.0 kW T j = operation limit temperature (°'') CDPd 1.69 - Bivalent temperature T biv -10 °C Reference design conditions for space T designh -10 °C Referenc	Rated heat output (*)	Prated	10.0	kW		ηs	135	%			
T = - 7 °C	Declared capacity for heating for part load a	t indoor	l			nergy ratio fo	or				
Degradation co-efficient (**) Cdh 1.00 - Tj = +2 °C Pdh 5.4 kW Tj = +2 °C COPd 3.38 - Degradation co-efficient (**) Cdh 0.98 - Tj = +7 °C COPd 4.62 - Tj = +12 °C Pdh 4.8 kW Tj = +7 °C COPd 4.62 - Tj = +12 °C Pdh 2.9 kW Tj = +7 °C COPd 4.62 - Degradation co-efficient (**) Cdh 0.98 - Tj = +7 °C COPd 6.30 - Tj = 1 2 °C Pdh 2.9 kW Tj = bivalent temperature COPd 6.30 - Tj = operation limit temperature Pdh 10.0 kW Tj = bivalent temperature COPd 1.69 - Tj = operation limit temperature (***) Pdh 10.0 *C Pde attraction limit temperature ToU -20 °C Bivalent temperature (***) Tdesignh -10 °C Operation limit temperature TOU	temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj				
T = +2 °C	Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.19	-			
Degradation co-efficient (**) Cdh 0.99 - Tj = +7 °C COPd 4.62 - Tj = +7 °C Pdh 4.8 kW Tj = +12 °C COPd 4.62 - Degradation co-efficient (**) Cdh 0.98 - Tj = +12 °C COPd 6.30 - Degradation co-efficient (**) Cdh 0.95 - Tj = +12 °C COPd 6.30 - Degradation co-efficient (**) Cdh 0.95 - Tj = +12 °C COPd 6.30 - Degradation co-efficient (**) Cdh 0.95 - Tj = bivalent temperature COPd 1.69 - Tj = operation limit temperature COPd 1.69 -	Degradation co-efficient (**)	Cdh	1.00	-							
T = + 7 °C	Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.38	-			
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.62	-			
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	0.98	-							
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh 10.0 kW Tj = operation limit temperature (***) Pdh 10.0 kW Tj = operation limit temperature (***) Bivalent temperature Tbiv -10 °C Reference design conditions for space heating Power consumption in modes other than active mode Thermostat-off mode Porr Standby mode Pro Conduct Reference Poke to no.002 kW Thermostat-off mode Pro Conduct Reference Power consumption in modes other than active mode Standby mode Pro Conduct Reference Power consumption in modes other than active mode Thermostat-off mode Pro Conduct Reference Power consumption in modes other than active mode Pro Conduct Reference Power consumption in modes other than active mode Pro Conduct Reference Power consumption in modes other than active mode Pro Conduct Reference Power To no.022 kW Type of energy input Electrical Type of energy input Electrical Electrical Fro CoPd 1.69 - COPC Heating water operating limit temperature WTOL 60 °C Supplementary heater Fro energy input Electrical Electrical Fro Sound power level, indoors/outdoors LWA 411/58 Annual energy consumption Quelc Annual energy consumption Quelc Annual electricity consumption AEC 1417 KWh Electrical WTOL AGO **C Power Heating water operating limit temperature TOL -30 **C Heating water operating limit temperature WTOL AGO **C Power For least guarante WTOL AGO **C Power For least	Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-			
Tj = operation limit temperature (***) Bivalent temperature Tbiv Tip = operation limit temperature (***) COPd Top = operation limit temperature (***) COPd Top = operation limit temperature (***) Top = op	Degradation co-efficient (**)	Cdh	0.95	-							
Bivalent temperature Reference design conditions for space heating Power consumption in modes other than active mode Off mode Thermostat-off mode Por Standby mode Por Crankcase heater mode Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Dealy electricity consumption April 20 Annual electricity consumption April 21 Annual electricity consumption Core design conditions for space Tdesignh To To Tdesignh To To To To To To Coreration limit temperature To Lough Heating water operating limit temperature WTOL For Heating water operating limit temperature WTO	Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.69	-			
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Off mode Poff Off Off mode Poff Off Off mode Poff Off Off mode Poff Off	Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-			
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Off mode Poff Off Off mode Poff Off Off mode Poff Off Off mode Poff Off											
Power consumption in modes other than active mode	Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C			
Power consumption in modes other than active mode Off mode Poff Offmode Offmode Poff Offmode Offm		Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C			
Thermostat-off mode P _{TO} 0.022 kW Standby mode P _{SB} 0.022 kW Type of energy input Electrical Crankcase heater mode P _{CK} 0.000 kW Other items Capacity control variable Sound power level, indoors/outdoors Annual energy consumption Q _{HE} 5972 kWh For heat pump combination heater: Declared load profile XL Water heating energy efficiency Nwh 123 % Annual electricity consumption Qelec 6.450 kWh Annual electricity consumption AEC 1417 kWh		ive mode			Supplementary heater						
Standby mode PSB 0.022 kW Type of energy input Electrical Crankcase heater mode PCK 0.000 kW Other items Capacity control Variable Sound power level, indoors/outdoors Annual energy consumption QHE 5972 kWh For heat pump combination heater: Declared load profile XL Water heating energy efficiency NWh 123 96 Annual electricity consumption AEC 1417 kWh	Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW			
Crankcase heater mode	Thermostat-off mode	P_{TO}	0.022	kW							
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Capacity control Variable Rated air flow rate, outdoors - 2640 m³/h Wh Wh Wh Variable Variab	Standby mode	P_SB	0.022	kW	Type of energy input		Electrical				
