



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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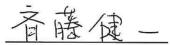
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2.COMBINATION HEAT		For medium-temperature application	For low-temperature application
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	ERST30D-****D		178 123 41 - 12 12 8257 2816 1759 1176 141 227 98 149 58
	EHST20D-****D		176 134 41 - 12 12 8316 2922 1044 841 140 218 109 139 58
PUZ-SWM120YAA	ERST20D-****D		178 134 41 - 12 12 8267 2825 1044 841 141 226 109 139 58
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	EHST17D-****D		184 134 41 - 6 6 4202 1437 1060 846 138 220 105 135 54
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	EHST30D-****D	✓ XL A++ A+ 6 3761 1417 129 123 41 - 6 6 4993 1980 1759 1176 115 159 98 149 54 ✓ XL A+++ A+ 6 2655 1417 18	184 123 41 - 6 6 4202 1437 1759 1176 138 220 98 149 54
	ERST30D-****D	✓ XL A++ A+ 6 3706 1417 131 123 41 - 6 6 4960 1914 1759 1176 116 165 98 149 54 ✓ XL A+++ A+ 6 2600 1417 18	188 123 41 - 6 6 4168 1371 1759 1176 139 231 98 149 54
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	ERST17D-***D	✓ L A++ A+ 8 4849 880 133 134 41 - 8 8 6672 2454 1060 846 115 171 105 135 54 ✓ L A+++ A+ 8 3475 880 18	187 134 41 - 8 8 5266 1808 1060 846 147 233 105 135 54
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PUZ-SHWM80VAA	EHST20D-****D	✓ L A++ A+ 8 4904 898 132 134 41 - 8 8 6705 2521 1044 841 115 167 109 139 54 ✓ L A+++ A+ 8 3530 898 18	184 134 41 - 8 8 5299 1874 1044 841 146 225 109 139 54
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	ERST30D-****D		187 123 41 - 8 8 5266 1808 1759 1176 147 233 98 149 54
	EHST17D-****D		182 134 41 - 8 8 5332 1920 1060 846 145 220 105 135 54
	ERST17D-****D		187 134 41 - 8 8 5284 1823 1060 846 146 232 105 135 54
PUZ-SHWM80YAA	ERST17D-***BD		187 134 41 - 8 8 5284 1823 1060 846 146 232 105 135 54
PUZ-SHW M80YAA	EHST20D-****D		182 134 41 - 8 8 5332 1920 1044 841 145 220 109 139 54
	ERST20D-****D		187 134 41 - 8 8 5284 1823 1044 841 146 232 109 139 54
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	ERST30D-****D		185 123 41 - 10 10 6459 2179 1759 1176 150 242 98 149 58
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PUZ-SHWM140VAA	ERST20D-****D		
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	EHST20D-****D		182 123 41 - 14 14 8865 3319 1070 888 153 222 105 130 58
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Nederlands suomi	Deutsch	Français	Italiano	Español
Suomi	Svenska	Dansk	Português Poloki	Ελληνικά
Outdoor unit	Ceština Außengerät	Български unité extérieure	Polski unità esterna	- unidad exterior
puitenunit	Utomhusenhet	Udendørs enhed	unidade exterior	Εξωτερική μονάδα
Jlkoyksikkö ndoor unit	Venkovní jednotka Innengerät	Външно тяло unité intérieure	jednostka zewnętrzna unità interna	unidad interior
innenunit	Inomhusenhet	Indendørs enhed	unidade interior	Εσωτερική μονάδα
Sisäyksikkö	Vnitřní jednotka	Вътрешно тяло	jednostka wewnętrzna	-
Medium-temperature application niddentemperatuur-toepassing	Mitteltemperaturanwendung mediumtemperaturapplikation	l'application à moyenne température middeltemperaturanvendelsen	le applicazioni a media temperatura a aplicação a média temperatura	la aplicación de media temperatura η εφαρμογή σε μέση θερμοκρασία
keskilämpötilan sovellus	středněteplotní aplikace	среднотемпературното приложение	zastosowania w średnich temperaturach	-
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 de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux klassen for årsvirkningsgrad ved rumopvarmning	la classe di efficienza energetica stagionale del riscaldamento d'ambiente A classe de eficiência energética do aquecimento ambiente sazonal	la clase de eficiencia energética estacional de calefacción η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου
tilalämmityksen kausittainen energiatehokkuusluokka	třída sezonní energetické účinnosti vytápění	класът на сезонната отоплителна енергийна ефективност	klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	-
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
vedenlämmityksen 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)
nimellislämpöteho(keskimääräisissä ilmasto-olosuhteissa)	jmenovitý tepelný výkon(za průměrných klimatických podmínek)	номиналната топлинна мощност(при средни климатични условия)	znamionowa moc cieplna(w warunkach klimatu umiarkowanego)	-
for 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 climatiques moyennes)	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 limaatomstandigheden)	För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas mé dias)	για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές α
ilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	за отопление, годишното потребление на енергия(при средни климатични условия)	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)	-
For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen Fär vattenunnvärmning, årlin elförbrukning/virl genomsnittliga klimatförhållanden)	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques moyennes) for vandonyamming det àrtige elforbrug(under gennemsnittine klimatorbold).	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	
voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde Limaatomstandigheden) redenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)	För vattenuppvärmning, årlig elförbrukning(vid genomsnittliga klimatförhållanden) pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek	for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaforhold) за подгряване на вода, годишното потребление(при средни климатични условия)	para o aquecimento de água, o consumo anual de eletricidade(em condições climáticas m édias) w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach	για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες συνθήκες) -
Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhä	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions	klimatu umiarkowanego) l'efficienza energetica stagionale di riscaldamento d'ambiente(in condizioni climatiche	la eficiencia energética estacional de calefacción(en condiciones climáticas med
o sojzoonsaahondan onarajo officiäntio voor suimtovan eerita (andee eerita)	Itnissen	climatiques moyennes)	medie)	η ενεουειανή απόδοση της επουαγές θέουσματο μέσουλιπό τέσουλ
le 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 σ
ilalämmityksen 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	-
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)	umiarkowanego) 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) edenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)	Energieffektivitet vid vattenuppvärmning(vid genomsnittliga klimatförhållanden) energetická účinnost ohřevu vody za průměrných klimatických podmínek	inoyamines) energieffektiviteten ved vandopvarmning(under gennemsnitlige klimaforhold) енергийната ефективност при подгряване на вода(при средни климатични условия)	a eficiência energética do aquecimento de água(em condições climáticas médias) efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -
Sound power level L _{WA} indoor	der Schallleistungspegel L _{WA} , in Gebäuden Ljudeffektnivå L _{WA} i inomhus	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
net geluidsvermogensniveau L _{WA} binnen äänitehotaso L _{WA} sisällä	hladina akustického výkonu L _{WA} 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 Rated heat output under colder climate conditions	provozu pouze mimo špičku die Wärmenennleistung bei kälteren Klimaverhältnissen	работи само в часовете извън върховото натоварване la puissance thermique nominale, dans les conditions climatiques plus froides	pracować jedynie w godzinach poza szczytowym obciążeniem la potenza termica nominale, in condizioni climatiche più fredde	la potencia calorífica nominal en condiciones climáticas más frías
de nominale warmteafgifte, onder koudere klimaatomstandigheden	Nominell avgiven värmeeffekt vid kallare klimatförhållanden	den nominelle nytteeffekt under koldere klimaforhold	A potência calorífica nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
nimellislämpöteho, kylmissä ilmasto-olosuhteissa	jmenovitý tepelný výkon za chladnějších klimatických podmínek	номиналната топлинна мощност при по-студени климатични условия	znamionowa moc cieplna w warunkach klimatu chłodnego	-
Rated heat output under warmer climate conditions	die Wärmenennleistung bei wärmeren Klimaverhältnissen Nominell avgiven värmeeffekt vid varmare klimatförhållanden	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potenza termica nominale, in condizioni climatiche più calde A potência calorifica nominal em condicões climáticas mais quentes	la potencia calorífica nominal en condiciones climáticas más cálidas
nimellislämpöteho, lämpimissä ilmasto-olosuhteissa	jmenovitý tepelný výkon za teplejších klimatických podmínek	номиналната топлинна мощност при по-топли климатични условия	znamionowa moc cieplna w warunkach klimatu ciepłego	-
