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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 813/2013.

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Construction         End of a constrution         End o	de seizoensg	die Klasse nur die Jahreszeittedingte kaummerzungs-Energieerinzenz säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning	la classe d'emcacite energetique saisonniere, pour le criauriage ues iucaux klassen for årsvirkningsgrad ved rumopvarmning
Barter de Bar	tilalämmityks Water heatin	3 0	класът на сезонната отоплителна енергийна ефективност la rlasse rl'efficacité énercéticue. cour le chaufface de l'eau
Constraint         Constraint <thconstraint< th="">         Constraint         Constrai</thconstraint<>	de energie-et	energieffektivitetsklass vid vattenuppvärmning	- arsvirkningsgrad ved vandopvarmning
Bern Reserved Subjects         Bern Reserved Subjects<	vedenlä Rated h	třída energetické účinnosti ohřevu vody die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	енергийната ефективност при подгряване ce thermique nominale dans les conditions cli
Construction         Construction<	de nominale warmteafgifte(onder gemiddelde klimaat	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	elle nytteeffekt(under gennemsnitlige klimafo
Number         Number<	inmasto-olosunte	vykon(za prumernych kiimatickych podminek) ing, den jährlichen Energieverbrauch bei durchschnittlichen Klim	ата топлинна мощност(при средни климатични условия) uffage des locaux, la consommation annuelle d'énergie(dans
Numerical (No. 1)         Contrast (No. 1) <thcontrast (no.="" 1)<="" th=""> <thcontrast (no.="" 1)<="" <="" td=""><td>voor niimtevenvarmino het iaarliikse energieverbruik(onder gemiddelde</td><td>suppyärmning ärlig energiförbri kning/vid genomsnittling klimatförbållande</td><td>s moyennes) armning det årlige energiforbrug(under gennemsnitlige klimaf</td></thcontrast></thcontrast>	voor niimtevenvarmino het iaarliikse energieverbruik(onder gemiddelde	suppyärmning ärlig energiförbri kning/vid genomsnittling klimatförbållande	s moyennes) armning det årlige energiforbrug(under gennemsnitlige klimaf
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Sector         Sector<	skimääräisissä ilmasto-olosuhteissa)	roční spotřeba energie za průměrných klima	отопление, годишното потребление на енергия(при средни климатични условия)
Numery of weight weig	annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	ur le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions natiques moyennes)
Construction </td <td>voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandicheden)</td> <td>ärmning, årlig elförbruknir</td> <td>vandopvarmning det</td>	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandicheden)	ärmning, årlig elförbruknir	vandopvarmning det
Constrained by any direct years of priority for any opping	mmaatomasamagineaan) vedenlänmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)	ohřev vody – roční spotřeba elektrické energie za	за подгряване на вода, годишното потребление(при средни климатични условия)
Construction </td <td></td> <td>jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klima</td> <td>ve saisonnière pour le chauffage des locaux(dans les</td>		jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klima	ve saisonnière pour le chauffage des locaux(dans les
NetworkAnd service of a service	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder	medelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållar	es) ved rumopvarmning(under gennemsnitlige klimaforhold)
Operation         Operation <t< td=""><td>klimaatomstandigheden) tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilm</td><td>nnost vytápění za průměrných klimatických podmínek</td><td>на ефективност при отопление(при средни климатични условия)</td></t<>	klimaatomstandigheden) tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilm	nnost vytápění za průměrných klimatických podmínek	на ефективност при отопление(при средни климатични условия)
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Description of the property of the pro	<	průměrných klimatických podmír	ефективност при подгряване на вода(при средни климатични услов
But And Constraint Service         But Service Service         But Service Service         But Service Service         But Service Service         Service Service Service         Service Service Service         Service Service Service         Service Service Service Service         Service Servic	Sound power level L <sub>WA</sub> indoor	der Schallleistungspegel L <sub>WA</sub> , in Gebäuden	le niveau de puissance acoustique L wa , à l'intérieur
Marcine unity on an environmentBuild and selection belonging in the selection	13 het geluidsvermogensniveau L <sub>WA</sub> binnen äänitehotaso L <sub>WA</sub> sisällä	Ljudeftektnivá L <sub>WA</sub> i inomhus hladina akustického výkonu L <sub>WA</sub> ve vniťňním prostoru	lydeffektniveauet L <sub>WA</sub> i inde нивото на звуковата мощност L <sub>WA</sub> на закрито
Burger and Labor. Many and Burger and Labor. Since and	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionner qu'en heures creuses
Balance and and an and a series of an analysis of an analy	14 werken utsluttend in de daluren toimimaan ainoastaan kulutushuippujen ulkopuolella	drīvas uteslutande under perioder med lag belastning provozu pouze mimo špičku	Tungere uden tor spidsbelastningsperioder работи само в часовете извън върховото натоварване
Citery and with a binary balance from an under the second of the seco	Rated heat output under colder climate conditions 15 Ide nominale warmteafgifte, onder koudere klimaatomstandigheden	die Wärmenennleistung bei kälteren Klimaverhältnissen Nominell avgiven värmeeffekt vid kallare klimatförhållanden	la puissance thermique nominale, dans les conditions climatiques plus froides den nominelle nytteeffekt under koldere klimaforhold
Constraint         Constra	nimellislämpöteho, kylmissä	chladnějších klimati	номиналната топлинна мощност при по-студени климатични усповия la ruissance therminue nominale dance les conditions climaticues plus chaudes
Construction         Construction<	kated neat output under wa de nominale warmteafgifte,	ekt vid varmare klima	lia puissance mermique nominale, dans les conditions climatiques plus chaudes den nominelle nytteeffekt under varmere klimaforhold
number of a number	nimellislämpöteho, lämpimissä ilmasto-olosuhteissa Eor space heating annual energy consumption under colder clin	výkon za teplejších klimatických podmínek una der išbrliche Energieverbrauch hei kálteren Klimaverbá	та топлинна мощност при по-топли климатични условия #ало des locality. la consommation annuelle d'énercie, dans les
converte converte converte supercharance superchara	· · · · · · · · · · · · · · · · · · ·		plus froides
Instrume         Instrum         Instrume         Instrume	voor runnieverwanning, net jaariijkse energieverbruik onber klimaatomstandigheden		aer suide eilei diioi bind midei kondele viimaiomidu
For proor handly, a mult energy consumption under warmer dinate conditions         End of a family and under grant dinate conditions	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa		эние, годишното потребление на енергия при по-студени климатични услови
Curr universandEdit number of a number of	rgy consumption under warmer cl	umheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	ffage des locaux, la consommation annuelle d'énergie, dans les conditions
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Event where heading, annual energy consumption under coder of meter condroms         End devention an under of electricity, dans he condroms         End devention an under of elect	tilal	ápění – roční spotřeba energie za teplejších klimatických podmínek	е, годишното потребление на енергия при по-топли климатични условия
Non-vene-venering: het jaarlike eelkrichekverbrak onder kondere         Instance	For water heating, annual energy consumption under colder climate conditions	Warmwasserbereitung, der jährliche	e l'eau, la consommation annuelle d'électricité, dans les conditions
Instrumentangingenin         Instrumen	voor waterverv	ssen vattenuppvärmning, årlig elförbrukning	g det årlige elforbrug under koldere klimaforhold
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Name         Instant         I	nergy consumption under warmer climate	rmwasserbereitung, der jährliche Stromverbrauch bei wärmeren	ни условия ни условия chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions
Non-waterwarming, nig annyce eventroeleswarming, ang entrochung under ramae eunancen         For vanouvparming, ang entrochung under roma         Final experimentation           vanouvparming, vanouvparming, ang entrochung         For othew rody - rochi spitriba elektrick energies z telejisch klinatolych podmink         anauvpaeue augu, roppaeve augustro podrevene elektrick energies z telejisch klinatolych podmink         anauvpaeue augu, roppaeve augustro podrevene elektrick energies z telejisch klinatolych podmink         remazination         <	i oi wara i realing, annuar ana gy consumption unior wanner unnas condutons voor waterverwarning het iaarliikes elektriciteiteverhnik onder warmere	annwasserberending, der Jannindre Onornverbra	natiques plus chaudes vandonvarmning det årlige elfo
wdenilimmitykastä wuluinen sähkörikuluus lämpinisal innasto-olsuhteisapro ohiev vody - notri spotfeba elektride energie za teplejäch kimalickych podminekan narpmaene ne spat, namunoro norpeforeme energiene on podraze nergiene on podraze neregiene on po	voor waterverwarming, net jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	huppvarmning, arlig eltorbrukning under varma	vandopvarmning det arlige elfororug under varmere klimatorhold
Seasonal space hading energy efficiency under coder climate conditions         de jahreszeibednege Effizientis voor ruintevervarming onder koudere         Bisangsmedie/koude         Ferdige effizientis voor ruintevervarming onder koudere         Ferdige effizientis voor ruintevervarming onder koudere konder koudere koud	vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmír	зане на вода, годишното потребление на електроенергия при по-топли клим повия
