



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.

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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
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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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	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
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	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
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	ERST17D-***BD	√ L A++ A+ B 4860 880 133 134 41 - B 8 6689 2469 1060 846 115 170 105 135 54 √ L A++ A+ B 3487 880 187 134 41 -	8 8 5284 1823 1060 846 146 232 105 135 54
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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 898 181 134 41 -	10 10 6508 2276 1044 841 149 232 109 139 58
	ERST20D-****D	√ L A++ A+ 10 5891 589 137 134 41 - 10 10 102 103 139 58 ✓ L A+++ A+ 10 4399 898 185 134 41 -	10 10 6459 2179 1044 841 150 242 109 139 58
PUZ-SHWM100YAA	EHST30D-****D	✓ L A++ A+ 10 3091 1417 131 123 41 - 10 100 324 117 116 116 20 149 149 58 ✓ XL A+++ A++ <	10 10 6409 2179 1044 841 150 242 109 139 58 10 10 6508 2276 1759 1176 149 232 98 149 58
1	ERST30D-****D		
	EHST20D-****D	✓ L A++ A+ 12 7169 898 136 134 41 - 12 12 9902 3952 1044 841 117 161 109 139 58 ✓ L A+++ A+ 12 581 898 179 134 41 - ✓ A++ A+ A+ 102 548 898 179 134 41 - A++ A++ A+++ A+ 12 548 898 179 134 41 - A++ A+++ A+++ A+ 12 548 898 179 134 41 - A+++	12 12 7843 2753 1044 841 149 232 109 139 58
PUZ-SHWM120VAA	ERST20D-****D	✓ L A++ A+ 12 714 898 138 134 41 - 12 12 12 9898 388 1044 841 118 163 109 139 58 ✓ L A+++ A+ 12 526 898 181 134 41 -	12 12 7810 2687 1044 841 150 238 109 139 58
	EHST30D-****D	XL A++ A+ 12 7169 1417 136 123 41 - 12 19902 3952 1759 1176 117 161 98 149 58 V XL A+++ A+ 12 5481 1417 179 123 41 -	12 12 7843 2753 1759 1176 149 232 98 149 58
	ERST30D-****D	XL A++ A+ 12 7114 1417 138 123 41 - 12 1869 3886 1759 1176 118 163 98 149 58 V XL A+++ A+ 12 5426 1417 181 123 41 -	12 12 7810 2687 1759 1176 150 238 98 149 58
	EHST20D-****D	✓ L A++ A+ 12 7204 898 136 134 41 - 12 9927 3995 1044 841 117 159 109 139 58 ✓ L A++ A+ 12 5516 898 178 134 41 -	12 12 7868 2793 1044 841 149 228 109 139 58
PUZ-SHWM120YAA	ERST20D-****D	✓ L A++ A+ 12 7123 898 137 134 41 - 12 9878 3898 1044 841 118 163 109 139 58 ✓ L A++ A+ 12 5435 898 181 134 41 -	12 12 7819 2696 1044 841 150 237 109 139 58
	EHST30D-****D	XL A++ A+ 12 7204 1417 136 123 41 - 12 9927 3995 1759 1176 1176 117 159 98 149 58 V XL A++ A+ 12 5516 1417 178 123 41 -	12 12 7868 2793 1759 1176 149 228 98 149 58
	ERST30D-****D	XL A++ A+ 12 7123 1417 137 123 41 - 12 9878 3898 1759 1176 118 163 98 149 58 V XL A++ A+ 12 5435 1417 181 123 41 -	12 12 7819 2696 1759 1176 150 237 98 149 58
	EHST20D-****D	J L A++ A+ 14 8021 965 141 123 41 - 14 1165 475 1070 888 115 156 105 130 58 ✓ L A++ A+	14 14 8841 3279 1070 888 153 225 105 130 58
PUZ-SHWM140VAA	ERST20D-****D	√ L A++ A+ 14 7965 965 142 123 41 - 14 11617 4649 1070 888 116 158 105 130 58 √ L A+++ A+ 14 6172 965 184 123 41 -	14 14 8807 3212 1070 888 154 230 105 130 58
PUZ-SHWM140VAA	EHST30D-****D	√ XL A++ A 14 8021 1610 141 114 41 - 14 11650 4715 1755 1434 115 156 104 130 58 √ XL A+++ A 14 6227 1610 183 114 41 -	14 14 8841 3279 1755 1434 153 225 104 130 58
	ERST30D-****D	✓ XL A++ A 14 7965 1610 142 114 41 - 14 11617 4649 1755 1434 116 158 104 130 58 ✓ XL A+++ A 14 6172 1610 184 114 41 -	14 14 8807 3212 1755 1434 154 230 104 130 58
	EHST20D-****D	✓ L A++ A+ 14 8055 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
le 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 climaticas
roor ruimteverwarming, het jaarlijkse energieverbruik onder koudere	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικ
limaatomstandigheden lalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za chladnější klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични услови	trias w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ch	-
or space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	я pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions	lodnego per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	para calentar espacios, el consumo anual de energía en condiciones climáticas
oor ruimteverwarming, het jaarlijkse energieverbruik onder warmere	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	climatiques plus chaudes for rumopvarmning det årlige energiforbrug under varmere klimaforhold	calde Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais	lidas για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικ:
limaatomstandigheden lalämmityksestä vuotuinen energiankulutus lämpimissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-топли климатични условия	quentes w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu	-
			ciepłego	
or water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhä Itnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde	para calentar agua, el consumo anual de electricidad en condiciones climáticas
oor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	for vandopvarmning det årlige elforbrug under koldere klimaforhold	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερ
limaatomstandigheden edenlämmityksestä vuotuinen sähkönkulutus kylmissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-студени кл	mais frias w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach	ς συνθήκες -
or water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhä	иматични условия pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions	klimatu chłodnego per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più	para calentar agua, el consumo anual de electricidad en condiciones climáticas
oor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere	Ithissen För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	climatiques plus chaudes for vandopvarmning det årlige elforbrug under varmere klimaforhold	calde para o aquecimento de água, o consumo anual de eletricidade em condições climáticas	lidas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερ
limaatomstandigheden			mais quentes	για θερμανσή νέρου, η ετήσια καταναλώση ηλεκτρικής ενεργείας υπο θερμοτερί συνθήκες
vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-топли клим атични условия	klimatu ciepłego	
Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde	la eficiencia energética estacional de calefacción en condiciones climáticas más
de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under koldere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιμα κες
tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	сезонната енергийна ефективност при отопление при по-студени климатични услови	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chł odnego	-
Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	la eficiencia energética estacional de calefacción en condiciones climáticas más
le seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere climaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιμα κες
ılmaatomstandigneden ilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	сезонната енергийна ефективност при отопление при по-топли климатични условия	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł	-
Vater heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus	ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden	froides energieffektiviteten ved vandopvarmning under koldere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais frias	η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθή
vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za chladnějších klimatických podmínek	енергийната ефективност при подгряване на вода при по-студени климатични услови я		-
Nater heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde	la eficiencia energética de caldeo de agua en condiciones climáticas más cálida
de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under varmare klimatförhållanden	energieffektiviteten ved vandopvarmning under varmere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais quentes	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκ
vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za teplejších klimatických podmínek	енергийната ефективност при подгряване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego	-
2 and a sound sould sould	4 O-b-III-1-b			
Sound power level L _{WA} outdoor het geluidsvermogensniveau L _{WA} buiten	der Schallleistungspegel L _{WA} im Freien Ljudeffektnivån L _{WA} i utomhus	le niveau de puissance acoustique L _{WA} à l'extérieur lydeffektniveau L _{WA} i ude	il livello di potenza sonora L _{WA} all'esterno O nível de potência sonora L _{WA} no exterior	el nivel de potencia acústica L _{WA} en exteriores η στάθμη ηχητικής ισχύος L _{WA} εξωτερικού χώρου