or space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	para calentar espacios, el consumo anual de energía en condiciones climáticas
oor ruimteverwarming, het jaarlijkse energieverbruik onder koudere Ilimaatomstandigheden	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 frias	
ilalämmityksestä 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 я	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ch łodnego	\ -
or space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più calde	para calentar espacios, el consumo anual de energía en condiciones climáticas lidas
oor ruimteverwarming, het jaarlijkse energieverbruik onder warmere limaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	for rumopvarmning det årlige energiforbrug under varmere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικέ
alämmityksestä 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	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	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions	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 koudere	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	climatiques plus froides 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		ς συνθήκες -
or water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhä Itnissen	мматични условия pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	klimatu chlodnego per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più calde	para calentar agua, el consumo anual de electricidad en condiciones climáticas lidas
oor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere	För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	for vandopvarmning det årlige elforbrug under varmere klimaforhold	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερ
limaatomstandigheden edenlämmityksestä 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	mais quentes w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach	συνθήκες -
Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	атични условия l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	klimatu ciepłego l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più	la eficiencia energética estacional de calefacción en condiciones climáticas má:
		climatiques plus froides	fredde	
le seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere Iimaatomstandigheden	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 κλιμο κες -
	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	сезонната енергийна ефективност при отопление при по-студени климатични условия l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	a sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chł odnego l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più	la eficiencia energética estacional de calefacción en condiciones climáticas más
lalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen		and the second s	The second of th
lalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	climatiques plus chaudes årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	calde A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιμα
lalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa Seasonal space heating energy efficiency under warmer climate conditions le seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere limaatomstandigheden		climatiques plus chaudes	calde A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł	κες
lalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa seasonal space heating energy efficiency under warmer climate conditions le seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere limaatomstandigheden lalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	climatiques plus chaudes arsvirkningsgraden ved rumopvarmning under varmere klimaforhold сезонната енергийна ефективност при отопление при по-топли климатични условия l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus	quentes	κες -
Seasonal space heating energy efficiency under warmer climate conditions de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden iilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa Water heating energy efficiency under colder climate conditions de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden sezonní energetická účinnost vytápění za teplejších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden	climatiques plus chaudes arsvirkningsgraden ved rumopvarmning under varmere klimaforhold сезонната енергийна ефективност при отопление при по-топли климатични условия l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides energieffektiviteten ved vandopvarmning under koldere klimaforhold	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde a eficiência energética do aquecimento de água em condições climáticas mais frias	κες - la eficiencia energética de caldeo de agua en condiciones climáticas más frías
Seasonal space heating energy efficiency under warmer climate conditions de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa Water heating energy efficiency under colder climate conditions de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa Water heating energy efficiency under colder climate conditions	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden sezonní energetická účinnost vytápění za teplejších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhåltnissen	climatiques plus chaudes arsvirkningsgraden ved rumopvarmning under varmere klimaforhold сезонната енергийна ефективност при отопление при по-топли климатични условия l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides energieffektiviteten ved vandopvarmning under koldere klimaforhold енергийната ефективност при подгряване на вода при по-студени климатични услови я l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde a eficiência energética do aquecimento de água em condições climáticas mais frias	κες - la eficiencia energética de caldeo de agua en condiciones climáticas más frías η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθή -
Seasonal space heating energy efficiency under warmer climate conditions de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa Water heating energy efficiency under colder climate conditions de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa Water heating energy efficiency under warmer climate conditions de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa Water heating energy efficiency under warmer climate conditions de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden sezonní energetická účinnost vytápění za teplejších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden energetická účinnost ohřevu vody za chladnějších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen Energieffektivitet vid vattenuppvärmning under varmare klimatförhållanden	climatiques plus chaudes arsvirkningsgraden ved rumopvarmning under varmere klimaforhold сезонната енергийна ефективност при отопление при по-топли климатични условия l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides energieffektiviteten ved vandopvarmning under koldere klimaforhold енергийната ефективност при подгряване на вода при по-студени климатични услови я l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes energieffektiviteten ved vandopvarmning under varmere klimaforhold	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde a eficiência energética do aquecimento de água em condições climáticas mais frias efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde a eficiência energética do aquecimento de água em condições climáticas mais quentes	
Seasonal space heating energy efficiency under warmer climate conditions de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa Water heating energy efficiency under colder climate conditions de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden sezonní energetická účinnost vytápění za teplejších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden energetická účinnost ohřevu vody za chladnějších klimatických podmínek die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	climatiques plus chaudes arsvirkningsgraden ved rumopvarmning under varmere klimaforhold сезонната енергийна ефективност при отопление при по-топли климатични условия l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides energieffektiviteten ved vandopvarmning under koldere klimaforhold енергийната ефективност при подгряване на вода при по-студени климатични услови я l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	quentes sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł ego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde a eficiência energética do aquecimento de água em condições climáticas mais frias efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde a eficiência energética do aquecimento de água em condições climáticas mais quentes	κες - la eficiencia energética de caldeo de agua en condiciones climáticas más frías η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθή - la eficiencia energética de caldeo de agua en condiciones climáticas más cálida