Geschenzigsborden erergierficiente voor uninterververming onder koudere         Sisongsmedelverkningsgreid for rumsupprämming under kalare klimatichallanden         Ensistentingsgreiden verzinzengeletentik         All ficiencia erergietentik         All ficiencia ererergietentik         All ficiencia erergietent	Seasonal space heating energy efficiency under colder climate conditions	dingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnis:	énergétique saisonnière pour le chauffage des locaux, dans les conditions
Image: Instance         Sezonni energieticki účinnost vylapeni za chladnějšich klimatických podmínek         Cesonera enerpieticki energieticki v protene npm no-cryzem vrumare vruma voroem klimatorich podmínek         Cesonera energieticki v protene npm no-cryzem vrumare         Inflienza energietica sag           Ge seloneragebonden energie efficiente vor rumevemaming onder varmere         Ge seloneragebonden energie efficiente vor rumevemaming onder varmere         Sasongsmedelverkningsgrad för rumsupprämming under varmare klimatorihallanden         Feficacité énergétique sasonniere pour le chauffage des locaux, dans les conditions         Calde           Valar heating energy efficiency under colder climate colder climate colder climate orditions         Gescongspedenene         Feficacité énergétique pour le chauffage des locaux, dans les conditions         A efficinca energética do lumatority vipeni za teplejšich klimatických podminek         Cesonerage efficiente vor varmere klimatorihold         A efficienza energética di nodes           Ge energie-efficiente vor valencemarming onder kurater klimatorihole         Ge legisficiente vor valencemarming under klimatorihole         Feficienza energética di firdes         Gesconeragebonden         Feficienza energética di nodes         Gesconeragebonden         Gesconeragebonden <td>de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder</td> <td>smedelverkningsgrad för rumsuppvärmni</td> <td>ved rumopvarmnir</td>	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder	smedelverkningsgrad för rumsuppvärmni	ved rumopvarmnir
Seasonal space heating energy efficiency under warmer climate conditions         de jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhälnissen         Fefficacité energietue saisonnière pour le chauffage des locaux, dans les conditions         Fefficacité energietues           de seizoensgebonden energie-efficientle voor ruimteverwarming onder warmere         Säsongsmedelverkningsgrad för rumsupprämming under varmare klimatförhållanden         Fefficacité energietues         Caudes         Ca	kiiritadorristarituigriederi tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olost	nost vytápění za chladnějších klimatických	енергийна ефективност при отопление при по-студени климатични условия
escoresignedclimatiques plus chardesclimatiques plus chardes	mer climate	jahreszelthedinate Raumheizrungs-Energieeffizienz hei wärmeren Klimaverhältniss	ue saisonnière nour le chauffane des locaux dans les conditions
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Natistationen energiatehokkus lämpinissä ilmasto-olosuhteissa         sezonni energetick ücinnost vytäpěni za teplejšich klimatických podmínek         cesonhara eneprviha edekrivehocr npv oronnenve npv no-ronnv krivmatriveh ycnoeva         sezonova elektywność en           Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden         Genergiefficienz bei kälteren Klimaverhältnissen         I efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus         I efficienza energetica di redise           Vater heating energie-efficiéntie voor waterverwarming onder koudere klimaatomstandigheden         Energiefficienz bei vainnost ohrevu vody za chladnějšich klimatických podmínek         I energiefficientie ved vandoprarmning under koldere klimatorny morornyee va sopa npo-cryzee krivnekocr npv nogrpase va sopa npv no-cryzee krivnekocr npv nogrpase va sopa npv no-crvnev krivnekocr energietica do craudes varinde var	klir de	medelverkningsgrad för rumsuppvärmning under varmare klimatförhållan	ved rumopvarmning under varmere klimaforhold
Water heating energy efficiency under colder climate conditions         die Warnwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen         reficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus         reficienz energetica di ré           de energie-efficientle voor waterverwarning onder koudere klimaatomstandigheden         Energieffektivitet vid vatteruppvärmning under kallare klimatforhållanden         energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden         energiefektivitet vid vatteruppvärmning under kallare klimatforhållanden         energiefektivitet vid varterververververververververververververve	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	energetická účinnost vytápění za teplejších klim	енергийна ефективност при отопление при по-топли климатични усл
de energie-efficiêntie voor waterverwarming onder koudere klimaatomstandigheden         Energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden         energiefektiviteten ved vandopvarmning under koldere klimatforhållanden         energietica os           vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa         energieffektivitet vid vattenuppvärmning under kallare klimatforhållanden         energiefektiviteten ved vandopvarmning under koldere klimatforhållanden         energiefektiviteten ved vandopvarmning under koldere klimatforhållanden         energiefektiviteten ved vandopvarmning under kallare klimatforhållanden         energiefektiviteten ved vandopvarmning under varmer klimatforhållanden         feficacite inergiefica os           de energie-efficientie voor waterverwarming onder warmere klimaatomstandigheden         Energiefektivitet vid vattenuppvärmning under varmare klimatforhållanden         energiefica os         energiefica os           vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa         Energieficktivitet vid vattenuppvärmning under varmare klimatforhållanden         energieficktiviteten ved vandopvarmning under varmere klimatorhold         energiefica os           sound power level L <sub>WA</sub> butlen         energieficktivitet vid vattenuppv	Water heating energy efficiency under colder climate conditions	ass	pour le chauffage de l'eau, dans les conditions clim
Verdenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa         energieticki učinnost ohfevu vody za chladnějšich klimatických podminek         energieticki vod vantovenou cover vantovenou covervantovane vantovenou cover vantovenou cover vantovenou cover v			teten ved vandonvarmning under koldere klimaforhold
Water heating energy efficiency under warmer climate conditions         die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen         Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus         Pafficienza energetica di ris           Vater heating energy efficiency under warmer climate conditions         die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen         Pafficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus         Pafficienza energetica di ris           de energie-efficientie voor waterverwarming onder warmere klimaato-olosubtiessa         Energieffektivitet vid vartenuppvärmning under varmare klimatförhållanden         energiefektiviteten ved vandopvarmning under varmere klimatorhold         a eficiência energética do i           vedenlämmit/ksen energiatehokkuus lämpimissä ilmasto-olosubteissa         energetická účinnost ohřevu vody za teplejších klimatičkých podmínek         energiefektiviteten ved vandopvarmning under varmere kapa npu no-ronnu knuwaruv+uv ycnoeux         efektywność energetyczna           Sound power level L <sub>WA</sub> outdoor         der Schallleistungspegel L <sub>WA</sub> im Freien         le niveau de puissance acoustique L <sub>WA</sub> à l'extérieur         il ivello di poterza sonora           Net gluidsvermogensniveau L <sub>WA</sub> bulten         Ljudefektrivián L <sub>WA</sub> i udorhuka         lorvel de poténcia sonora         On rivel de poténcia sonora			енен уей уапооруантный иноет консете кы эфективност при подгряване на вода при
de energie-efficiêntie voor waterverwarming onder warmere klimaatomstandigheden Energiefiektivitet vid vattenuppvärmning under varmare klimaaförhållanden energiefiektiviteten ved vandopvarmning under varmere klimatorhöld vedenlämmityksen energiatehökkuus lämpimissa ilmasto-olosuhteissa energiefiekta üčinnost ohřev vody za teplejšich klimatických podmínek energiefiektiviteten ved vandopvarmning under varmere klimatorhöld Sound power level L <sub>WA</sub> outdoor der Schallleistungspegel L <sub>WA</sub> im Freien energienstiveau L <sub>WA</sub> butlen ka textérieur Integluidsvernogenstriveau L <sub>WA</sub> butlen L_WA butlen L_WA i l'extérieur	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	chauffage de l'eau, dans le
vedenlämmityksen energiatehokkuus lämpimissä ilmasto-olosuhteissa energetická účinnost ohřevu vody za teplejšich klimatických podmínek енергийната ефективност при подгряване на вода при по-топли климатични условия Sound power level L <sub>WA</sub> outdoor der Schallleistungspegel L <sub>WA</sub> im Freien le niveau de puissance acoustique L <sub>WA</sub> à l'extérieur ledelivermogenstriveau L <sub>WA</sub> buiten L <sub>WA</sub> buiten L <sub>WA</sub> i udontus	de eneraie-	opvärmn	
Image: Sound power level L <sub>WA</sub> outdoor     der Schallteistungspegel L <sub>WA</sub> im Freien     le niveau de puissance acoustique L <sub>WA</sub> à l'extérieur       Sound power level L <sub>WA</sub> outdoor     Ljudeffektnivân L <sub>WA</sub> i utomhus     lydeffektnivân L <sub>WA</sub> i utomhus	vedenlämmi	vody za	ефективност при подгряване на вода при по-топли климатични
het geluidsvermogensniveau L <sub>WA</sub> buiten L <sub>WA</sub> i ude Ljudeffektnivån L <sub>WA</sub> i utomhus			-
		ien	acoustique L WA à l'extérieur