Model(s):		Outdoor unit	:	PUZ-SWM140YAA						
		Indoor unit:		EHST30D-***D						
Air-to-water heat pump:				yes						
Water-to-water heat pump:				no						
Brine-to-water heat pump:				no						
Low-temperature heat pump:				no						
Equipped with a supplementary heater:				yes						
Heat pump combination heater:				yes						
Parameters for				medium-temperature application.						
Parameters for				average climate conditions.						
ltem	Symbol	Value	Unit	ltem	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	134	%			
Declared capacity for heating for part load a	at indoor	!		Declared coefficient of performance or primary e	nergy ratio for	or				
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor	or temperatu	ıre Tj				
Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	1.98	-			
Degradation co-efficient (**)	Cdh	1.00	-				<u>!</u>			
Tj = + 2 °C	Pdh	7.5	kW	Tj = + 2 °C	COPd	3.40	-			
Degradation co-efficient (**)	Cdh	0.99	-			Į.				
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	4.61	-			
Degradation co-efficient (**)	Cdh	0.98	-				1			
Tj = +12 °C	Pdh	3.9	kW	Tj = +12 °C	COPd	6.28	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-			
			1				i			
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than ac	tive mode			Supplementary heater						
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.0	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}	8473	kWh							
For heat pump combination heater:	_					_				
Declared load profile		XL	T	Water heating energy efficiency	ηwh	114	%			
Daily electricity consumption	Qelec	7.320	kWh							
Annual electricity consumption	AEC	1610	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