Model(s):		Outdoor unit	:	PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	136	%
Declared capacity for heating for part load a	at 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 outdoo	or temperatui	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.19	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.38	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.69	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-
			•				
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acc	tive mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	5936	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	NUFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – M	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):	Model(s):		:	PUZ-SHWM100VAA			
		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.			
ltem	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	183	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.49	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.49	-
			_				
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	4444	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the persor	empowere	a to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperati	ure section.	Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA				
		Indoor unit:		EHST30D-****D				
Air-to-water heat pump:				yes				
Water-to-water heat pump:				no				
Brine-to-water heat pump:				no				
Low-temperature heat pump:				no				
Equipped with a supplementary heater:				yes				
Heat pump combination heater:				yes				
Parameters for				medium-temperature application.				
Parameters for				colder climate conditions.				
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	116	%	
Declared capacity for heating for part load at	t indoor	1		Declared coefficient of performance or primary en	nergy ratio fo	or		
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	ıre Tj		
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-	
Degradation co-efficient (**)	Cdh	0.99	-			•		
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	1.57	-	
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.59	-	
Tj = -15 °C (if TOL < -20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.57	-	
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than acti	ve mode		I	Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.0	kW	
Thermostat-off mode	P_{TO}	0.015	kW			-		
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items		•	•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h	
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB					
Annual energy consumption	Q_{HE}	8272	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%	
Daily electricity consumption	Qelec	8.000	kWh					
Annual electricity consumption	AEC	1759	kWh					
Contact details	LIEACTURING T	LIDVEY LOURT OF	OOK COMPANY	Maria OCD 4 Visin Vasilitans to Mate Atmost 2	hi Duhic d N	10 V	Manian Timbr	
The identification and signature of the persor				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu duivari No:1	is runusemre – I	vianisa, Türkey	
The signature is signed in the average clim				Kenichi SAITO Manager, Quality Assuarance Department				
	ate / meulu	temperati		TURKEY				

