



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

PRODUCT FICHE

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

1.SPACE HEATER 22 17 18 25 4 6 8 Ratech heat output under service and conditions output professions out Read has began under warmer compared over discovery selection of the confidence selection of the confidence selection of the confidence selection of the confidence confidence that confidence the confidence confidence that confidence the confidence that confidenc Low-temperature application
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2.COMBINATION HEAT		For medium-temperature application	For low-temperature application
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	EHST17D-****D		179 134 41 - 8 8 5493 1973 1060 846 141 214 105 135 54
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	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
	EHST30D-****D		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 4060 1759 1176 109 156 98 149 58 ✓ XL A+++ A+ 12 5520 1417 17	178 123 41 - 12 12 8267 2825 1759 1176 141 226 98 149 58
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PUZ-SWM140VAA	ERST20D-****D	✓ L A++ A+ 14 8383 965 135 123 41 - 14 12810 4826 1070 888 105 152 105 130 58 ✓ L A+++ A+ 14 6428 965 17	177 123 41 - 14 14 10217 3301 1070 888 132 224 105 130 58
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	ERST30D-****D		177 114 41 - 14 14 10226 3310 1755 1434 132 223 104 130 58
	EHST17D-****D		184 134 41 - 6 6 4202 1437 1060 846 138 220 105 135 54
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PUZ-SHWM60VAA	EHST20D-****D		184 134 41 - 6 6 4202 1437 1044 841 138 220 109 139 54
	ERST20D-****D		188 134 41 - 6 6 4168 1371 1044 841 139 231 109 139 54
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	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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	EHST30D-****D		184 123 41 - 8 8 5299 1874 1759 1176 146 225 98 149 54
	ERST30D-****D		187 123 41 - 8 8 5266 1808 1759 1176 147 233 98 149 54
	EHST17D-****D		182
	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
	EHST30D-****D		182 123 41 - 8 8 5332 1920 1759 1176 145 220 98 149 54
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	EHST20D-****D		183 134 41 - 10 10 6480 2233 1044 841 149 236 109 139 58
PUZ-SHWM100VAA	ERST20D-****D	✓ L A++ A+ 10 5881 898 138 134 41 - 10 10 8239 3138 1044 841 117 167 109 139 58 ✓ L A+++ A+ 10 4389 898 18	185 134 41 - 10 10 6447 2167 1044 841 150 244 109 139 58
FUZ-SHW M100VAA	EHST30D-****D		183 123 41 - 10 10 6480 2233 1759 1176 149 236 98 149 58
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	EHST20D-****D		181 134 41 - 10 10 6508 2276 1044 841 149 232 109 139 58
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PUZ-SHWM100YAA	ERST20D-****D		185 134 41 - 10 10 6459 2179 1044 841 150 242 109 139 58
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	ERST30D-****D		185 123 41 - 10 10 6459 2179 1759 1176 150 242 98 149 58
1	EHST20D-****D		179 134 41 - 12 12 7843 2753 1044 841 149 232 109 139 58
PUZ-SHWM120VAA	ERST20D-****D		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 9902 3952 1759 1176 117 161 98 149 58 ✓ XL A+++ A+ 12 5481 1417 17 117 12 12 12 12 12 12 12 14 12 14 14 12 14 14 12 14 1	179 123 41 - 12 12 7843 2753 1759 1176 149 232 98 149 58
	ERST30D-****D	✓ XL A++ A+ 12 714 1417 138 123 41 - 12 12 9869 386 1759 1176 118 163 98 149 58 ✓ XL A++ A+ 12 5426 1417 18	181 123 41 - 12 12 7810 2687 1759 1176 150 238 98 149 58
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DU 17 0	ERST20D-****D		181 134 41 - 12 12 7819 2696 1044 841 150 237 109 139 58
PUZ-SHWM120YAA	EHST30D-****D		178 123 41 - 12 12 7868 2793 1759 1176 149 228 98 149 58
1	ERST30D-****D		181 123 41 - 12 12 7819 2696 1759 1176 150 237 98 149 58
—	EHST20D-****D		183 123 41 - 14 14 8841 3279 1070 888 153 225 105 130 58
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PUZ-SHWM140VAA	ERST20D-****D		
	EHST30D-****D		183
	ERST30D-****D		184 114 41 - 14 14 8807 3212 1755 1434 154 230 104 130 58
	EHST20D-****D		182 123 41 - 14 14 8865 3319 1070 888 153 222 105 130 58
PUZ-SHWM140YAA	ERST20D-****D		184 123 41 - 14 14 8816 3222 1070 888 154 229 105 130 58
1	EHST30D-****D	✓ XL A++ A 14 8055 1610 141 114 41 - 14 11674 4757 1755 1434 115 154 104 130 58 ✓ XL A+++ A 14 6262 1610 18	182 114 41 - 14 14 8865 3319 1755 1434 153 222 104 130 58