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Variable Variable Variable Variable Variable All / 58 dB AWh For heat pump combination heater: Water heating energy efficiency NWh Water heating energy efficiency NWh Annual electricity consumption AEC 1417 Whyh Rated air flow rate, outdoors - 2640 m³/h Water heating energy efficiency NWh NWh NWh NWh NWh NWH NWH NWH	Crankcase heater mode	P_{CK}	0.000	kW							
Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption AEC Variable July 41/58 Ju	Other items		•								
Annual energy consumption Q _{HE} 5972 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	Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h			
For heat pump combination heater: Declared load profile Daily electricity consumption Annual electricity consumption AEC 1417 kWh Water heating energy efficiency nwh 123 %	Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB							
Declared load profile XL Water heating energy efficiency ηwh 123 % Paily electricity consumption AEC 1417 Wh Water heating energy efficiency ηwh 123 %	Annual energy consumption	Q_{HE}	5972	kWh							
Daily electricity consumption Qelec 6.450 kWh Annual electricity consumption AEC 1417 kWh	For heat pump combination heater:										
Annual electricity consumption AEC 1417 kWh	Declared load profile		XL		Water heating energy efficiency	ηwh	123	%			
	Daily electricity consumption	Qelec	6.450	kWh			_				
Contact details	Annual electricity consumption	AEC	1417	kWh							
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	Contact details						• • •				

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-SHWM100YAA			
		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	181	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoor	or temperatur	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-
Degradation co-efficient (**)	Cdh	0.95	-				1
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	-
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 acti	ive mode	•		Supplementary heater		•	
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW			•	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				1
Annual energy consumption	Q_{HE}	4480	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	lu Bulvari No:19	9 Yunusemre –	Manisa, Turkey
The identification and signature of the person	n empowere	d 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			
signature is signed in the dverage offin	,oulu	poratt	5 55561011.	O , , , ===============================			

[•] 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-SHWM100YAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	116	%
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	2.62	-
Degradation co-efficient (**)	Cdh	0.99	-				Į.
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	_
Degradation co-efficient (**)	Cdh	0.98	-				Į.
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	_
Degradation co-efficient (**)	Cdh	0.97	-				ı
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	_
Degradation co-efficient (**)	Cdh	0.97	-				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 °C (if TOL < -20 °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			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.0	kW
Thermostat-off mode	P_{TO}	0.022	kW			•	
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	8298	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	re 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-SHWM100YAA			
		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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	149	%
Declared capacity for heating for part load a	t indoor	I.	l	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	re Tj	
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				l
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	-
Degradation co-efficient (**)	Cdh	0.97	-				l
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	-
Degradation co-efficient (**)	Cdh	0.96	-				l
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	-
$Tj = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$	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}	0.022	kW	Rated heat output (*)	Psup	2.3	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items			•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	6508	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 –	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-temperatu	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-SHWM100YAA			
		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	162	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary en	nergy ratio fo	or	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	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	0.97	-				
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}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		1	!				
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}	3246	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 MAN	UFACTURING 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;		_		_
The signature is signed in the average clim	ate / mediu	ım-temperatı	ure section.	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-SHWM100YAA				
		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	232	%	
Declared capacity for heating for part load a	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	0.99	-					
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-	
Degradation co-efficient (**)	Cdh	0.96	-				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		1		
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{TO}	0.022	kW			•		
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items		•						
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				•	
Annual energy consumption	Q_{HE}	2276	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	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 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.