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		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	10.0	kW	Seasonal space heating energy efficiency	ηs	149	%
Declared capacity for heating for part load a	t indoor	l		Declared coefficient of performance or primary en	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoo	or temperatur	re Tj	
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				ļ.
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	-
Degradation co-efficient (**)	Cdh	0.98	-				ļ.
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	7.7	kW	Tj = operation limit temperature (***)	COPd	1.57	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode		I.	Supplementary heater		I.	
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.3	kW
Thermostat-off mode	P_{TO}	0.015	kW			-	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		1	 	-			
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}	6480	kWh				
For heat pump combination heater:			l l				
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				l
Annual electricity consumption	AEC	1759	kWh				
Contact details		•					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre –	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e supplier;	Kanishi CAITO			
The signature is signed in the average clim	ate / mediu	m-temperati	Ire section	Kenichi SAITO Manager, Quality Assuarance Department			
The signature is signed in the average clim	ate / IIIEUIU	temperatt	uie sectivii.	TUBLES			

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

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

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

Model(s):		Outdoor unit	:	PUZ-SHWM100VAA					
		Indoor unit:		EHST30D-****D					
Air-to-water heat pump:				yes					
Water-to-water heat pump:				no					
Brine-to-water heat pump:				no					
Low-temperature heat pump:				no					
Equipped with a supplementary heater:				yes					
Heat pump combination heater:				yes					
Parameters for				medium-temperature application.					
Parameters for				warmer climate conditions.					
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηѕ	164	%		
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 T j				part load at indoor temperature 20 °C and outdo	or temperatur	re Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-						
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.10	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.53	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.75	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.10	-		
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.10	-		
			1						
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C		
Reference design conditions for space	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C		
heating Power consumption in modes other than act	ve mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P _{TO}	0.015	kW			!			
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items		ļ	<u> </u>	1					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	3204	kWh						
For heat pump combination heater:				1					
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%		
Daily electricity consumption	Qelec	5.350	kWh						
Annual electricity consumption	AEC	1176	kWh						
Contact details		1	1	1					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey		
The identification and signature of the person	empowere	d to bind the	e supplier;						
The circulture is stored to 0	oto / "		uno o = -4°	Kenichi SAITO Manager Quality Assuarance Department					
The signature is signed in the average clim	ale / mediu	ııı-temperatı	ure section.	Manager, Quality Assuarance Department					