η σταθμη ηχητικής ισχυός L _{ww} εξωτερικου χωρου	O nivel de potencia sonora L _{WA} , no exterior n poziom mocy akustycznej L _{WA} , na zewnątrz -	lydelfektniveau L_{WA} i иde нивото на звуковата мощност L_{WA} на открито	Ljudelfektinvan L _{WA} , utomnus Inladina akustického výkonu L _{WA} ve venkovním prostoru	25 fiet geliudsvermogensniveau L _{WA} bullen äänitehotaso L _{WA} ulkona
el nivel de potencia acústica L _{WA} en exteriores			der Schallleistungspegel L _{WA} im Freien	So
η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες -	a eficiência energética do aquecimento de água em condições climáticas mais quentes que efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego -	energieffektiviteten ved vandopvarmning under varmere kilmaforhold енергийната ефективност при подгряване на вода при по-топли климатични условия	Energieffektivítet víd vattenuppvärmning under varmare klimatförhállanden energetická účinnost ohřevu vody za teplejších klimatických podmínek	24 de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa
la eficiencia energética de caldeo de agua en condiciones climáticas más cálidas	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde la	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	Water heating energy efficiency under warmer climate conditions
η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες -	a eficiência energética do aquecimento de água em condições climáticas mais frias n efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego	energieffektiviteten ved vandopvarmning under koldere klimaforhold енергийната ефективност при подгряване на вода при по-студени климатични услови	Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden energetická účinnost ohfevu vody za chladnéjších klimatíckých podmínek	23 <u>de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden</u> vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa
la eficiencia energética de caldeo de agua en condiciones climáticas más frías	refficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde la	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	Water heating energy effice
	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepł edo	сезонната енергийна ефективност при отопление при по-топли климатични условия	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθή κες	Cariue A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais nuentes	umadupes plus criadues årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden
la eficiencia energética estacional de calefacción en condiciones climáticas más cálidas	oonego Tefficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più la	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	Seasonal space heating energy efficiency under warmer climate conditions
- 188	ırıds 1 sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chi 	сезонната енергийна ефективност при отопление при по-студени климатични условия	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	kiiridadunistariugineueri tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθή	nreduce A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais nredicas mais no frances de constitues de consti	dinimatiques plus trotues arsvirkningsgraden ved rumopvarmning under koldere klimaforhold	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere
la eficiencia energética estacional de calefacción en condiciones climáticas más frías	stagionale di riscaldamento d'ambiente in condizioni climatiche più	атични условия l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	Seasonal space heating energy efficiency under colder climate conditions
συνθήκες -	mais quentes u odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach - telephonologiczne warunkach	за подгряване на вода, годишното потребление на електроенергия при по-топли клим	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	klima
lidas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές		ques plus chaudes dopvarmning det årl	ssen r vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	se elektriciteitsverbruik onder warm
para calentar agua, el consumo anual de electricidad en condiciones climáticas más cá	chłodnego scaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più	'eau, la consommation annuelle d'électricité, dans les cor	rmwas	For water heating, annual energy consumption under warmer climate conditions
C anglyks?	mais fras w odniesieniu do nodorzewania wody roczne zużycje energii elektrycznej w warunkach w odniesieniu do nodorzewania wody roczne zużycje energii elektrycznej w warunkach	за полгожнами высоктатурном поступени кп	nro ohřev vodv – roční spotřeha elektrické energie za chladněších klimatických podmínek	19
para carentar aguat, el consumo anual de electricidad en condiciones cimaticas mas mas via θέρμανση νερού, η επήσια καταγάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικέ	anamento dei acqua, il consumo anuto di energia, in condizioni cimaticas più all'empero de acqua, o consumo anutal de eletricidade em condicões climáticas	pour le criadurage de l'edu, la consommation annuelle d'electricite, dans les conditions climatiques plus froides for vandopyarming det àrlige elforbrug under koldere klimatorhold	ur die warinwasserbeteilung, der Janniche Sciontwerbrauch der kalteren Nimaverna Itnissen För vattenupwärmning, ärlig elförbrukning under kallare klimatförhållanden	< 1 7
	ergii w warunkach klimatu	потребление на енергия при по-топли клиг	êní – roční spotřeba energie za teplejších klimatických podmínek	jiankulutus lämpimissä ilmast
για θέρμανση χώρου, η επήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais violentes	for rumopvarmning det årlige energiforbrug under varmere klimaforhold	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	18 voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden
para calentar espacios, el consumo anual de energía en condiciones climáticas más cá lidas	idamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	For space heating, annual energy consumption under warmer climate conditions
	mas w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ch łodneco	за отопление, годишното потребление на енергия при по-студени климатични услови я	pro vytápění – roční spotřeba energie za chladnější klimatických podmínek	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa
για θέρμανση χώρου, η επήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες	ucimento ambiente, o consumo anual de energia em condições climáticas mais	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	17 voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere
para calentar espacios, el consumo anual de energía en condiciones climáticas más frías	scaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più	normalizario romania modifica i par normalizario nun si materna in processo pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froibes	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	For space heating, annual energy consumption under colder climate conditions
η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες -	A potência calorifica nominal em condições climáticas mais quentes namionowa mos cientra w warmkach klimátir cientego	den nominelle nytteeffekt under varmere klimaforhold	Nominell avgiven värmeeffekt vid varmare klimatförhållanden Imenovitý tenelný výkon za teoleiších klimatických nodmínek	16 de nominale warmteafgifte, onder warmere klimaatomstandigheden nimellisjännöteho jämnimissä ilmastruoksuhteissa
la potencia calorífica nominal en condiciones climáticas más cálidas	znamionowa moc cieplna w warunkach Klimatu chłodnego - la potenza termica nominale, in condizioni climatiche più calde la	номиналната топлинна мощност при по-студени климатични условия la puissance thermique nominale, dans les conditions climatiques plus chaudes	jmenovitý tepelný výkon za chladnějších klimatických podmínek die Wärmenennleistung bei wärmeren Klimaverhältnissen	nimellislämpöteho, kylmissä ilmasto-olo Rated heat output under warmer climate
la potencia calorífica nominal en condiciones climáticas más frías η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες	la potenza termica nominale, in condizioni climatiche più fredde A potência calorifica nominal em condições climáticas mais frias n	la puissance thermique nominale, dans les conditions climatiques plus froides den nominelle nytteeffekt under koldere klimaforhold	die Wärmenennleistung bei kälteren Klimaverhältnissen Nominell avgiven värmeeffekt vid kallare klimatförhållanden	Rated heat output under colder climate conditions 15 de nominale warmteafgifte, onder koudere klimaatomstandigheden
νειιουργια μονο εκτος των ωρων αιχμής	de unicional unicamente rora das noras de pico pracować jedynie w godzinach poza szczyłowym obciążeniem	работи само в часовете извън върховото натоварване	provozu pouze mimo špičku	14 Weirkeit utsitulieria in de daturen toimimaan ainoastaan kulutushuippujen ulkopuolella