TURKEY

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

[•] 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 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-SWM140YAA						
		Indoor unit:		EHST30D-***D						
Air-to-water heat pump:				yes						
Water-to-water heat pump:				no						
Brine-to-water heat pump:				no						
Low-temperature heat pump:				no						
Equipped with a supplementary heater:				yes						
Heat pump combination heater:				yes						
Parameters for				low-temperature application.						
Parameters for				average climate conditions.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	175	%			
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	Тj			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj				
Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-				!			
Tj = + 2 °C	Pdh	7.6	kW	Tj = + 2 °C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-				!			
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.98	-							
Tj = +12 °C	Pdh	4.1	kW	Tj = +12 °C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.96	-							
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
							•			
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode	•		Supplementary heater		•				
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.0	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}	6517	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	114	%			
Daily electricity consumption	Qelec	7.320	kWh							
Annual electricity consumption	AEC	1610	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre –	Manisa, Turkey			
The identification and signature of the person	ı empowere	u to bind the	supplier;	Kenichi SAITO						

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

TURKEY

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

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

Model(s): Outdoor unit:			:	PUZ-SWM140YAA						
		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.						
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	104	%			
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	Тј			part load at indoor temperature 20 °C and outdo	or temperatur	е Тј				
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	2.20	-			
Degradation co-efficient (**)	Cdh	0.99	-		'		ı			
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.30	-			
Degradation co-efficient (**)	Cdh	0.99	-		·		I.			
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.30	-			
Degradation co-efficient (**)	Cdh	0.98	-		'		ı			
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	6.60	-			
Degradation co-efficient (**)	Cdh	0.97	-		!		!			
Tj = bivalent temperature	Pdh	10.7	kW	Tj = bivalent temperature	COPd	1.60	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.20	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh	10.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-			
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode			Supplementary heater						
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	6.0	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}	12867	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%			
Daily electricity consumption	Qelec	7.980	kWh							
Annual electricity consumption	AEC	1755	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	Yunusemre –	Manisa, Turkey			
The identification and signature of the person	n empowere	u to bind the	e supplier;	Kenichi SAITO						
The signature is signed in the average clim	ate / mediu	m-temperatu	ire 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

^(**) 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-SWM140YAA						
		Indoor unit:		EHST30D-***D						
Air-to-water heat pump:				yes						
Water-to-water heat pump:				no						
Brine-to-water heat pump:				no						
Low-temperature heat pump:				no						
Equipped with a supplementary heater:				yes						
Heat pump combination heater:				yes						
Parameters for				low-temperature application.						
Parameters for				colder climate conditions.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	131	%			
Declared capacity for heating for part load a	t indoor	<u> </u>		Declared coefficient of performance or primary e	nergy ratio fo	or				
temperature 20 °C and outdoor temperature	Тј			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj				
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	3.30	_			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.60	-			
Degradation co-efficient (**)	Cdh	0.99	-				l			
Tj = + 7 °C	Pdh	4.6	kW	Tj = + 7 °C	COPd	5.10	-			
Degradation co-efficient (**)	Cdh	0.98	-			<u></u>	I			
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.60	-			
Degradation co-efficient (**)	Cdh	0.96	-				I			
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1.90	-			
Tj = operation limit temperature (***)	Pdh	9.2	kW	Tj = operation limit temperature (***)	COPd	1.50	-			
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	11.4	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.90	-			
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode		•	Supplementary heater		1	l			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	4.8	kW			
Thermostat-off mode	P_{TO}	0.022	kW			1	l .			
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}	10275	kWh							
For heat pump combination heater:				•						
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%			
Daily electricity consumption	Qelec	7.980	kWh							
Annual electricity consumption	AEC	1755	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre –	Manisa, Turkey			
The identification and signature of the person	n empowered	u to bind the	supplier;	Kenichi SAITO						

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

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

^(**) 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-SWM140YAA			
		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.			
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	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 fc	r	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	14.0	kW	Tj = + 2 °C	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	<u>!</u>
Tj = + 7 °C	Pdh	8.8	kW	Tj = + 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-			<u> </u>	
Tj = +12 °C	Pdh	5.5	kW	Tj = +12 °C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-
			•				-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	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		i		
Standby mode	P_SB	0.022	kW	Type of energy input	i	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}	4934	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	130	%
Daily electricity consumption	Qelec	6.520	kWh				
Annual electricity consumption	AEC	1434	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:19	9 Yunusemre –	Manisa, Turkey
The identification and signature of the person	n empowere	u to bind the	supplier;	Kenichi SAITO			
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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