	Fenañol
	EAAŋvıká
	unidad exterior Eξωτερική μονάδα
	unidad interior Ecrumpokh μονάδα
	- la aplicación de media temperatura In εφαριμογή σε μέση θεριμοκρασία
	- la aplicación de baja temperatura η εφαρμογή σε χαμηλή θερμοκρασία
	erfil de carga declara ηλωμένο προφίλ φορ
	clase de eficiencia energética esta
	la clase de eficiencia energética estacional de calefacción η πάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου -
	la clase de eficiencia energética del caldeo de agua η τάξη εντεργειακής απόδοσης θέρμανσης νερού
	<ul> <li>a</li> <li>la policia calorífica nominal(en condiciones climáticas medias)</li> <li>n ονομαστική θεριμική ισχύς(υπό μέσες κλιματικές συνθήκες)</li> </ul>
imatiche	- para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)
limáticas mé	ια τη θέρμανση χώρου
ach klimatu	
natiche medie)	para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)
s climáticas m warunkach	για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες) -
limatiche	la eficiencia energética estacional de calefacción(en condiciones climáticas medias)
náticas mé	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)
n klimatu edie)	ficiencia energética del caldeo de aqua(en condiciones climáticas medias)
édias) owanego)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες) -
	el nivel de potencia acústica L <sub>WA</sub> en interiores η στάθμη ηχητικής ισχύος L <sub>WA</sub> εσωτερικού χώρου
	funcionar solamente durante las horas de baja demanda λεπουργία μόνο εκτός των ωρών αιχμής
	a per la polecia calorífica nominal en condiciones climáticas más frías η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	la potencia calorífica nominal en condiciones climáticas más cálidas η ονοματική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
limatiche più	- para calentar espacios, el consumo anual de energía en condiciones climáticas más frías
limáticas mais	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
다	
limatiche più limáticas mais	para calentar espacios, el consumo anual de energía en condiciones climáticas más cá lidas vird Brunovn vilnou i a rrhona kornováhvon svérovara umó Broulótaner klumtkér mivBriker
atu	
matiche più	para calentar agua, el consumo anual de electricidad en condiciones climáticas más frías
s climáticas	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικέ ς συνθήκες
warunkach matiche più	<ul> <li>para calentar agua, el consumo anual de electricidad en condiciones climáticas más cá</li> </ul>
s climáticas	indas για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές ισινθήκες
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auche piu	inergenca estacional de caletacción en condiciones climaticas mas in renéferences estacional de caletacción en condiciones climaticas mas in
naticas mais n klimatu chł	- KEC I skebkenkul anuooodi LIUS suuxianki eebhavauk Xmbon nuu hmXboisebsč kwihaukes anvedi -
limatiche più	eficiencia energética estacional de calefacción en condiciones climática
náticas mais n klimatu ciepł	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθή κες -
ı fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
ais frias ego	
ı calde	eficiencia energética de caldeo de agua en condiciones climáticas má
is quentes lo	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες -
	el nivel de potencia acústica L <sub>vin</sub> , en exteriores η στάθμη ηχητικής ισχύος L <sub>vin</sub> εξωτερικού χώρου