funcionar solamente durante las horas de baja demanda	funzione soltanto durante fe ore morte	fonctionner qu'en l'entre creuses	dass ein ausschließlicher Betrieb des Kombineizgerätes zu Schwachlastzeiten	Work only during of speak hours
η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου	O nivel de potência sonora L _{WA} on interior noviem moru abutuvana i w nomisezozani	lydefickriveauet L _{Wk} i inde	Ljudeffektivisk _{IVM} , i noordoori Ljudeffektivisk _{IVM} , i noordoori Hadina akuslisk bho vikrout I ve vnijfnim noostoni	13 het geluidsvermoşensiveau L _{WA} binnen äänitahotaso I skällä äänitahotaso I skällä
e nivel de notencia adistica I en interiores	l all'interno	le niveau de puissance acoustique à l'intérieur	der Schallleistungsnegel I in Gehällden	Sound nower level I, indoor
η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -	a eficiência energética do aquecimento de água(em condições climáticas médias) neficiêntivamos energetica do aquecimento de água(em condições climáticas médias) neficiêntivamos energeticas poddrzewania wody/w warunkach klimatu umiarkowanego)	energieffekt/witeten ved vandopvarmning(under gennemsnitilge klimaforhold) енергийната ефективност при подгояване на вода(при средни климатични условия)	Energieffektivítet vid vattenuppvärmning(vid genomsnittliga klimatförhállanden) energelická účinnost phřevu vodv za průměrných klimatických podmínek	12 de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden) vedenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)
la eficiencia energética del caldeo de agua(en condiciones climáticas medias)	si riscaldamento dell'acqua(in condizioni climatiche medie)	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	Water heating energy efficiency under average climate conditions
	dias) sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu -	сезонната енергийна ефективност при отопление(при средни климатични условия)	natických podmínek	klimaatomstandigheden) tilalämmityksen kausittainen energia
η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)	medie) A eficiência energética do aquecimento ambiente sazonal(em condições climáticas mé n	climatiques moyennes) årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	ltnissen Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde
la eficiencia energética estacional de calefacción(en condiciones climáticas medias)) itagionale di riscaldamento d'ambiente(in condizioni climatiche	ique saisonnière pour le chauffage des locaux(dans les con	jahreszeitbedingte Raumhelzungs-Energieeffizienz bei durchschnittlichen Klimavi	/ efficiency under average climate conditions
αυνθήκες) -	do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach	за подгряване на вода, годишното потребление(при средни климатични условия)	ohřev vody – roční spotřeba elektrické energie za průměrných klimatický	klimaatomstandigheden) vedenlämmityksestä vuotuinen sähk
για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές	_	climatiques moyennes) for vandopvarmning det årlige efforbrug(under gennemsnitlige klimaforhold)	lförbrukning(vi	ıt jaarlijkse elektriciteitsverbruik(onder gemiddel
para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)	nto dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	onsommation annuelle d'électricité(die Warmwasserbereitung, den jährlichen Stromverbrau	under averaç
		за отопление, годишното потребление на енергия(при средни климатични условия)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	ltilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)
για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)	energia(em condições climáticas mé	orhold)), årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	voor ruimteverwarming, het jaarlijkse energieverbruik(
- para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)	znamionowa moc cieplna(w warunkach klimatu umiarkowanego) per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche pa	номиналната топлинна мощност(при средни климатични условия) pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions	jmenovitý tepelný výkon(za průměrných klimatických podmínek) für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhä	nimellislämpöteho(keskimääräisissä ilmasto-olosuhteissa) For space heating, annual energy consumption under average climate conditions
la potencia calorífica nominal(en condiciones climáticas medias) η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)	la potenza termica nominale(in condizioni climatiche medie) la Potenzia calorifica nominal(em condições climáticas médias) n	la puissance thermique nominale dans les conditions climatiques moyennes den nominelle nytteeffekt(under gennemsnitige klimaforhold)	die Wärmenenleistung bei durchschnittlichen Klimaverhältnissen Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	Rated heat output under average climate conditions de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)
η ταξη ενεργετικής αποοσσής θερμανσής νερου	A ciasse de enciencia energenca do aquecimento de agua n A ciasse de enciencia energencia de aquecimento de agua n - kiasa efektywności energencia podgrzewania wody - r	класът на енергийната ефективност при подгряване на вода	energierrektivítetsklass via vattenuppvarmning třída energetické účinnosti ohřevu vody	de energie-efficienteklasse voor waterverwarming vedenlämmityksen energiatehokkuusluokka
la clase de eficiencia energética del caldeo de agua	la classe di efficienza energetica del riscaldamento dell'acqua	la classe d'efficacité énergétique, pour le chauffage de l'eau	die Klasse für die Warmwasserbereitungs-Energieeffizienz	Water heating energy efficiency
η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου	A classe de eficiência energética do aquecimento ambiente saconal In lunos normaniones de la constanción constanc	klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmning och orazonage soci rosaun klassen for ársvírkningsgrad ved rumopvarmningsgrad ved	säsongsrelaterade energifektivitetsklass vid rumsuppvärmning	6 de seizoensgebonden energie-efficiëntelkasse voor ruimteverwarming
la clase de eficiencia energética estacional de calefacción	Deklarowany profil obciążeń - la cłasse di efficienza enernetica stanionala del riscaldamento d'ambiente la	Обявен товаров профил а classe d'afficacité épernétique saisonnière nour le chauffage des locaux	Deklarovaný zátěžový profil die Klasse fiir die jehreszeithedingte Raumheizungs-Energieeffizienz	Ilmoitettu kuormitusprofiili
Perfil de carga declarado Δηλωμένο προφίλ φορτίου	Profilo di carico dichiarato Profilo de carga declarado Δ	Profil de soutirage déclaré Angivet forbrugsprofil	Angegebenes Lastprofil Deklarerad belastningsprofil	Declared load profile 5 Opgegeven capaciteitsprofiel
η εφαρμογή σε χαμηλή θερμοκρασία -	a aplicação a baixa temperatura zastosowania w niskich temperaturach -	lavlemperaturanvendelsen нискотемпературни приложения	lägtemperaturapplikation nizkoteplotni aplikace	4 lagetemperatuur-toepassing matalanlämpötilan sovellus
la aplicación de baja temperatura	zastosowania w srednich temperaturach le applicazioni a bassa temperatura la	среднотемпературното приложение l'application à basse température	Strednetepiotri aplikace Niedertemperaturanwendung	Low-temperature application
η εφορμογή σε μέση θερμοκρασία	e applicazioni a media temperatura a aplicação a média temperatura n	riapplication a moyenne temperature middeltemperaturanvendelsen	Mitteltemperaturanwendung mediumtemperaturapplikation	Medium-temperature application 3 middentemperatuur-toepassing
	jednostka wewnętrzna	Вътрешно тяло	Vnitřní jednotka	Sisäyksikkö
unidad interior Εσωτερική μονάδα	unità interna unidade interior E.	unité intérieure Indendørs enhed	Innengerät Inomhusenhet	Indoor unit binnenunit
Εξωτερική μονάδα	unidade exterior E:	Udendørs enhed Behulho 19/10	Utomhusenhet Venkovní jednotka	1 buitenunit Ulkoyksikkö
Lunidad exterior	Polski - unità esterna un	Български unité extérieure	Čeština Außengerät	suomi Outdoor unit
Español Ελληνικά	Italiano E. Português E.	Français Dansk	Deutsch Svenska	English Nederlands
	<u>, </u>			
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Model(s):		Outdoor uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	EHSD-***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:				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	ηs	141	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 ° C and outdoor temperat	ture T j			part load at indoor temperature 20°C and	outdoor te	mperature Tj	İ
Tj = − 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	2. 18	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	3. 49	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 85	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	3. 9	kW	Tj = +12 ° C	COPd	6. 61	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1. 92	_
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	1. 92	_
			•				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8021	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	Manisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
育藤健一				Manager, Quality Assuarance Department			
12 11 11 Dr Dr							