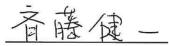
^(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

Model(s):		Outdoor unit	:	PUZ-SHWM100YAA					
		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	135	%		
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 outdoor	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	0.98	-						
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-		
Degradation co-efficient (**)	Cdh	0.95	-						
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 acti	ive mode	•		Supplementary heater					
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{TO}	0.022	kW			•			
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items		•							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	5972	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

[•] 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-SHWM100YAA			
		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	181	%
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	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	0.99	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.98	-				
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	0.95] -				
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	-
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}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	4480	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				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey
The identification and signature of the persor	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 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-SHWM100YAA			
		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	116	%
Declared capacity for heating for part load a	t indoor			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 outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-
Degradation co-efficient (**)	Cdh	0.97	-				
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 °C (if TOL < -20 °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			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	2.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	8298	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 Zoi	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	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-SHWM100YAA			
		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	149	%
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	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-			<u>'</u>	
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	-
Degradation co-efficient (**)	Cdh	0.96	-				1
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}	0.022	kW	Rated heat output (*)	Psup	2.3	kW
Thermostat-off mode	P_{TO}	0.022	kW			•	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•	•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				•
Annual energy consumption	Q_{HE}	6508	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:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	d 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 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-SHWM100YAA				
	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	162	%	
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 outdo	or temperatu	re Tj		
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-				ı	
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.10	-	
Degradation co-efficient (**)	Cdh	1.00	-				Į.	
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.53	_	
Degradation co-efficient (**)	Cdh	0.99	-				ı	
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.75	-	
Degradation co-efficient (**)	Cdh	0.97	-				ı	
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	-	
			1				ı	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
heating Power consumption in modes other than acti	ve mode			Supplementary heater				
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P _{TO}	0.022	kW					
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{CK}	0.000	kW					
Other items		ļ	<u> </u>	1				
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}	3246	kWh					
For heat pump combination heater:				1				
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%	
Daily electricity consumption	Qelec	5.350	kWh		·		l	
Annual electricity consumption	AEC	1176	kWh					
Contact details		l	<u> </u>					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	rlu Bulvari No:1	9 Yunusemre –	Manisa, Turkey	
The identification and signature of the person empowered to bind the 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-SHWM100YAA			
		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	10.0	kW	Seasonal space heating energy efficiency	ηs	232	%
Declared capacity for heating for part load a	t indoor			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 outdo	or temperatui	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				ı
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	0.99	-				ı
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-
Degradation co-efficient (**)	Cdh	0.96	-				l
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			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB				•
Annual energy consumption	Q_{HE}	2276	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 Zol	rlu Bulvari No:19	9 Yunusemre –	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e 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

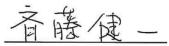
Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) 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-SHWM100YAA				
		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	137	%	
Declared capacity for heating for part load a	at indoor			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 temperatui	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	0.98	-					
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-	
Degradation co-efficient (**)	Cdh	0.95	-					
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	-	
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 ac-	tive mode			Supplementary heater				
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{TO}	0.022	kW			•		
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{CK}	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h	
Sound power level, indoors/outdoors	L_WA	41 / 58	dB					
Annual energy consumption	Q_{HE}	5891	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	NUFACTURING T	UKKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu Bulvari No:19	9 Yunusemre – ľ	иanisa, 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.

Mules to water heat pump:	Model(s):		Outdoor unit	:	PUZ-SHWM100YAA					
Stine-to-water heat pump:			Indoor unit:		ERST30D-***D					
Differ-devisiter heat pump:	Air-to-water heat pump:				yes			_		
Equipment with a supplementary heater yes	Water-to-water heat pump:				no					
Parameters for Parameters	Brine-to-water heat pump:				no					
Pearmeters for solution heater: Parameters for solutions. Rated heat output (*) Printed 10,0 kW Sensorial space heating ps 165 s s Rated heat output (*) Printed 20,0 kW Sensorial space heating ps 165 s s Declared capacity for heating for part load at indoor temperature 20°C and auditoor temperature T	Low-temperature heat pump:				no					
Parameters for Symbol Value Unit Seasonal space leasing conditions. Symbol Value Unit Seasonal space leasing conditions	Equipped with a supplementary heater:				yes					
Parameters for Symbol Value Unit Item Symbol Value Unit Unit Unit Item Symbol Value Unit Un	Heat pump combination heater:				yes					
Rated heat output (**)	Parameters for				low-temperature application.					
Rated heat output (**)	Parameters for				average climate conditions.					