^(**) 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-SWM140YAA						
		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.						
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	217	%			
Declared capacity for heating for part load a	t indoor	•	-	Declared coefficient of performance or primary energy ratio for						
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-			
Degradation co-efficient (**)	Cdh	-	-							
Tj = + 2 °C	Pdh	14.0	kW	Tj = + 2 °C	COPd	3.10	-			
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>				
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-			
Degradation co-efficient (**)	Cdh	0.97	-							
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-			
			•							
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode		<u> </u>	Supplementary heater		<u> </u>				
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}	3407	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	130	%			
Daily electricity consumption	Qelec	6.520	kWh							
Annual electricity consumption	AEC	1434	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey			
The identification and signature of the person	n empowere	ed to bind the	Kenichi SAITO							
The signature is signed in the average clim	ate / mediu	m-temperatu	ire section.	Manager, Quality Assuarance Department						
		1		TURKEY						

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

 $[\]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

^(**) 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.

Micro-water heat pump: Seminate or water heat pump: Seminate hea	Model(s):		Outdoor unit	:	PUZ-SWM140YAA				
Mater-to-water heat pump: no			Indoor unit:		EHST30D-MED				
Brine-to-water heat pump: no no	Air-to-water heat pump:				yes				
Equipped with a supplementary heater: no	Water-to-water heat pump:				no				
Equipped with a supplementary heater: yes	Brine-to-water heat pump:				no				
Parameters for medium-temperature application.	Low-temperature heat pump:				no				
Parameters for medium-temperature application. Parameters for average climate conditions. Item Symbol Value Unit Item Symbol Value Unit Rated heat output (*) Prated 14.0 kW Seasonal space heating energy efficiency ns 134 % Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 7 j T Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature 7 j T Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature 7 j T T j = -7 °C COPd 1.98 - Degradation co-efficient (**) Cdh 1.00 - T j = +2 °C COPd 3.40 - Degradation co-efficient (**) Cdh 0.999 - T j = +7 °C COPd 4.61 - Degradation co-efficient (**) Cdh 0.937 - T j = +12 °C COPd 6.28 - T j = bivalent temperature (***) Pdh 12.4	Equipped with a supplementary heater:				no				
Rated heat output (*)	Heat pump combination heater:				yes				
Rated heat output (*)	Parameters for				medium-temperature application.				
Rated heat output (*) Prated 14.0 kW Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j Tj = -7 °C Pdh 12.4 kW Degradation co-efficient (**) Cdh 1.00 Tj = +2 °C Pdh 6.3 kW Degradation co-efficient (**) Cdh 0.99 Tj = +7 °C Pdh 6.3 kW Degradation co-efficient (**) Cdh 0.99 Tj = +12 °C Degradation co-efficient (**) Cdh 0.98 Tj = +12 °C Degradation co-efficient (**) Cdh 0.99 Tj = pr °C Tj = pr °C Pdh 3.9 kW Degradation co-efficient (**) Tj = poperation co-efficient (**) Cdh 0.99 Tj = pr °C Tj = pr °C COPd 3.40 Tj = +12 °C COPd 4.61 Tj = +12 °C COPd 6.28 Tj = +12 °C COPd 6.28 Tj = +12 °C Tj = poperation limit temperature Tj = operation limit temperature Tj = operation limit temperature Tolu -25 °C Heating water operating limit temperature Tolu -25 °C Heating water operating limit temperature Tolu -25 °C Heating water operating limit temperature Tolu -25 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space Tdesignh -10 °C Reference design conditions for space T	Parameters for				average climate conditions.				
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 7 j Tj = -7 °C Pdh 12.4 kW Degradation co-efficient (*) Cdh 1.00 - Tj = +2 °C Pdh 6.3 kW Degradation co-efficient (*) Cdh 0.99 - Tj = +7 °C Pdh 6.3 kW Degradation co-efficient (*) Cdh 0.98 - Tj = +12 °C COPd 4.61 - Degradation co-efficient (*) Cdh 0.98 - Tj = +12 °C COPd 6.28 - Degradation co-efficient (*) Cdh 0.97 - Tj = bivalent temperature Pdh 12.4 kW Tj = operation limit temperature (***) Pdh 11.0 kW Degradation co-efficient (**) Cdh 0.97 - Tj = operation limit temperature (***) Pdh 11.0 kW Tj = operation limit temperature (***) Pdh 11.0 kW Eenergy efficiency Declared coefficient of performance or primary energy ratio for part load at indoor temperature Tj Tj = -7 °C COPd 1.98 - Tj = +2 °C COPd 3.40 - Tj = +2 °C COPd 4.61 - Tj = +12 °C COPd 6.28 - Tj = +12 °C COPd 6.28 - Tj = operation limit temperature COPd 1.98 - Tj = operation limit temperature (***) COPd 1.75 - Bivalent temperature Tbiv -7 °C Operation limit temperature TOL 60 °C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poef 0.022 kW Rated heat output (*) Psup 3.0 kW	Item	Symbol	Value	Unit	Item	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 12.4 kW Degradation co-efficient (**) Cdh 1.00 - T j = +2 °C Pdh 6.3 kW Degradation co-efficient (**) Cdh 0.99 - T j = +7 °C Pdh 6.3 kW Degradation co-efficient (**) Cdh 0.98 - T j = +12 °C Pdh 3.9 kW