- · 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.

TURKEY

^(***) 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 uni	t:	PUZ-SHWM140VAA				
		Indoor unit	:	EHSD-***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:				no				
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	183	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj		
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	3. 00	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	4. 59	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	6. 00	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 19	-	
Degradation co-efficient (**)	Cdh	0. 97	-					
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 55	-	
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 55	-	
			•					
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	°C	
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than	active m	ode		Supplementary heater		•		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{T0}	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	${\rm m}^3/{\rm h}$	
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	6227	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	-	kWh					
Contact details		TUDUEV :						
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - Ma	anisa, Turkey	
The identification and signature of th	e hei sou	empowered 1	נט טוווט נחפ	e supplier; Kenichi SAITO				
The signature is signed in the average clim	mate / medi	um-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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	EHSD-***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:				no			
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	115	%
Declared capacity for heating for part	load at	indoor	ı	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	8. 5	kW	Tj = - 7 ° C	COPd	2. 63	_
Degradation co-efficient (**)	Cdh	1. 00	_				
Tj = + 2 ° C	Pdh	5. 2	- kW	Tj = + 2 ° C	COPd	3. 49	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	4. 2	- kW	Tj = + 7 ° C	COPd	4. 40	_
Degradation co-efficient (**)	Cdh	0. 98	- "		001 u	1. 10	
Tj = +12 ° C	Pdh	4. 2	- kW	Tj = +12 ° C	COPd	6. 92	_
Degradation co-efficient (**)	Cdh	0. 98			00. 0	0.02	
Tj = bivalent temperature	Pdh	11. 8	- kW	Tj = bivalent temperature	COPd	1. 53	_
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 55	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	- kW	$T_{j} = -15 ^{\circ} C \text{ (if TOL } < -20 ^{\circ} C)$	COPd	1. 52	_
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	active mo	de		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	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	dBA			'	
Annual energy consumption	\mathbf{Q}_{HE}	11650	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh		%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - M	Manisa, 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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	EHSD-***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:				no			
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	153	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = − 7 ° C	Pdh	8. 3	kW	Tj = - 7 ° C	COPd	3. 65	
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	4. 59	
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 6	kW	Tj = + 7 ° C	COPd	5. 15	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 3	kW	Tj = +12 ° C	COPd	8. 80	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	11. 8	kW	Tj = bivalent temperature	COPd	2. 03	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 79	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 05	-
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	active mo	ode		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	0. 015	kW			•	
Standby mode	P_SB	0. 015	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P_{CK}	0.000	kW		l		
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8841	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TIIRKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - N	Manisa Turkey
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	F - 7 99.1			Kenichi SAITO			
The signature is signed in the average clim	nate / medi	um-temperatu	re 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-SHWM140VAA				
		Indoor unit	:	EHSD-***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:				no				
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	156	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor te	mperature 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	2. 00	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 7 ° C	Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3. 27	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	5. 5	kW	Tj = +12 ° C	COPd	5. 50	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 00	-	
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 00	-	
Bivelent temperature	Thiv	2	° C	Operation limit temperature	TOL	-30	° C	
Bivalent temperature Reference design conditions for space	Thiv	2	° C	Operation limit temperature Heating water operating limit	TOL		° C	
heating	Tdesignh		U	temperature	WTOL	60		
Power consumption in modes other than				Supplementary heater				
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P _{T0}	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				Rated air flow rate, outdoors		0040	3	
Capacity control		variable	in.	Nation all from rate, outdoord	-	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	Q _{HE}	4715	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	_	kWh					
Annual electricity consumption Contact details	AEC	-	kWh					
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING	TURKEY JOINT ST	FOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:19 Yunusemre - M	lanisa, Turkev	
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				Kenichi SAITO				
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				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 uni	t:	PUZ-SHWM140VAA					
		Indoor unit	:	EHSD-****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:				no					
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	225	%		
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for			
temperature 20 ° C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature 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. 24	-		
Degradation co-efficient (**)	Cdh	1.00	-						
Tj = + 7 ° C	Pdh	9. 0	kW	Tj = + 7 ° C	COPd	5. 15	-		
Degradation co-efficient (**)	Cdh	0. 99	-						
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 18			
Degradation co-efficient (**)	Cdh	0. 98	-						
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	3. 24	-		
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 24	-		
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	active mo	ode		Supplementary heater		1			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{T0}	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	dBA						
Annual energy consumption	\mathbf{Q}_{HE}	3279	kWh						
For heat pump combination heater:			•						
Declared load profile		-		Water heating energy efficiency	η wh	-	%		
Daily electricity consumption	Qelec	-	kWh						
Annual electricity consumption	AEC	-	kWh						
Contact details									
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - Ma	anisa, Turkey		
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The signature is signed in the average clim	nate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department					
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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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-***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:				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	η s	142	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = − 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	2. 18	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	3. 49	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	3. 9	kW	Tj = +12 ° C	COPd	6. 61	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1. 92	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	1. 92	-
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active m	ode		Supplementary heater			
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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			L				
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	7965	kWh				
For heat pump combination heater:			.				
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details			L				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	anisa, Turkey
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香藤健一				Kenichi SAITO Manager, Quality Assuarance Department			