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

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-***D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	236	%
Declared capacity for heating for part load a	t indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.50	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.50	-
			•				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW			-	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	2233	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e supplier;	Konichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperati	ure section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):		Outdoor unit	:	PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	136	%
Declared capacity for heating for part load a	at indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.19	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.38	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.69	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	tive mode	•		Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	5936	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	NUFACTURING T	UKKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu Bulvari No:19	9 Yunusemre – ľ	иanisa, Turkey

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



Kenichi SAITO

Manager, Quality Assuarance Department

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

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηѕ	183	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	ıre Tj	
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-
Degradation co-efficient (**)	Cdh	0.99] -				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-
Degradation co-efficient (**)	Cdh	0.97] -				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.49	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.49	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	4444	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%
Daily electricity consumption	Qelec	6.450	kWh				
Annual electricity consumption	AEC	1417	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the persor	empowere	a to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperati	ure section.	Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	116	%
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	ıre Tj	
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	1.57	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.59	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.57	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode	•		Supplementary heater		'	
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.0	kW
Thermostat-off mode	P_{TO}	0.015	kW			•	
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•	•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	8272	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				
Contact details	IEACTI ID	LIDIVEY JOINT SE	OOK COME	Marine OCD 4 Visits V 4 191	du Duberration	10.1/1	Manine To 1
The identification and signature of the persor				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	iu duivari No:1	e runusemre – l	vianisa, Türkey
				Kenichi SAITO Manager, Quality Assuarance Department			
The signature is signed in the average clim	ate / IIIeulu	ını-temperatt	ure section.	TURKEY			

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA			
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	149	%
Declared capacity for heating for part load at	t indoor	•	'	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.71	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	-
Degradation co-efficient (**)	Cdh	0.98	-				!
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	7.7	kW	Tj = operation limit temperature (***)	COPd	1.57	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode	•	'	Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.3	kW
Thermostat-off mode	P_{TO}	0.015	kW			•	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items			•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dB				
Annual energy consumption	Q_{HE}	6480	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%
Daily electricity consumption	Qelec	8.000	kWh				
Annual electricity consumption	AEC	1759	kWh				
Contact details							–
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – N	Manisa, Turkey
The identification and signature of the persor	ı empowere	u io bina the	supplier;	Kenichi SAITO			
The signature is signed in the average clim	ate / mediu	m-temperatu	ure section.	Manager, Quality Assuarance Department TURKEY			

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

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

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

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

Model(s):	el(s): Outdoor unit:		PUZ-SHWM100VAA				
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	164	%
Declared capacity for heating for part load a	t indoor	•	•	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.10	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.75	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.10	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.10	-
			•				!
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater		I	
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW			•	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•	•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				•
Annual energy consumption	Q_{HE}	3204	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				•
Annual electricity consumption	AEC	1176	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the persor	n empowere	a to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section.							

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

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

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

fodel(s): Outdoor unit:		PUZ-SHWM100VAA					
		Indoor unit:		EHST30D-MED			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				no			
Heat pump combination heater:				yes			
Parameters for				low-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	236	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary en	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.50	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.50	-
			1				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items			•				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dB				
Annual energy consumption	Q_{HE}	2233	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				
Annual electricity consumption	AEC	1176	kWh				
Contact details			'				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	Kaniahi SAITO						
The signature is signed in the average clim	ate / mediu	m-temperati	ure section	Kenichi SAITO Manager, Quality Assuarance Department			
signature is signed in the dvorage clim	,oulu	temporati		TUDIEN			

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

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

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

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

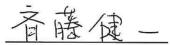
^(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