Degradation co-efficient (**) Cdh 0.98 - T j = bivalent temperature Pdh 12.4 kW T j = operation limit temperature Pdh 11.0 kW Bivalent temperature T biv Pdh 11.0 kW Declared coefficient of performance or primary energy ratio for part load at indoor temperature T j T j = -7 °C COPd 1.98 - T j = +2 °C COPd 3.40 - T j = +2 °C COPd 3.40 - T j = +2 °C COPd 4.61 - T j = +12 °C COPd 6.28 - T j = pivalent temperature (**) Cdh 0.97 - T j = bivalent temperature Pdh 12.4 kW T j = operation limit temperature COPd 1.98 - T j = operation limit temperature (***) COPd 1.75 - Bivalent temperature T biv -7 °C COPd 1.98 - Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff 0.022 kW Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T j T j = -7 °C COPd 1.98 - T j = +2 °C COPd 3.40 - T j = +2 °C COPd 4.61 - T j = +2 °C COPd 4.61 - T j = +12 °C COPd 6.28 - T j = +12 °C COPd 6.28 - T j = +12 °C COPd 1.98 -	Rated heat output (*)	Prated	14.0	kW		ηs	134	%	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Declared capacity for heating for part load a	t indoor				nergy ratio fo	or		
Degradation co-efficient (**)	temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoo	or temperatu	ıre Tj		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	1.98	-	
Degradation co-efficient (**) Tj = +7 °C Pdh 6.3 kW Degradation co-efficient (**) Cdh 0.98 Tj = +12 °C Degradation co-efficient (**) Cdh 0.98 Tj = +12 °C COPd 6.28 Degradation co-efficient (**) Cdh 0.97 Tj = bivalent temperature Tj = operation limit temperature (***) Pdh 11.0 kW Tj = bivalent temperature Tj = operation limit temperature (***) COPd 1.75 Tj = operation limit temperature (***) COPd 1.75 COPd	Degradation co-efficient (**)	Cdh	1.00	-				l	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = + 2 °C	Pdh	7.5	kW	Tj = + 2 °C	COPd	3.40	-	
Degradation co-efficient (**) Tj = +12 °C Pdh 3.9 kW Degradation co-efficient (**) Cdh 0.97 Tj = bivalent temperature Pdh 12.4 kW Tj = bivalent temperature Tj = operation limit temperature (***) Pdh 11.0 kW Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.98 Tj = operation limit temperature (***) COPd 1.75 COPd 1.75 COPd 1.98 Tj = operation limit temperature (***)	Degradation co-efficient (**)	Cdh	0.99	-			-	l	
Tj = +12 °C	Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	4.61	-	
Degradation co-efficient (**) Tj = bivalent temperature Pdh 12.4 kW Tj = bivalent temperature COPd 1.98 Tj = operation limit temperature (***) Pdh 11.0 kW Tj = operation limit temperature (***) COPd 1.75 Tj = operation limit temperature (***) COPd 1.75 COP	Degradation co-efficient (**)	Cdh	0.98	-				!	
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh 11.0 KW Tj = bivalent temperature Tj = operation limit temperature (***) COPd 1.98 - Tj = operation limit temperature (***) COPd 1.75 - Bivalent temperature ToL -25 °C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Off mode Poff Ode Tip = bivalent temperature Tol -25 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 3.0 KW	Tj = +12 °C	Pdh	3.9	kW	Tj = +12 °C	COPd	6.28	-	
Tj = operation limit temperature (***) Pdh 11.0 kW Tj = operation limit temperature (***) COPd 1.75 - Bivalent temperature Tbiv -7 °C Operation limit temperature TOL -25 °C Heating water operating limit temperature WTOL 60 °C Power consumption in modes other than active mode Off mode Poff Off Rated heat output (*) Psup 3.0 kW	Degradation co-efficient (**)	Cdh	0.97	-					
Bivalent temperature Tbiv -7 °C Operation limit temperature TOL -25 °C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poer 0.022 kW Rated heat output (*) Psup 3.0 kW	Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-	
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Dogs Todesign and the space heating and the space heating active mode Reference design conditions for space and the space heating and the space heat	Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-	
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Dogs Todesign and the space heating and the space heating active mode Reference design conditions for space and the space heating and the space heat	Pivolent temperature	Thiv	7	°C	Operation limit temperature	TOI	25	°C	
Power consumption in modes other than active mode Off mode Poff Off mode Off mode Off mode Off mode Poff Off mode Off	·								
Off mode P _{OFF} 0.022 kW Rated heat output (*) Psup 3.0 kW			-10	C		WIOL	60	C	
	·						1		
Thermostat-off mode P-a I (1/1/2) I K/W I I					Rated heat output (*)	Psup	3.0	KVV	
	Thermostat-off mode	P _{TO}	0.022	kW			=		
Standby mode P _{SB} 0.022 kW Type of energy input Electrical	•				Type of energy input		Electrical		
Crankcase heater mode P _{Cк} 0.000 kW Оther items		Рск	0.000	KVV					
			verieble		Rated air flow rate, outdoors		2640	3 ,,	
Valiable Valiable 2040 III /II			I	-ID		-	2040	m³/h	
Sound power level, indoors/outdoors LWA 41/58 dB	•								
Annual energy consumption Q _{HE} 8473 kWh		Q _{HE}	8473	KVVN					
For heat pump combination heater:	·		VI		Water backing and 100	my - d-	444	0.	
Declared load profile XL Water heating energy efficiency ηwh 114 %		Ooloo	I	I/A/Ih	vvater neating energy efficiency	rjwn	114	%	
Daily electricity consumption Qelec 7.320 kWh									
Annual electricity consumption AEC 1610 kWh Contact details	·	AEC	1010	KVVN					