12 HJr Dt -				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 uni	t:	PUZ-SHWM140VAA				
		Indoor unit	:	ERSD-****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:				no				
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	184	%	
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor te	emperature Tj		
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	3. 00	-	
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	4. 59	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	6. 00	-	
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 19	-	
Degradation co-efficient (**)	Cdh	0. 97	-					
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 55	-	
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 55	-	
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C	
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	° C	
Power consumption in modes other than	active mo	ode		Supplementary heater		<u> </u>		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P_{T0}	0. 015	kW		<u></u>			
Standby mode	P_{SB}	0. 015	kW	Type of energy input	ı	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW		ı			
Other items		L						
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m³/h	
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	6172	kWh					
For heat pump combination heater:		· ·						
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	_	kWh					
Contact details				-				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING 1	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:19 Yunusemre - Ma	anisa, Turkey	
The identification and signature of th	e person	empowered	to bind th					
The signature is signed in the average clin	mate / medi	um-temperatu	re section.	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 uni	t:	PUZ-SHWM140VAA				
		Indoor unit	::	ERSD-***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:				no				
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	116	%	
Declared capacity for heating for part	load at	indoor	I	Declared coefficient of performance or prim	nary energy	ratio for		
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj		
Tj = − 7 ° C	Pdh	8. 5	kW	Tj = − 7 ° C	COPd	2. 63		
Degradation co-efficient (**)	Cdh	1.00	-					
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 49		
Degradation co-efficient (**)	Cdh	0. 99	-					
Tj = + 7 ° C	Pdh	4. 2	kW	Tj = + 7 ° C	COPd	4. 40	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = +12 ° C	Pdh	4. 2	kW	Tj = +12 ° C	COPd	6. 92	-	
Degradation co-efficient (**)	Cdh	0. 98	_					
Tj = bivalent temperature	Pdh	11.8	kW	Tj = bivalent temperature	COPd	1. 53	-	
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 55	-	
Tj = - 15 $^{\circ}$ C (if TOL $<$ - 20 $^{\circ}$ C)	Pdh	11.4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 52	-	
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	active mo	de	•	Supplementary heater				
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW	
Thermostat-off mode	P_{T0}	0. 015	kW		1	•		
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	${\rm m}^3/{\rm h}$	
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA					
Annual energy consumption	\mathbf{Q}_{HE}	11617	kWh					
For heat pump combination heater:			•					
Declared load profile		-		Water heating energy efficiency	η wh	-	%	
Daily electricity consumption	Qelec	-	kWh					
Annual electricity consumption	AEC	_	kWh					
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	lu Bulvari No:	19 Yunusemre - N	Manisa, Turkey	
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				Kenichi SAITO				
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^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

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

Model(s):		Outdoor uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	ERSD-***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:				no			
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	154	%
Declared capacity for heating for part	load at	indoor	I	Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	į
Tj = − 7 ° C	Pdh	8. 3	kW	Tj = - 7 ° C	COPd	3. 65	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	4. 59	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 6	kW	Tj = + 7 ° C	COPd	5. 15	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 3	kW	Tj = +12 ° C	COPd	8. 80	_
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	11. 8	kW	Tj = bivalent temperature	COPd	2. 03	_
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 79	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 05	-
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	active mo	ode		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	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	dBA				•
Annual energy consumption	\mathbf{Q}_{HE}	8807	kWh				
For heat pump combination heater:			,				
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TIIRKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - N	Manisa Turkey
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	F = 1 0011			Kenichi SAITO			
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				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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-***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:				no			
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	158	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature 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	2. 00	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3. 27	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	5. 5	kW	Tj = +12 ° C	COPd	5. 50	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 00	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 00	-
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	T0L	-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	active mo	ode		Supplementary heater		'	
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4649	kWh				
For heat pump combination heater:			,	•			
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - Ma	anisa, Turkey
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		•		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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-***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:				no			
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	230	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 ° C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature 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. 24	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	9. 0	kW	Tj = + 7 ° C	COPd	5. 15	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 18	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	3. 24	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	C0Pd	3. 24	-
			İ				
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	T0L	-30	° C
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active m	ode		Supplementary heater			
Off mode	P_{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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	${ m m}^3/{ m h}$
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	3212	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	_	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details	MUELOTUE	TUDIEN IOTHE		W	n	.10 V	
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - M	anisa, Turkey
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,				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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	EHSD-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:				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	ηs	141	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 ° C and outdoor temperat	ture T j			part load at indoor temperature 20°C and	outdoor te	mperature Tj	İ
Tj = − 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	2. 18	_
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	3. 49	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 85	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	3. 9	kW	Tj = +12 ° C	COPd	6. 61	_
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1. 92	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	1. 92	_
		<u> </u>	1				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode	l	Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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	m^3/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8021	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - M	Manisa, Turkey
The identification and signature of the	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
育藤健一				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.