Model(s):		Outdoor unit:		PUZ-SHWM100VAA					
		Indoor unit:		ERST30D-***D					
Air-to-water heat pump:				yes					
Water-to-water heat pump:				no					
Brine-to-water heat pump:				no					
Low-temperature heat pump:				no					
Equipped with a supplementary heater:				yes					
Heat pump combination heater:				yes					
Parameters for				medium-temperature application.					
Parameters for				average climate conditions.					
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	138	%		
Declared capacity for heating for part load a	t indoor	I.	l	Declared coefficient of performance or primary e	nergy ratio fo	or			
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj			
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.19	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	3.38	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	4.8	kW	Tj = + 7 °C	COPd	4.62	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = +12 °C	Pdh	2.9	kW	Tj = +12 °C	COPd	6.30	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.69	-		
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-		
			1						
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C		
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than act	ive mode	•		Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{TO}	0.015	kW			•			
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items		•							
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	5881	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%		
Daily electricity consumption	Qelec	6.450	kWh						
Annual electricity consumption	AEC	1417	kWh						
Contact details					_				

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY

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

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



Kenichi SAITO

Manager, Quality Assuarance Department

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

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

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

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

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

Model(s):	Outdoor unit:		:	PUZ-SHWM100VAA				
		Indoor unit:		ERST30D-***D				
Air-to-water heat pump:				yes				
Water-to-water heat pump:				no				
Brine-to-water heat pump:				no				
Low-temperature heat pump:				no				
Equipped with a supplementary heater:				yes				
Heat pump combination heater:				yes				
Parameters for				low-temperature application.				
Parameters for				average climate conditions.				
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	185	%	
Declared capacity for heating for part load at	indoor			Declared coefficient of performance or primary e	nergy ratio fo	or		
temperature 20 °C and outdoor temperature 7	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj		
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.62	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	6.00	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = +12 °C	Pdh	3.2	kW	Tj = +12 °C	COPd	6.96	-	
Degradation co-efficient (**)	Cdh	0.97	-					
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.49	-	
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.49	-	
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than acti	ve mode			Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{TO}	0.015	kW					
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h	
Sound power level, indoors/outdoors	L_WA	41 / 58	dB					
Annual energy consumption	Q_{HE}	4389	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	ηwh	123	%	
Daily electricity consumption	Qelec	6.450	kWh					
Annual electricity consumption	AEC	1417	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANI				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	The identification and signature of the person empowered to bind the supplier; Kenichi SAITO							
The signature is signed in the average climate / medium-temperature section.								

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

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

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

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

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

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

Model(s):	del(s): Outdoor unit:		PUZ-SHWM100VAA					
		Indoor unit:		ERST30D-***D				
Air-to-water heat pump:				yes				
Water-to-water heat pump:				no				
Brine-to-water heat pump:				no				
Low-temperature heat pump:				no				
Equipped with a supplementary heater:				yes				
Heat pump combination heater:				yes				
Parameters for				medium-temperature application.				
Parameters for				colder climate conditions.				
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	117	%	
Declared capacity for heating for part load a	t indoor	ı		Declared coefficient of performance or primary en	nergy ratio fo	r		
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј		
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.62	-	
Degradation co-efficient (**)	Cdh	0.99	-				ı	
Tj = + 2 °C	Pdh	4.0	kW	Tj = + 2 °C	COPd	3.50	-	
Degradation co-efficient (**)	Cdh	0.99	-				ı	
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.59	-	
Degradation co-efficient (**)	Cdh	0.98	-				l	
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-	
Degradation co-efficient (**)	Cdh	0.98	-				ı	
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	1.57	-	
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.59	-	
Tj = -15 °C (if TOL < -20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.57	-	
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than acti	ve mode	ı		Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.0	kW	
Thermostat-off mode	P_{TO}	0.015	kW			!		
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P _{CK}	0.000	kW					
Other items			 	-				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				l	
Annual energy consumption	Q_{HE}	8239	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%	
Daily electricity consumption	Qelec	8.000	kWh					
Annual electricity consumption	AEC	1759	kWh					
Contact details		•						
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING T	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey	
The identification and signature of the person	n empowere	d to bind the	e supplier;	Karishi CAITO				
The signature is signed in the average clim	ate / mediu	m-temperati	ure section	Kenichi SAITO Manager, Quality Assuarance Department				
The signature is signed in the average climate / medium-temperature section.				TIPLEY				