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

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

^(**) 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-SWM140YAA						
		Indoor unit:		EHST30D-MED						
Air-to-water heat pump:				yes						
Water-to-water heat pump:				no						
Brine-to-water heat pump:				no						
Low-temperature heat pump:				no						
Equipped with a supplementary heater:				no						
Heat pump combination heater:				yes						
Parameters for				low-temperature application.						
Parameters for				average climate conditions.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	175	%			
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary energy ratio for						
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	2.70	-			
Degradation co-efficient (**)	Cdh	1.00	-				•			
Tj = + 2 °C	Pdh	7.6	kW	Tj = + 2 °C	COPd	4.51	-			
Degradation co-efficient (**)	Cdh	0.99	-				•			
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.91	-			
Degradation co-efficient (**)	Cdh	0.98	-			<u>, </u>	•			
Tj = +12 °C	Pdh	4.1	kW	Tj = +12 °C	COPd	7.03	-			
Degradation co-efficient (**)	Cdh	0.96	-				•			
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-			
							•			
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode			Supplementary heater		ļ	l			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	3.0	kW			
Thermostat-off mode	P_{TO}	0.022	kW		1					
Standby mode	P_{SB}	0.022	kW	Type of energy input	ı	Electrical				
Crankcase heater mode	P_{CK}	0.000	kW		ı					
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}	6517	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	114	%			
Daily electricity consumption	Qelec	7.320	kWh				•			
Annual electricity consumption	AEC	1610	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	re section.	Manager, Quality Assuarance Department						

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

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 $[\]cdot \ \, \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

^(**) 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-SWM140YAA						
		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	14.0	kW	Seasonal space heating energy efficiency	ηs	104	%			
Declared capacity for heating for part load a	t indoor	ļ.		Declared coefficient of performance or primary e	nergy ratio fo	or				
temperature 20 °C and outdoor temperature			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj					
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	2.20	-			
Degradation co-efficient (**)	Cdh	0.99	-				ļ.			
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.30	-			
Degradation co-efficient (**)	Cdh	0.99	-				ļ.			
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.30	-			
Degradation co-efficient (**)	Cdh	0.98	-				l			
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	6.60	-			
Degradation co-efficient (**)	Cdh	0.97	-				!			
Tj = bivalent temperature	Pdh	10.7	kW	Tj = bivalent temperature	COPd	1.60	-			
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.20	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh	10.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-			
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode			Supplementary heater						
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	6.0	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}	12867	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%			
Daily electricity consumption	Qelec	7.980	kWh							
Annual electricity consumption	AEC	1755	kWh							
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING TI	JRKEY 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	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