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	132	%
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	7.1	kW	Tj = − 7 ° C	COPd	2. 31	-
Degradation co-efficient (**)	Cdh	1.00	_				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 21	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6. 09	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	1. 83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1. 83	-
			_				
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	$P_{OFF}$	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0. 000	kW				
Other items							
Capacity control		variable	-	Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	$L_{WA}$	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	4904	kWh				
For heat pump combination heater:							
Declared load profile		-	-	Water heating energy efficiency	$\eta$ 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	lu Bulvari No	:19 Yunusemre - M	anisa, Turkey
The identification and signature of the	he person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
1-1 1-1 D+				TURKEY			
Details and pressutions on installation maintane	•			installation and or operation manuals			

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

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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.

η s       imary energy       d outdoor te       COPd       COPd       COPd       COPd       COPd       COPd       COPd       COPd       COPd       COPd	184         / ratio for         emperature T         3.22         4.75         5.90         6.52         2.65	% ] - ] - ] - ] -
d outdoor te COPd COPd COPd COPd COPd COPd	Emperature         T           3. 22         4. 75           5. 90         6. 52	] - ] - ] - ] -
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	2. 65	-
	2. 65	
COPd		] -
	2.65	1 -
		-
TOL	-30	°C
WTOL	60	°C
		4
Psup	0.0	kW
		<u>.</u>
	Electrical	
-	2220	m³/h
		-
$\eta$ wh	-	%
		-
orlu Bulvari No	:19 Yunusemre –	Manisa, Turkey
-	- 7) wh	Electrical - 2220

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	115	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Tj = - 7 ° C	Pdh	4. 9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	3. 45	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 3	kW	Tj = + 7 ° C	COPd	4. 78	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	6. 74	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature (***)	Pdh	5.3	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6. 5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
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 <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	2. 7	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 <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	6705	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No∷	19 Yunusemre - M	lanisa, Turkey
The identification and signature of the second structure of the second	he person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
· Details and precautions on installation, maintena	ance and ass	embly can be	found in the				
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	found in the	installation and or operation manuals.			

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

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

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

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

Model (s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	146	%
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	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3. 53	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4. 0	kW	Tj = + 2 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7.56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	5.4	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6. 5	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	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	2.6	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	5299	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
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The identification and signature of the	ne person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
Details and precautions on installation, maintena     Details and precautions on recycling and/or dis		•		installation and or operation manuals.			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	167	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature T	j
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	2.05	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 ° C	Pdh	5. 2	kW	Tj = + 7 ° C	COPd	3.60	-
Degradation co-efficient (**)	Cdh	0. 99	-				1
Tj = +12 ° C	Pdh	4. 5	kW	Tj = +12 ° C	COPd	6. 02	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	-
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		Supplementary heater			1
Off mode	P <sub>OFF</sub>	0. 015	kW	Rated heat output (*)	Psup	0. 0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	$L_{WA}$	41 / 54	dBA				-
Annual energy consumption	Q <sub>HE</sub>	2521	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre -	Manisa, Turkey
The identification and signature of the second structure of the second	ne person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
				TURKEY			
· Details and precautions on installation, maintena	ince and asse	embly can be	found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	found in the	installation and or operation manuals.			