Please Total New Please Total New Senetry efficiency Senetro	Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit		
Part	Rated heat output (*)	Prated	10.0	kW		ηs	185	%		
T - 7 °C	Declared capacity for heating for part load at	t indoor	•			nergy ratio fo	or			
Degradation co-efficient (**) Tj = +2 °C Peth 5.4 kW Tj = +2 °C COPd 4.62	temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj			
T = 2 °C	Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-		
Degradation co-efficient (")	Degradation co-efficient (**)	Cdh	0.99	-						
Ti = +7 °C	Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-		
Degradation co-efficient (**) Tj = +12 °C Pdh 32 kW Tj = +12 °C COPd 6.96 - Degradation co-efficient (**) Cdh 0.95 - 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 Tip = operation limit temperature (***) Bivalent temperature (***) Pdh 10.0 kW Tj = operation limit temperature ToL Reference design conditions for space heating Tdesignh -10 °C Power consumption in modes other than active mode Off mode Porr Toll Supplementary heater Rated heat output (*) Psup 0.0 kW Type of energy input Electrical Felectrical Toll Toll Toll Toll Toll Toll Toll T	Degradation co-efficient (**)	Cdh	0.98	-						
Tij = +12 °C Pdh 3.2 kW Degradation co-efficient (**) Cdh 0.95 - Tij = bivalent temperature Pdh 10.0 kW Tij = bivalent temperature COPd 2.49 - Tij = operation limit temperature (***) Pdh 10.0 kW Tij = bivalent temperature COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - Bivalent temperature (***) Pdh 10.0 kW Tij = bivalent temperature COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - Bivalent temperature (***) Pdh 10.0 kW Tij = operation limit temperature (***) COPd 2.49 - COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - COPd 2.49 - Tij = operation limit temperature (***) COPd 2.49 - Tij = operation limit tempera	Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-		
Degradation co-efficient (**) Tj = bivalent temperature Pdh 10.0 kW Tj = operation limit temperature ToL	Degradation co-efficient (**)	Cdh	0.98	-						
Tj = bixalent temperature Tj = operation limit temperature ToL = 30 °C CoPd = 2.49 · Tj = operation limit temperature ToL = 30 °C Power consumption in modes other than active mode Off mode Porr 0.022 kW Thermostat-off mode Pro 0.022 kW Standby mode Pss 0.022 kW Type of energy input Electrical Power consumption Other items Capacity control Sound power level, indoors/outdoors Ly/A 41/58 dB Annual energy consumption QHE 4399 kWh For heat pump combination heater: Declared load profile XL Water heating energy efficiency Nyh 123 96 Water heating energy efficiency Nyh 124	Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-		
Tj = operation limit temperature (***) Bivalent temperature Tbiv 10 °C Reference design conditions for space Tdesignh 10 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 10 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 10 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 10 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Heating water operating limit temperature WTOL 60 °C Reference design conditions for space Tdesignh 110 °C Reference designh 110 °C Reference des	Degradation co-efficient (**)	Cdh	0.95	-						
Bivalent temperature Reference design conditions for space heating Power consumption in modes other than active mode Off mode Porf Thermostat-off mode Pro Conancase heater mode Cother items Capacity control Sound power level, indoors/outdoors Annual energy consumption Quelce Declared load profile Daily electricity consumption Quelce Daily electricity el	Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.49	-		
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Pose Done Done Done Done Done Done Done Don	Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.49	-		
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Pose Done Done Done Done Done Done Done Don				1						
Power consumption in modes other than active mode Off mode Poss 0.022 kW Thermostat-off mode Ps8 0.022 kW Standby mode Ps8 0.022 kW Tremostate mode Pck 0.000 kW Other items Capacity control variable Sound power level, indoors/outdoors LwA 41/58 dB Annual energy consumption QHE 4399 kWh For heat pump combination heater: Declared load profile XL Daily electricity consumption AEC 1417 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier; Kenichi SAITO	Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C		
Supplementary heater Supplementary heater		Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C		
Thermostat-off mode Standby mode Standby mode Crankcase heater mode P _{SB} 0.022 kW Type of energy input Electrical Type of energy i		ve mode			Supplementary heater					
Standby mode Crankcase heater mode PSB O.022 KW Type of energy input Electrical For lear year, outdoors LWA Annual energy consumption QHE Ad399 KWh Electrical Rated air flow rate, outdoors - 2640 m³/h For heat pump combination heater: Declared load profile XL Daily electricity consumption Annual electricity consumption Annual electricity consumption Annual electricity consumption AEC Annual ele	Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW		
Crankcase heater mode PCK O.000 KW Cher items Capacity control Sound power level, indoors/outdoors LWA Annual energy consumption QHE Annual energy consumption Annual electricity consumption Qelec Annual electricity consumption Qelec Annual electricity consumption AEC 1417 Water heating energy efficiency Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre – Manisa, Turkey Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre – Manisa, Turkey Kenichi SAITO	Thermostat-off mode	P_{TO}	0.022	kW						
Capacity control Capacity control Sound power level, indoors/outdoors Annual energy consumption Capacity control Sound power level, indoors/outdoors Annual energy consumption Capacity consumption Capacity control Capacity control Variable All / 58 AB Annual energy consumption Capacity consumpt	Standby mode	P_SB	0.022	kW	Type of energy input		Electrical			
Capacity control Sound power level, indoors/outdoors LWA Annual energy consumption QHE 4399 Wh For heat pump combination heater: Declared load profile XL Daily electricity consumption Qelec 6.450 Annual electricity consumption AEC 1417 Wh 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 Kenichi SAITO	Crankcase heater mode	P_{CK}	0.000	kW						