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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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	EHSD-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:				no			
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	183	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 $^{\circ}$ C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	emperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	3. 00	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	C0Pd	4. 59	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	6. 00	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 19	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 55	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 55	-
			•				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-10	° C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	ode		Supplementary heater		I	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW				
Standby mode	P_{SB}	0. 015	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P _{CK}	0.000	kW		ı		
Other items		L					
Capacity control		variable		Rated air flow rate, outdoors	_	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	6227	kWh				
For heat pump combination heater:		I					
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details		1		1-1			
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING 1	TURKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No	:19 Yunusemre - Ma	anisa, 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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	EHSD-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:				no			
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	115	%
Declared capacity for heating for part	load at	indoor	ı	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	8. 5	kW	Tj = - 7 ° C	COPd	2. 63	_
Degradation co-efficient (**)	Cdh	1. 00	_				
Tj = + 2 ° C	Pdh	5. 2	- kW	Tj = + 2 ° C	COPd	3. 49	_
Degradation co-efficient (**)	Cdh	0. 99	-		20. 4	3. 13	
Tj = + 7 ° C	Pdh	4. 2	- kW	Tj = + 7 ° C	COPd	4. 40	_
Degradation co-efficient (**)	Cdh	0. 98	- "		001 u	1. 10	
Tj = +12 ° C	Pdh	4. 2	- kW	Tj = +12 ° C	COPd	6. 92	_
Degradation co-efficient (**)	Cdh	0. 98		.,	20. 4	0.02	
Tj = bivalent temperature	Pdh	11. 8	- kW	Tj = bivalent temperature	COPd	1. 53	_
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 55	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	- kW	$T_{j} = -15 ^{\circ} C \text{ (if TOL } < -20 ^{\circ} C)$	COPd	1. 52	_
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	active mo	de	•	Supplementary heater		1	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	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	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	11650	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - M	Manisa, Turkey
The identification and signature of th	e person	empowered	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average clim	nate / mediu	um-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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	::	EHSD-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:				no			
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	153	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			 part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	8. 3	kW	Tj = - 7 ° C	COPd	3. 65	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	4. 59	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	4. 6	kW	Tj = + 7 ° C	COPd	5. 15	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 3	kW	Tj = +12 ° C	COPd	8. 80	_
Degradation co-efficient (**)	Cdh	0. 97	_				
Tj = bivalent temperature	Pdh	11. 8	kW		COPd	2. 03	_
Tj = operation limit temperature (***)	Pdh	10. 7	kW		COPd	1. 79	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 05	_
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	active mo	ode	I	Supplementary heater		<u> </u>	
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	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			l .				
Capacity control		variable		Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8841	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	TIIRKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - N	Manisa Turkey
The identification and signature of th							ruinoy
	F = 1 0011			Kenichi SAITO			
The signature is signed in the average clim	mate / medi	um-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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	EHSD-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:				no			
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	156	%
Declared capacity for heating for part	load at	indoor	•	Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor ter	mperature 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	2. 00	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 7 ° C	Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3. 27	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	5. 5	kW	Tj = +12 ° C	COPd	5. 50	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 00	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 00	-
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	2	° C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de	l .	Supplementary heater		<u> </u>	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW			•	
Standby mode	P_SB	0. 015	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	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4715	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							_
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - M	lanisa, Turkey
The identification and signature of th	e person	empowered	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average clim	nate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
<u> </u>				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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	EHSD-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:				no			
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	225	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20°C and	outdoor ter	mperature 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. 24	-
Degradation co-efficient (**)	Cdh	1.00	-			<u> </u>	
Tj = + 7 ° C	Pdh	9. 0	kW	Tj = + 7 ° C	COPd	5. 15	-
Degradation co-efficient (**)	Cdh	0. 99	-			<u> </u>	
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 18	-
Degradation co-efficient (**)	Cdh	0. 98	-			<u> </u>	
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	3. 24	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 24	-
Bivalent temperature	Tbiv	2	° C	Operation limit temperature	T0L	-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	active mo	ode		Supplementary heater		•	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW		1	•	
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	dBA			<u> </u>	
Annual energy consumption	\mathbf{Q}_{HE}	3279	kWh				
For heat pump combination heater:			·				
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	_	kWh				
Annual electricity consumption	AEC	_	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	19 Yunusemre - M	anisa, Turkey
The identification and signature of th	e person	empowered t	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average clir	nate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
				TURKEY			

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

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

^(**) 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.