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	225	%
Declared capacity for heating for part	t load at	indoor	•	Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	mperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3. 75	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	5. 1	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.34	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	3. 75	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	3. 75	-
			•				
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	de		Supplementary heater		11	
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW			• •	
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	1874	kWh				
For heat pump combination heater:			-				
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of the	he person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
	,			TURKEY			
· Details and precautions on installation, maintena	ance and ass	embly can be	found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	found in the	installation and or operation manuals.			

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	133	%
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or pri	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	l outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	7. 1	kW	Tj = − 7 ° C	COPd	2. 31	-
Degradation co-efficient (**)	Cdh	1.00	- 1				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 21	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 40	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	2.8	kW	Tj = +12 ° C	COPd	6. 09	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	1. 83	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1. 83	-
			-				
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	$P_{OFF}$	0. 015	kW	Rated heat output (*)	Psup	0. 0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0. 000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	4849	kWh				
For heat pump combination heater:							
Declared load profile		_		Water heating energy efficiency	$\eta$ 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 Zon	rlu Bulvari No:	:19 Yunusemre - N	lanisa, Turkey
The identification and signature of the	he person	empowered	to bind th	ne supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
M MULT DE -				TURKEY			
· Details and pressuitions on installation maintance	-			instellation and or energian manuals			

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

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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.

Prated	8.0					
	0.0	kW	Seasonal space heating energy efficiency	η s	187	%
load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
e Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Pdh	7.1	kW	Tj = - 7 ° C	COPd	3. 22	-
Cdh	0.99	-				
Pdh	4.4	kW	Tj = + 2 ° C	COPd	4. 75	-
Cdh	0. 98	-				
Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Cdh	0. 98	-				
Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 52	-
Cdh	0.97	-				
Pdh	8. 0	kW	Tj = bivalent temperature	COPd	2.65	-
Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
I						
Tbiv	-10	°C	Operation limit temperature	TOL	-30	°C
[designh	-10	°C	Heating water operating limit	WTOL	60	°C
ctive mo	de		Supplementary heater		11	
P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
P <sub>T0</sub>	0.015	kW				
P <sub>SB</sub>	0.015	kW	Type of energy input		Electrical	
P <sub>CK</sub>	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2220	m³/h
L <sub>WA</sub>	41 / 54	dBA				
$Q_{HE}$	3475	kWh				
			•			
	-		Water heating energy efficiency	$\eta$ wh	-	%
Qelec	-	kWh				
AEC	-	kWh				
			•			
ACTURING T	JRKEY JOINT ST	OCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶1	19 Yunusemre – Ma	anisa, Turkey
person	empowered t	o bind the	supplier; Kenichi SAITO			
te / mediu	m-temperatu	re section.	Manager, Quality Assuarance Department TURKEY			
	Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh P	Pdh       7.1         Cdh       0.99         Pdh       4.4         Cdh       0.98         Pdh       5.0         Cdh       0.98         Pdh       3.0         Cdh       0.98         Pdh       3.0         Cdh       0.97         Pdh       8.0         Pdh       8.0         Pdh       8.0         Pdh       8.0         Tbiv       -10         designh       -10         ctive mode       POFF         PoFF       0.015         P <sub>GK</sub> 0.000         variable       L <sub>WA</sub> 41 / 54       Q         QHE       3475         -         Qelec       -         AEC       -         ACTURING TURKEY JOINT ST       person empowered t         e and assembly can be       can be	Pdh       7.1       kW         Cdh       0.99       -         Pdh       4.4       kW         Cdh       0.98       -         Pdh       5.0       kW         Cdh       0.98       -         Pdh       3.0       kW         Cdh       0.98       -         Pdh       3.0       kW         Cdh       0.97       -         Pdh       8.0       kW         Ddh       8.0       kW         Pdh       8.0       kW         Porr       0.015       kW         Pro       0.015       kW         PcK       0.000       kW         Curable	Pdh7.1KWTj = - 7 ° CCdh0.99Pdh4.4KWTj = + 2 ° CCdh0.98Pdh5.0KWTj = + 7 ° CCdh0.98Pdh3.0KWTj = + 12 ° CCdh0.97Pdh8.0KWTj = bivalent temperaturePdh8.0KWTj = operation limit temperaturePdh8.0KWValent temperaturePdh0.015KWRated neat output (*)Porr0.015KWRated neat output (*)Pox0.000KWType of energy inputVariableWater heating energy efficiencyColspan="3">Water heating energy efficiency<	Pdh7.1kWTj = -7 ° CCOPdCdh $0.99$ Tj = + 2 ° CCOPdPdh $4.4$ kWTj = + 2 ° CCOPdCdh $0.98$ Tj = + 7 ° CCOPdPdh $5.0$ kWTj = + 7 ° CCOPdCdh $0.98$ Pdh $3.0$ kWTj = + 12 ° CCOPdCdh $0.97$ Pdh $8.0$ kWTj = bivalent temperatureCOPdPdh $8.0$ kWTj = operation limit temperature (***)COPdPdh $8.0$ kWTj = operating limitWTOLTbiv $-10$ ° COperation limit temperatureTOLHeating water operating limitWTOLTbiv $-10$ ° COperation limit temperatureWTOLSupplementary heaterPorr $0.015$ kWType of energy inputPro $0.015$ kWType of energy input $P_{0k}$ $0.000$ kWType of energy input $Q_{elec}$ -kWhMater heating energy efficiency7/wh $Qelec$ -kWhManisa 0SB 4. Kisim Kecilikoyosh Mah. Amet Nazif Zorlu Bulvari No:person empowered to bind the supplier: kenichi SAITOManager, Quality Assuarance Department TURKEY	Pdh7.1kWT j = -7 ° CCOPd3.22Cdh0.99T j = +7 ° CCOPd4.75Pdh4.4kWT j = +2 ° CCOPd5.90Cdh0.98T j = +7 ° CCOPd5.90Cdh0.98T j = +7 ° CCOPd5.90Cdh0.98Pdh3.0kWT j = +12 ° CCOPd6.52-Cdh0.97Pdh8.0kWT j = bivalent temperatureCOPd2.65-Pdh8.0kWT j = operation limit temperatureTOL-30-Pdh8.0kWVDeperation limit temperatureTOL-30Heating water operating limitWTOL60Supplementary heaterPar0.015kWType of energy inputElectricalVariable2220Lux41 / 54dBA2220-Celec-kWh2220-ACIURING TURKEY JOINT STOCK COMPANYManisa 0S8 4.Kisin Kecilikoyab Mah. Amet Mazif Zorlu Bulvari No:19 Yunuseme - Mperson empowered to bind the supplier:Kenichi SAITOe /m adium-temperature section.Manisa 0S8 4.