Sound power level, indoors/outdoors LWA 41/58 dB Annual energy consumption QHE 4399 kWh For heat pump combination heater: Declared load profile XL Water heating energy efficiency \(\text{rWh}\) 123 \(\text{96}\) 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 Kenichi SAITO	Other items									
Annual energy consumption QHE 4399 kWh For heat pump combination heater: Declared load profile XL Daily electricity consumption Annual electricity consumption AEC 1417 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier; Kenichi SAITO	Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
For heat pump combination heater: Declared load profile XL Daily electricity consumption AEC 1417 Wh Water heating energy efficiency NWh Annual electricity consumption AEC 1417 AWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier; Kenichi SAITO	Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Declared load profile XL Daily electricity consumption AEC Annual electricity consumption AEC Annual electricity consumption AEC ANNUAL electricity consumption AEC AEC AEC AEC AEC AEC AEC AE	Annual energy consumption	Q_{HE}	4399	kWh						
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	For heat pump combination heater:									
Annual electricity consumption AEC 1417 kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier; Kenichi SAITO	Declared load profile		XL		Water heating energy efficiency	ηwh	123	%		
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	Daily electricity consumption	Qelec	6.450	kWh						
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	Annual electricity consumption	AEC	1417	kWh						
The identification and signature of the person empowered to bind the supplier; Kenichi SAITO	Contact details									
Kenichi SAITO	1				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	d to bind the	e supplier;	Kenichi SAITO					
TURKEY	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-SHWM100YAA					
		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	•		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	e Tj			
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-		
Degradation co-efficient (**)	Cdh	0.99	-		<u>'</u>		•		
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-		
Degradation co-efficient (**)	Cdh	0.98	-		<u>'</u>		1		
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-		
Degradation co-efficient (**)	Cdh	0.97	-		!		1		
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-		
Degradation co-efficient (**)	Cdh	0.97	-						
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 °C (if TOL < - 20 °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	•		Supplementary heater					
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.0	kW		
Thermostat-off mode	P_{TO}	0.022	kW						
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical			
Crankcase heater mode	P_{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB		•		•		
Annual energy consumption	Q_{HE}	8250	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	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. 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-SHWM100YAA			
		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	10.0	kW	Seasonal space heating energy efficiency	ηs	150	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary en	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	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	-
Degradation co-efficient (**)	Cdh	0.96	-				
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 activ	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.3	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		-	<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}	6459	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 MANU	JFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zori	lu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey
The identification and signature of the person	empowere	d to bind the	e supplier;	Konjohi SAITO			
The signature is signed in the average climate / medium-temperature 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.

^(*) 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-SHWM100YAA						
		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 temperatur	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	0.97	-							
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	-			
			1							
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}	0.022	kW	Rated heat output (*)	Psup	0.0	kW			
Thermostat-off mode	P_{TO}	0.022	kW							
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical				
Crankcase heater mode	P _{CK}	0.000	kW							
Other items		•	'							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h			
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB							
Annual energy consumption	Q_{HE}	3149	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 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 empowered to bind the supplier;				Kanichi SAITO						
The signature is signed in the average clim	ate / mediu	m-temperati	ure section	Kenichi SAITO Manager, Quality Assuarance Department						
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 $[\]bullet \ \, \text{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-SHWM100YAA					
		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	242	%		
Declared capacity for heating for part load a	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	-	-				1		
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-		
Degradation co-efficient (**)	Cdh	0.98	-				1		
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-		
Degradation co-efficient (**)	Cdh	0.96	-				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		1			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{TO}	0.022	kW			-			
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical			
Crankcase heater mode	P_{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
Sound power level, indoors/outdoors	L_WA	41 / 58	dB						
Annual energy consumption	Q_{HE}	2179	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		
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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.