Independent Part	Model(s):		Outdoor uni	t:	PUZ-SHWM140VAA			
Riter-to-matter heat pump: no			Indoor unit	:	ERSD-MED			
Description Description	Air-to-water heat pump:				yes			
Carriporal with a supplementary hoster:	Water-to-water heat pump:				no			
The composition The continuit composition The contin	Brine-to-water heat pump:				no			
Parameters for medium-temperature application.	Low-temperature heat pump:				no			
Parameters for	Equipped with a supplementary heater:				no			
Parameter's for	Heat pump combination heater:				no			
Item	Parameters for				medium-temperature application.			
Rated heat output (*)	Parameters for				average climate conditions.			
Declared capacity for heating for part load at indoor temperature 20° C and outdoor temperature T j per 7° C Degradation co-efficient (++) Degradation co-e	Item	Symbol	Value	Unit		Symbol	Value	Unit
temperature 20 ° C and outdoor temperature T j T j = 7 ° C	Rated heat output (*)	Prated	14. 0	kW		ηs	142	%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
Degradation co-efficient (++) Cdh 1.00 - Tj = +2 ° C CoPd 3.49 -	temperature 20 $^{\circ}$ C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = + 2 ° C	Tj = - 7 ° C	Pdh	12. 4	kW	Tj = - 7 ° C	COPd	2. 18	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	1.00	-				
Tj = 7 ° C	Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	3. 49	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Tj = + 7 ° C	Pdh	6. 3	kW	Tj = + 7 ° C	COPd	4. 85	-
Degradation co-efficient (**) Cdh 0.98	Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh 14.0 kW Tj = operation limit temperature Tj = operation limit temperature (***) Bivalent temperature Reference design conditions for space heating Tdesignh To ° C Reference design conditions for space heating Off mode Powr consumption in modes other than active mode Off mode Pro Oon 0.015 NW Thermostat-off mode Standby mode Crankcase heater mode Pro Condot items Capacity control Sound power level, indoors/outdoors Annual energy consumption Qne Tige bivalent temperature Tige operation limit temperature ToL Heating water operating limit WTOL 60 ° C Supplementary heater Rated heat output (*) Psup O.0 kW Type of energy input Electrical Capacity control Sound power level, indoors/outdoors Annual energy consumption Qne Tige operation limit temperature ToL Heating water operating limit WTOL 60 ° C Supplementary heater Rated heat output (*) Psup O.0 kW Type of energy input Electrical Rated air flow rate, outdoors - 2640 m²/h Water heating energy efficiency Tywh - % Contact details MISUBISHSH LECRICA IR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Maniss OSB 4.Kisim Kecilikoyosh Mah. Armet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier:	Tj = +12 ° C	Pdh	3. 9	kW	Tj = +12 ° C	COPd	6. 61	-
Tj = operation limit temperature (***) Pdh	Degradation co-efficient (**)	Cdh	0. 98	-				
Bivalent temperature Reference design conditions for space Reference design conditions for space Reference design conditions for space Reference design conditions for space Reference design conditions for space Reference design conditions for space Tdesignh -10 ° C Heating water operating limit WTOL 60 ° C Heating water operating limit WTOL 60 ° C Heating water operating limit WTOL 60 ° C Supplementary heater Rated heat output (*) Psup 0.0 kW Type of energy input Electrical Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Que 7965 kWh For heat pump combination heater: Declared load profile Daily electricity consumption Que 7965 kWh Annual electricity consumption AEC - kWh Annual electricity consumption AEC - kWh Annual electricity consumption AEC - kWh MITSUBISHI ELECTRIC AIR COMDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa 088 4.Kisim Kecilikoyosb Mah. Almet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier:	Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	1. 92	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode	Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	1. 92	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode								
The state The	Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	T0L	-30	° C
Power consumption in modes other than active mode Off mode Off mode Thermostat-off mode Standby mode Crankcase heater mode Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Outer Declared load profile Daily electricity consumption AEC 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:		Tdes i gnh	-10	° C		WTOL	60	°C
Thermostat-off mode		active m	ode				-1	
Standby mode Crankcase heater mode Pok O.015 KW Type of energy input Electrical Crankcase heater mode Pok O.000 KW Type of energy input Electrical For heat pump combination heater: Declared load profile Daily electricity consumption Annual elec	Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Crankcase heater mode Pox 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 dBA Annual energy consumption QHE 7965 kWh For heat pump combination heater: Declared load profile - Water heating energy efficiency 7 wh - % Daily electricity consumption Qelec - kWh Annual electricity consumption AEC - kWh MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier:	Thermostat-off mode	P_{T0}	0. 015	kW				
Other items Capacity control variable Rated air flow rate, outdoors - 2640 m³/h Sound power level, indoors/outdoors LwA 41 / 58 dBA Annual energy consumption QHE 7965 kWh For heat pump combination heater: Declared load profile - Water heating energy efficiency 7 wh - % Annual electricity consumption Qelec - kWh Annual electricity consumption AEC - kWh MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier:	Standby mode	P_SB	0. 015	kW	Type of energy input		Electrical	
Capacity control Sound power level, indoors/outdoors Annual energy consumption QHE 7965 kWh For heat pump combination heater: Declared load profile Daily electricity consumption Qelec Annual electricity consumption Qelec Annual electricity consumption AEC 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:	Crankcase heater mode	P_{CK}	0.000	kW				
Sound power level, indoors/outdoors Annual energy consumption OHE Top heat pump combination heater: Declared load profile Daily electricity consumption OHE OHE OHE OHE OHE OHE OHE OH	Other items		•	•				
Annual energy consumption Q _{HE} 7965 kWh For heat pump combination heater: Declared load profile	Capacity control		variable		Rated air flow rate, outdoors	_	2640	m ³ /h
For heat pump combination heater: Declared load profile	Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Declared load profile Daily electricity consumption Annual electricity consumption AEC MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier: Water heating energy efficiency N wh 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:	Annual energy consumption	\mathbf{Q}_{HE}	7965	kWh				
Daily electricity consumption Qelec	For heat pump combination heater:							
Annual electricity consumption AEC - kWh Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey The identification and signature of the person empowered to bind the supplier:	Declared load profile		-		Water heating energy efficiency	η wh	-	%
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier:	Daily electricity consumption	Qelec	-	kWh				
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY The identification and signature of the person empowered to bind the supplier: 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:	Annual electricity consumption	AEC	-	kWh				
The identification and signature of the person empowered to bind the supplier:	Contact details							
						u Bulvari No:	19 Yunusemre - M	lanisa, Turkey
Manager, Quality Assuarance Department		ne person	empowered	to bind the				
	百熊/建一							

- · 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.