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	115	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Tj = - 7 ° C	Pdh	4. 9	kW	Tj = - 7 ° C	COPd	2. 65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	3. 45	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4. 3	kW	Tj = + 7 ° C	COPd	4. 78	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 74	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	1. 51	-
Tj = operation limit temperature (***)	Pdh	5.3	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 51	-
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 <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	2. 7	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	6672	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No∷	19 Yunusemre - M	anisa, Turkey
The identification and signature of the second s	he person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / medi	um-temperatu	re section.	Manager, Quality Assuarance Department			
Details and precautions on installation, maintena     Details and precautions on recycling and/or dis		•					

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

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

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

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

Model (s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	147	%
Declared capacity for heating for part	t load at	indoor		Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Tj = - 7 ° C	Pdh	4. 8	kW	Tj = - 7 ° C	COPd	3. 53	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5.56	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	7.56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	5.4	kW	Tj = operation limit temperature (***)	COPd	1.41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	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	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 <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	5266	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY			
Details and precautions on installation, maintena     Details and precautions on recycling and/or dis		•					

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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.

Symbo	Symbol	Value	Unit
η s	η s	171	%
imary ene	ry energy	ratio for	
d outdoor	utdoor tem	nperature	Tj
COP	COPd	-	- [
COP	COPd	2.05	- [
COP	COPd	3.60	] -
			_
COP	COPd	6. 02	] -
COP	COPd	2.05	- [
COP	COPd	2. 05	
			-
TOL	TOL	-30	°C
WTO	WTOL	60	°C
		J	
Psu	Psup	0.0	kW
		•	-
		Electrical	í.
_			
-	-	2220	m³/h
			-
$\eta$ wi	$\eta$ wh	-	%
			—
rlu Bulvari	Bulvari No:1	19 Yunusemre –	– Manisa, Turkey
ırlu Bi	B	ulvari No:	ulvari No:19 Yunusemre –

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	233	%
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 Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor tem	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	8. 0	kW	Tj = + 2 ° C	COPd	3. 75	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 1	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.34	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	3. 75	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	3. 75	-
			-				
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		Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	1808	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∷	19 Yunusemre - M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department			
Details and precautions on installation, maintena     Details and precautions on recycling and/or dis		•					

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	132	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prin	mary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 °C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	7.1	kW	Tj = − 7 ° C	COPd	2. 31	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 21	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4. 40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2. 8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
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	de		Supplementary heater			
Off mode	$P_{OFF}$	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	4904	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th				
百藤建一				Kenichi SAITO Manager, Quality Assuarance Department			
17 11/11 DF				TURKEY			

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

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	184	%
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 Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3. 22	-
Degradation co-efficient (**)	Cdh	0.99	_				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0. 98	_				
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 52	-
Degradation co-efficient (**)	Cdh	0.97	_				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	2. 65	-
			•				
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	de	1	Supplementary heater		1	
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	3530	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
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The signature is signed in the average cli	mate / mediu	um-temperatu	re section	Manager, Quality Assuarance Department			
				TURKEY			
· Details and precautions on installation, maintena	nce and ass	embly can be	e found in the	installation and or operation manuals.			

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	115	%	
Declared capacity for heating for part	t load at	indoor	•	Declared coefficient of performance or prim	nary energy	ratio for		
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj		
Tj = - 7 ° C	Pdh	4. 9	kW	Tj = - 7 ° C	COPd	2.65	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	3. 45	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 ° C	Pdh	4. 3	kW	Tj = + 7 ° C	COPd	4. 78	-	
Degradation co-efficient (**)	Cdh	0. 98	-					
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 74	-	
Degradation co-efficient (**)	Cdh	0.97	-					
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	1. 51	-	
Tj = operation limit temperature (***)	Pdh	5. 3	kW	Tj = operation limit temperature (***)	COPd	1. 41	-	
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6. 5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1. 51	-	
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 <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	2. 7	kW	
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW					
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input		Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA					
Annual energy consumption	$Q_{HE}$	6705	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%	
Daily electricity consumption	Qelec	-	k₩h					
Annual electricity consumption	AEC	-	kWh					
Contact details								
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre – M	anisa, Turkey	
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				TURKEY				
Details and precautions on installation, maintena	ance and ass	embly can be	found in the	installation and or operation manuals				

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	146	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3. 53	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 56	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7. 56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	5.4	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6. 5	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	de		Supplementary heater			
Off mode	P <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	2. 6	kW
Thermostat-off mode	P <sub>T0</sub>	0.015	kW				
Standby mode	$P_{SB}$	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	5299	kWh				
For heat pump combination heater:				·			
Declared load profile		_		Water heating energy efficiency	$\eta$ 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	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
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<ul> <li>Details and precautions on installation, maintena</li> <li>Details and precautions on recycling and/or dis</li> </ul>		,		· ·			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA	
	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.	