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

^(**) 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-SWM140YAA							
		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.						
ltem	Symbol	Value	Unit	ltem	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	131	%			
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	Тj			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj				
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	3.30	-			
Degradation co-efficient (**)	Cdh	0.99	-				1			
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.60	-			
Degradation co-efficient (**)	Cdh	0.99	-							
Tj = + 7 °C	Pdh	4.6	kW	Tj = + 7 °C	COPd	5.10	-			
Degradation co-efficient (**)	Cdh	0.98	-			<u> </u>				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.60	-			
Degradation co-efficient (**)	Cdh	0.96	-							
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1.90	-			
Tj = operation limit temperature (***)	Pdh	9.2	kW	Tj = operation limit temperature (***)	COPd	1.50	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh	11.4	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.90	-			
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C			
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than act	ive mode			Supplementary heater						
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	4.8	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}	10275	kWh							
For heat pump combination heater:										
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%			
Daily electricity consumption	Qelec	7.980	kWh							
Annual electricity consumption	AEC	1755	kWh							
Contact details	LIEACTURA: C	IDIVEY ION TO	OCK COMP.	Manian OCD 4 Kinim Kanillinanah Manian Alaman	do Dobres S	0. V.	Manine To 1			
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN The identification and signature of the person				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu Buivari No:1	9 runusemre –	wanisa, Turkey			
Isominoation and signature of the person	. ompowore	. to billio the	Juppiioi,	Kenichi SAITO						

The signature is signed in the average climate / medium-temperature 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

^(**) 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.

lodel(s): Outdoor unit:		:	PUZ-SWM140YAA				
		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	14.0	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	Тj			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	14.0	kW	Tj = + 2 °C	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	8.8	kW	Tj = + 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	5.5	kW	Tj = +12 °C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-
		<u></u>	1			<u> </u>	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	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	1						
Capacity control		variable	1	Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	4934	kWh				
For heat pump combination heater:	1					1 1	
Declared load profile		XL	ı	Water heating energy efficiency	ηwh	130	%
Daily electricity consumption	Qelec	6.520	kWh				
Annual electricity consumption	AEC	1434	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	ILIEACTI IDINIC T	LIDKEY JOINT OF	OCK COMBANY	Maning OSD 4 Kinim Kanillian rah Mah, Abarat Narif 7	du Duberi Ne 4	0 Vunuo *	Manina Turker
The identification and signature of the perso				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu duivati NO:T!	ə i unusemre – r	viailisa, Türkey
and digitation of the person			- Jappiioi,	Kenichi SAITO			
The signature is signed in the average clim	nate / mediu	m-temperatu	ire section.	Manager, Quality Assuarance Department			
-				TURKEY			

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

 $[\]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

^(**) 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-SWM140YAA			
		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	14.0	kW	Seasonal space heating energy efficiency	ηs	217	%
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	Тj			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	-	-				
Tj = + 2 °C	Pdh	14.0	kW	Tj = + 2 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-
			•				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	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}	3407	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	130	%
Daily electricity consumption	Qelec	6.520	kWh				
Annual electricity consumption	AEC	1434	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	n 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			

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

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

 $[\]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

^(**) 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-SWM140YAA			
		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.			
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	135	%
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 temperatu	re Tj	
Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	7.5	kW	Tj = + 2 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.9	kW	Tj = +12 °C	COPd	6.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	1.98	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	1.75	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
heating		-10	Ü		WIGE	00	
Power consumption in modes other than ac Off mode		0.022	kW	Supplementary heater Rated heat output (*)	Doup	2.0	kW
	P _{OFF}	0.022	1	Rated Heat Output ()	Psup	3.0	KVV
Thermostat-off mode	P_{TO} P_{SB}	0.022	kW kW	Type of energy input		Electrical	
Standby mode	P _{CK}			Type of energy input		Electrical	
Crankcase heater mode Other items	- CK	0.000	kW				
Capacity control		variable		Rated air flow rate, outdoors		2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB			20.0	111 /11
Annual energy consumption	Q _{HE}	8392	kWh				
For heat pump combination heater:	THE	1 5552		<u> </u>			
Declared load profile		XL		Water heating energy efficiency	ηwh	114	%
Daily electricity consumption	Qelec	7.320	kWh		1		. •
Annual electricity consumption	AEC	1610	kWh				
Contact details		I	<u> </u>	<u> </u>			