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

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

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA				
		Indoor unit:		ERST30D-****D				
Air-to-water heat pump:				yes				
Water-to-water heat pump:				no				
Brine-to-water heat pump:				no				
Low-temperature heat pump:	Low-temperature heat pump:							
Equipped with a supplementary heater:				yes				
Heat pump combination heater:				yes				
Parameters for				low-temperature application.				
Parameters for				colder climate conditions.				
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	150	%	
Declared capacity for heating for part load a	t indoor	I.		Declared coefficient of performance or primary e	nergy ratio fo	r		
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј		
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.71	-	
Degradation co-efficient (**)	Cdh	0.99	-				Į.	
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.35	_	
Degradation co-efficient (**)	Cdh	0.98	-				Į.	
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.34	_	
Degradation co-efficient (**)	Cdh	0.98	-				Į.	
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.50	_	
Degradation co-efficient (**)	Cdh	0.98	-				ı	
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.00	-	
Tj = operation limit temperature (***)	Pdh	7.7	kW	Tj = operation limit temperature (***)	COPd	1.57	-	
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	8.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.00	-	
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than acti	ve mode			Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	2.3	kW	
Thermostat-off mode	P_{TO}	0.015	kW			•		
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items		•						
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h	
Sound power level, indoors/outdoors	L_WA	41 / 58	dB					
Annual energy consumption	Q_{HE}	6447	kWh					
For heat pump combination heater:								
Declared load profile		XL		Water heating energy efficiency	ηwh	98	%	
Daily electricity consumption	Qelec	8.000	kWh					
Annual electricity consumption	AEC	1759	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey	
The identification and signature of the person	empowere	u to bind the	supplier;	Kenichi SAITO				
The signature is signed in the average clim	ate / mediu	m-temperatu	ire section.	Manager, Quality Assuarance Department				

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

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

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

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

Model(s):	el(s): Outdoor unit:		PUZ-SHWM100VAA				
		Indoor unit:		ERST30D-****D			
Air-to-water heat pump:				yes			
Water-to-water heat pump:				no			
Brine-to-water heat pump:				no			
Low-temperature heat pump:				no			
Equipped with a supplementary heater:				yes			
Heat pump combination heater:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	167	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-] -				•
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	2.10	-
Degradation co-efficient (**)	Cdh	1.00	-				•
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.53	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.75	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	2.10	-
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	2.10	-
			_				•
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW			•	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB				•
Annual energy consumption	Q_{HE}	3138	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.350	kWh				•
Annual electricity consumption	AEC	1176	kWh				
Contact details					_		
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:1	9 Yunusemre – I	Manisa, Turkey
The identification and signature of the person	n empowere	d to bind the	e supplier;	Kenichi SAITO			
The signature is signed in the average climate / medium-temperature section.							

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

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

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

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

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

Model(s):		Outdoor unit:		PUZ-SHWM100VAA					
		Indoor unit:		ERST30D-****D					
Air-to-water heat pump:				yes					
Water-to-water heat pump:				no					
Brine-to-water heat pump:				no					
Low-temperature heat pump:				no					
Equipped with a supplementary heater:				yes					
Heat pump combination heater:				yes					
Parameters for				low-temperature application.					
Parameters for				warmer climate conditions.					
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit		
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	244	%		
Declared capacity for heating for part load a	t indoor	I.		Declared coefficient of performance or primary e	nergy ratio fo	r			
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-				Į.		
Tj = + 2 °C	Pdh	10.0	kW	Tj = + 2 °C	COPd	3.50	-		
Degradation co-efficient (**)	Cdh	1.00	-				Į.		
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.55	-		
Degradation co-efficient (**)	Cdh	0.99	-				Į.		
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	7.54	_		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	3.50	-		
Tj = operation limit temperature (***)	Pdh	10.0	kW	Tj = operation limit temperature (***)	COPd	3.50	-		
			1				ı		
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-30	°C		
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than acti	ve mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{TO}	0.015	kW						
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items		!	! 						
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dB						
Annual energy consumption	Q_{HE}	2167	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%		
Daily electricity consumption	Qelec	5.350	kWh				l		
Annual electricity consumption	AEC	1176	kWh						
Contact details		1		•					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN	UFACTURING TI	URKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:19	9 Yunusemre – I	Manisa, Turkey		
The identification and signature of the person	n empowere	d to bind the	e supplier;	Kanishi SAITO					
The signature is signed in the average climate / medium-temperature section.			Kenichi SAITO Manager, Quality Assuarance Department						

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

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

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

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

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

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