Symbol	Value	Unit	Item	Symbol	Value	Unit
Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	167	%
load at	indoor	<u> </u>		nary energy	ratio for	
ure Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Cdh	-	-				
Pdh	8.0	kW	Tj = + 2 ° C	COPd	2. 05	-
Cdh	1.00	-				
Pdh	5. 2	kW	Tj = + 7 ° C	COPd	3.60	-
Cdh	0.99	-				
Pdh	4. 5	kW	Tj = +12 ° C	COPd	6. 02	-
Cdh	0. 98	-				
Pdh	8.0	kW	Tj = bivalent temperature	COPd	2. 05	-
Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	2. 05	-
Tbiv	2	°C	Operation limit temperature	TOL	-30	°C
Tdes i gnh	2	°C	Heating water operating limit	WTOL	60	°C
active mo	de	<u> </u>	Supplementary heater		1	
P <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW
P <sub>T0</sub>	0.015	kW			••	
P <sub>SB</sub>	0.015	kW	Type of energy input		Electrical	
Рск	0.000	kW				
		• • • • •				
	variable		Rated air flow rate, outdoors	-	2220	m³/h
L <sub>WA</sub>	41 / 54	dBA				
$Q_{HE}$	2521	k₩h				
		•	-			
	-		Water heating energy efficiency	$\eta$ wh	-	%
Qelec	-	k₩h				
AEC	-	k₩h				
NUFACTURING T	URKEY JOINT S	TOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre – Ma	nisa, Turkey
e person	empowered	to bind the				
nate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department TURKEY			
	load at ure T j Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Tbiv Tbiv Tdesignh active mo PorF Pto PCK Pto PSB PCK Cdh Pdh Cdh Cdh Cdh Pdh Cdh C C C C C C C C C C C C C C C C C	load at indoor         ure T j         Pdh       -         Cdh       -         Pdh       8.0         Cdh       1.00         Pdh       5.2         Cdh       0.99         Pdh       4.5         Cdh       0.99         Pdh       4.5         Cdh       0.98         Pdh       8.0         Pdh       8.0         Pdh       8.0         Tbiv       2         Tdesignh       2         active mode       P         PorF       0.015         PT0       0.015         PSB       0.015         PGK       0.000         variable         LMA       41 / 54         Qelec       -         AEC       -         NUFACTURING TURKEY JOINT S       e	load at indoor           ure T j           Pdh         -           Pdh         -           Pdh         8.0           KW           Cdh         -           Pdh         8.0           KW           Cdh         1.00           Pdh         5.2           KW           Cdh         0.99           Pdh         4.5           KW           Cdh         0.99           Pdh         8.0           KW           Potr         0.015           KW           Pog         0.015           KW           Pog         0.000           KW           Pog         2521           KWh           AEC         -           KWh         KW	Praced       0.0       kW       energy efficiency         Ioad at indoor       Declared coefficient of performance or prin part load at indoor temperature 20 ° C and         Pdh       -       kW         Cdh       -       -         Pdh       -       -         Pdh       -       -         Pdh       8.0       kW         Cdh       -       -         Pdh       5.2       kW         Cdh       0.99       -         Pdh       4.5       kW         Cdh       0.99       -         Pdh       8.0       kW         Tj = +7       ° C         Cdh       0.99         Pdh       8.0         KW       Tj = bivalent temperature         Tj = operation limit temperature         Toiv       2       ° C         Toiv       2       ° C         Ative mode       Supplementary heater         Porf       0.015       kW         Porf       0.015       kW         Pox       0.000       kW         Variable       Rated air flow rate, outdoors	Ioad at indoor       //s         load at indoor       //s         load at indoor       //s         Pdh       -         Pdh       5.2         KW       Tj = + 7 ° C       OOPd         Odh       0.99         Pdh       4.5       KW         Odh       0.98       -         Pdh       8.0       KW         Odh       0.98       -         Pdh       8.0       KW         Tj = +12 ° C       OOPd         Odh       0.98       -         Tj = bivalent temperature       COPd         Tj = operation limit temperature       COPd         Tisiv       2       ° C         Toiv       2       ° C         Toiv       2       ° C         Pare       0.015       KW         Por       0.015       KW         Por       0.015       KW         Por       0.015	Index load at indoorImage: constraint of the supplication of the supplicatio

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	225	%
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 Tj			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	8.0	kW	Tj = + 2 ° C	COPd	3. 75	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	5.1	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 99	_				
Tj = +12 ° C	Pdh	4.7	kW	Tj = +12 ° C	COPd	7.34	-
Degradation co-efficient (**)	Cdh	0.98	-			I	
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	3. 75	-
Tj = operation limit temperature (***)	Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	3. 75	-
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		Supplementary heater		11	
Off mode	P <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0.015	kW			• •	
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items		1	L I				
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	Q <sub>HE</sub>	1874	kWh				
For heat pump combination heater:		I	L L	-			
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA	NUFACTURING T	URKEY JOINT S	FOCK COMPANY	Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	lanisa, Turkey
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<b>_</b>				Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
· Details and precautions on installation, maintena				TURKEY			

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	ηs	133	%
Declared capacity for heating for part	t load at	indoor	1	Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 °C and outdoor temperat	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor te	mperature Tj	
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	2. 31	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	3. 21	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 ° C	Pdh	4.4	kW	Tj = + 7 ° C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 ° C	Pdh	2. 8	kW	Tj = +12 ° C	COPd	6.09	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	8.0	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	1.83	-
			-				
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	de		Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	4849	kWh				
For heat pump combination heater:							
Declared load profile		_		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind th	e supplier: Kenichi SAITO			
百藤建一				Manager, Quality Assuarance Department			
M HUE DE -				manager, waity Assuarance Department			

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

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	187	%
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ter	mperature Tj	i
Tj = - 7 ° C	Pdh	7.1	kW	Tj = - 7 ° C	COPd	3. 22	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 2 ° C	Pdh	4.4	kW	Tj = + 2 ° C	COPd	4. 75	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	5.0	kW	Tj = + 7 ° C	COPd	5.90	-
Degradation co-efficient (**)	Cdh	0. 98	-			,	
Tj = +12 ° C	Pdh	3.0	kW	Tj = +12 ° C	COPd	6. 52	-
Degradation co-efficient (**)	Cdh	0. 97	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	2.65	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	2.65	-
			-				
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	de		Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	_	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	Q <sub>HE</sub>	3475	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	Manisa, Turkey
The identification and signature of the second se	ne person	empowered	to bind the	supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	ure section.	Manager, Quality Assuarance Department			
				TURKEY			
· Details and precautions on installation, maintena	ince and ass	embly can be	e found in the	installation and or operation manuals.			
· Details and precautions on recycling and/or dis	posal at end-	of-life can be	e found in the	installation and or operation manuals.			