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY

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

The identification and signature of the person 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-SWM140YAA			
		Indoor unit:		ERST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηѕ	177	%
Declared capacity for heating for part load a	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	r	<u>, </u>
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatur	е Тј	
Tj = - 7 °C	Pdh	12.4	kW	Tj = - 7 °C	COPd	2.70	-
Degradation co-efficient (**)	Cdh	1.00	-		!		ı
Tj = + 2 °C	Pdh	7.6	kW	Tj = + 2 °C	COPd	4.51	-
Degradation co-efficient (**)	Cdh	0.99	-		'		ı
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.91	-
Degradation co-efficient (**)	Cdh	0.98	-		'		ı
Tj = +12 °C	Pdh	4.1	kW	Tj = +12 °C	COPd	7.03	-
Degradation co-efficient (**)	Cdh	0.96	-		!		ı
Tj = bivalent temperature	Pdh	12.4	kW	Tj = bivalent temperature	COPd	2.70	-
Tj = operation limit temperature (***)	Pdh	11.0	kW	Tj = operation limit temperature (***)	COPd	2.40	-
					•		,
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive mode	-		Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.0	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		'		ı
Annual energy consumption	Q_{HE}	6437	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	114	%
Daily electricity consumption	Qelec	7.320	kWh		'		ı
Annual electricity consumption	AEC	1610	kWh				
Contact details		•	-				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zo	lu Bulvari No:19	Yunusemre –	Manisa, Turkey
The identification and signature of the perso	n empowere	d to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperatu	re 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

^(**) 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-SWM140YAA					
		Indoor unit:		ERST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	105	%
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	Тј			part load at indoor temperature 20 °C and outdo	or temperatui	re Tj	
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-			l .	ı
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-			l	ı
Tj = + 7 °C	Pdh	4.4	kW	Tj = + 7 °C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	6.60	-
Degradation co-efficient (**)	Cdh	0.97	-				1
Tj = bivalent temperature	Pdh	10.7	kW	Tj = bivalent temperature	COPd	1.60	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	10.5	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.60	-
Bivalent temperature	Tbiv	-13	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	6.0	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}	12819	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%
Daily electricity consumption	Qelec	7.980	kWh				
Annual electricity consumption	AEC	1755	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	ıre 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

^(**) 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-SWM140YAA					
		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	14.0	kW	Seasonal space heating energy efficiency	ηѕ	132	%
Declared capacity for heating for part load a	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	г	,
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatur	е Тј	
Tj = - 7 °C	Pdh	8.5	kW	Tj = - 7 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-		'		ı
Tj = + 2 °C	Pdh	5.2	kW	Tj = + 2 °C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0.99	-		·		I.
Tj = + 7 °C	Pdh	4.6	kW	Tj = + 7 °C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.98	-		'		ı
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.96	-		!		!
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	9.2	kW	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	11.4	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.90	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	4.8	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}	10226	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	104	%
Daily electricity consumption	Qelec	7.980	kWh				
Annual electricity consumption	AEC	1755	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
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The signature is signed in the average clim	ate / mediu	m-temperatu	ire section.	Manager, Quality Assuarance Department			

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

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

^(**) 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-SWM140YAA			
		Indoor unit:		ERST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	152	%
Declared capacity for heating for part load at	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	г	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoo	or temperatur	е Тј	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-		'		
Tj = + 2 °C	Pdh	14.0	kW	Tj = + 2 °C	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-		·	 	
Tj = + 7 °C	Pdh	8.8	kW	Tj = + 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-		ļ		
Tj = +12 °C	Pdh	5.5	kW	Tj = +12 °C	COPd	5.40	-
Degradation co-efficient (**)	Cdh	0.98	-		·		
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	1.90	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	1.90	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than 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		l		
Annual energy consumption	Q_{HE}	4837	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	130	%
Daily electricity consumption	Qelec	6.520	kWh		!		
Annual electricity consumption	AEC	1434	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	Yunusemre – I	Manisa, Turkey
The identification and signature of the persor	n empowere	d to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediui	m-temperatu	re section.	Manager, Quality Assuarance Department			

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

Model(s):		Outdoor unit	:	PUZ-SWM140YAA			
		Indoor unit:		ERST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	ηs	223	%
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 outdo	or temperatui	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	14.0	kW	Tj = + 2 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	
Tj = + 7 °C	Pdh	9.0	kW	Tj = + 7 °C	COPd	5.01	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	5.1	kW	Tj = +12 °C	COPd	7.01	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	14.0	kW	Tj = bivalent temperature	COPd	3.10	-
Tj = operation limit temperature (***)	Pdh	14.0	kW	Tj = operation limit temperature (***)	COPd	3.10	-
						_	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	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				
Annual energy consumption	Q_{HE}	3310	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	130	%
Daily electricity consumption	Qelec	6.520	kWh				
Annual electricity consumption	AEC	1434	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	n empowere	a to bind the	e supplier;	Kenichi SAITO			
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Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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