TURKEY

Model(s):		Outdoor uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-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:				no			
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	184	%
Declared capacity for heating for part	load at	indoor	•	Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	outdoor te	emperature Tj	
Tj = - 7 ° C	Pdh	12. 4	kW	Tj = − 7 ° C	COPd	3. 00	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	7. 5	kW	Tj = + 2 ° C	COPd	4. 59	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	6. 4	kW	Tj = + 7 ° C	COPd	6. 00	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 1	kW	Tj = +12 ° C	COPd	7. 19	_
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 55	-
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 55	-
			I				
Bivalent temperature	Tbiv	-10	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdesignh	-10	° C	Heating water operating limit temperature	WTOL	60	° C
Power consumption in modes other than	active mo	ode		Supplementary heater			
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	0. 015	kW			<u> </u>	
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	m^3/h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	6172	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details	NULL ACTURENCE T	FUDICEV IOINT O	TOOK OOMDANY	W : 000 4 K; ; K :1!! W W W W S 7	D 1 N .	.10 V	
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA The identification and signature of th				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl e supplier;	u Bulvari No:	.19 Tunusemre - M	ıanısa, Turkey
nno ruentirroation and Signature of tr	io person	ciiibowei ea	נט טוווט נו	Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
				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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-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:				no			
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	116	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperatu	ure T j			part load at indoor temperature 20 °C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	8. 5	kW	Tj = - 7 ° C	COPd	2. 63	_
Degradation co-efficient (**)	Cdh	1. 00	_				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	3. 49	_
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = + 7 ° C	Pdh	4. 2	kW	Tj = + 7 ° C	COPd	4. 40	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	4. 2	kW	Tj = +12 ° C	COPd	6. 92	_
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = bivalent temperature	Pdh	11. 8	kW		COPd	1. 53	_
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 55	_
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11. 4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 52	_
Bivalent temperature	Tbiv	-16	° C	Operation limit temperature	TOL	-30	° C
Reference design conditions for space heating	Tdes i gnh	-22	° C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than	active mo	de		Supplementary heater			
Off mode	P _{OFF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	0. 015	kW			•	
Standby mode	P_{SB}	0. 015	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	m^3/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	11617	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh		%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAN				Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	u Bulvari No:	19 Yunusemre - M	Manisa, Turkey
The identification and signature of the	e person	empowered	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average clim	nate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
				TURKEY			

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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 uni	t:	PUZ-SHWM140VAA			
		Indoor unit	:	ERSD-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:				no			
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	154	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = − 7 ° C	Pdh	8. 3	kW	Tj = - 7 ° C	COPd	3. 65	
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	5. 2	kW	Tj = + 2 ° C	COPd	4. 59	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 6	kW	Tj = + 7 ° C	COPd	5. 15	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	4. 3	kW	Tj = +12 ° C	COPd	8. 80	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	11. 8	kW	Tj = bivalent temperature	COPd	2. 03	-
Tj = operation limit temperature (***)	Pdh	10. 7	kW	Tj = operation limit temperature (***)	COPd	1. 79	-
Tj = -15 ° C (if $TOL < -20$ ° C)	Pdh	11. 4	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	2. 05	-
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	active mo	ode		Supplementary heater		1	
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	3. 3	kW
Thermostat-off mode	P_{T0}	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	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	8807	kWh				
For heat pump combination heater:			,	-			
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUIEACTUDING T	TIDKEN TUTNIL 6	LUCK COMBANA	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Rulvari No:	10 Vunusamra - N	Janica Turkov
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assauron and orginature of th		po#0100	~ IIIM CII	Kenichi SAITO			
The signature is signed in the average clim	nate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
				TURKEY			

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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-SHWM140VAA			
		Indoor unit	:	ERSD-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:				no			
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	158	%
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for	
temperature 20 °C and outdoor temperat	ure T j			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	2. 00	_
Degradation co-efficient (**)	Cdh	1. 00	-				
Tj = + 7 ° C	Pdh	8. 8	kW	Tj = + 7 ° C	COPd	3. 27	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	5. 5	kW	Tj = +12 ° C	COPd	5. 50	_
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	2. 00	_
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	2. 00	-
			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	active mo	ode	Supplementary heater		_LL		
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{T0}	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	dBA				
Annual energy consumption	\mathbf{Q}_{HE}	4649	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MAI				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorl	u Bulvari No:	:19 Yunusemre - M	lanisa, Turkey
The identification and signature of th	e person	empowered	to bind th	e supplier; Kenichi SAITO			
The signature is signed in the average clim	Manager, Quality Assuarance Department						
			TURKEY				

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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-SHWM140VAA						
	Indoor unit	:	ERSD-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:				no						
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	η s	230	%			
Declared capacity for heating for part	load at	indoor		Declared coefficient of performance or prim	ary energy	ratio for				
temperature 20 °C and outdoor temperat	ure T j			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. 24	-			
Degradation co-efficient (**)	Cdh	1.00	-							
Tj = + 7 ° C	Pdh	9. 0	kW	Tj = + 7 ° C	COPd	5. 15	-			
Degradation co-efficient (**)	Cdh	0. 99	-							
Tj = +12 ° C	Pdh	5. 1	kW	Tj = +12 ° C	COPd	7. 18	-			
Degradation co-efficient (**)	Cdh	0. 98	-							
Tj = bivalent temperature	Pdh	14. 0	kW	Tj = bivalent temperature	COPd	3. 24	-			
Tj = operation limit temperature (***)	Pdh	14. 0	kW	Tj = operation limit temperature (***)	COPd	3. 24	-			
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	active mo	ode	Supplementary heater		1					
Off mode	P _{0FF}	0. 015	kW	Rated heat output (*)	Psup	0.0	kW			
Thermostat-off mode	P_{T0}	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	dBA							
Annual energy consumption	\mathbf{Q}_{HE}	3212	kWh							
For heat pump combination heater:										
Declared load profile		-		Water heating energy efficiency	η wh	-	%			
Daily electricity consumption	Qelec	-	kWh							
Annual electricity consumption	AEC	-	kWh							
Contact details										
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4. Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey										
The identification and signature of the person empowered to bind the supplier; Kenichi SAITO										
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