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

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	η s	115	%
Declared capacity for heating for par-	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	4. 9	kW	Tj = - 7 ° C	COPd	2.65	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4. 0	kW	Tj = + 2 ° C	COPd	3. 45	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	4. 3	kW	Tj = + 7 ° C	COPd	4. 78	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3. 1	kW	Tj = +12 ° C	COPd	6. 74	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature (***)	Pdh	5.3	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.51	-
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 <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	2. 7	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	$P_{SB}$	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$\mathbf{Q}_{HE}$	6672	kWh				
For heat pump combination heater:							
Declared load profile		-	-	Water heating energy efficiency	$\eta$ 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	lu Bulvari No:	19 Yunusemre – M	lanisa, Turkey
The identification and signature of the second structure of the second	ne person	empowered	to bind the	e supplier; Kenichi SAITO			
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Manager, Quality Assuarance Department			
				TURKEY			
· Details and precautions on installation, maintena	ance and ass	embly can be	found in the	installation and or operation manuals.			
<ul> <li>Details and precautions on installation, maintena</li> <li>Details and precautions on recycling and/or dis</li> </ul>				installation and or operation manuals.			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	147	%
Declared capacity for heating for par	t load at	indoor		Declared coefficient of performance or prin	nary energy	ratio for	
temperature 20 °C and outdoor tempera	ture T j			part load at indoor temperature 20 $^\circ$ C and	outdoor ten	nperature Tj	
Tj = - 7 ° C	Pdh	4.8	kW	Tj = - 7 ° C	COPd	3. 53	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 ° C	Pdh	4.0	kW	Tj = + 2 ° C	COPd	4. 30	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = + 7 ° C	Pdh	4. 5	kW	Tj = + 7 ° C	COPd	5. 56	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = +12 ° C	Pdh	3.1	kW	Tj = +12 ° C	COPd	7. 56	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	6. 7	kW	Tj = bivalent temperature	COPd	2. 05	-
Tj = operation limit temperature (***)	Pdh	5.4	kW	Tj = operation limit temperature (***)	COPd	1. 41	-
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	6. 5	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	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 <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	2. 6	kW
Thermostat-off mode	P <sub>T0</sub>	0.015	kW				
Standby mode	$P_{SB}$	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	$Q_{HE}$	5266	kWh				
For heat pump combination heater:				·			
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	k₩h				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No∶	19 Yunusemre - M	anisa, Turkey
The identification and signature of the second s	he person	empowered	to bind th	e supplier; Kenichi SAITO			
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<ul> <li>Details and precautions on installation, maintena</li> <li>Details and precautions on recycling and/or dis</li> </ul>		,		· ·			

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA	
	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.	

Prated load at	8.0	kW	Seasonal space heating	ηs	171	%		
	indoor		energy efficiency	., •		/0		
• Ti	muoon		Declared coefficient of performance or prim	nary energy	ratio for			
5 1 5	temperature 20 $^\circ$ C and outdoor temperature T j			part load at indoor temperature 20 $^\circ$ C and outdoor temperature Tj				
Pdh	-	kW	Tj = - 7 ° C	COPd	-	-		
Cdh	-	-						
Pdh	8.0	kW	Tj = + 2 ° C	COPd	2. 05	-		
Cdh	1.00	-						
Pdh	5. 2	kW	Tj = + 7 ° C	COPd	3.60	-		
Cdh	0. 99	-						
Pdh	4. 5	kW	Tj = +12 ° C	COPd	6. 02	-		
Cdh	0. 98	-						
Pdh	8. 0	kW	Tj = bivalent temperature	COPd	2. 05	-		
Pdh	8.0	kW	Tj = operation limit temperature (***)	COPd	2.05	-		
Tbiv	2	°C	Operation limit temperature	TOL	-30	°C		
des i gnh	2	°C	Heating water operating limit temperature	WTOL	60	°C		
ctive mo	de		Supplementary heater		11			
P <sub>0FF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
P <sub>T0</sub>	0.015	kW			• • •			
P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical			
Рск	0.000	kW						
	variable		Rated air flow rate, outdoors	-	2220	m³/h		
L <sub>WA</sub>	41 / 54	dBA						
$\mathbf{Q}_{\mathrm{HE}}$	2454	kWh						
		· · ·						
	-		Water heating energy efficiency	$\eta$ wh	-	%		
Qelec	-	kWh						
AEC	-	kWh						
				u Bulvari No:	19 Yunusemre – Ma	nisa, Turkey		
person	empowered t	o bind the						
e / mediu	m-temperatu	re section.	Kenichi SATTO Manager, Quality Assuarance Department TURKEY					
	Pdh Cdh Pdh Cdh Pdh Pdh Pdh Tbiv designh tive mo PoFF PTO PSB PCK QHE CURING TH person control the person control the person co	Pdh         8.0           Cdh         1.00           Pdh         5.2           Cdh         0.99           Pdh         4.5           Cdh         0.98           Pdh         8.0           Pdh         0.015           PsB         0.015           P <sub>GK</sub> 0.000           Variable         L           LwA         41 / 54           QHE         -           Qelec         -           AEC         -           AEC         -           and assembly can be         table	Pdh         8.0         kW           Cdh         1.00         -           Pdh         5.2         kW           Cdh         0.99         -           Pdh         4.5         kW           Cdh         0.99         -           Pdh         4.5         kW           Cdh         0.98         -           Pdh         8.0         kW           Pdh         8.0         kW           Pdh         8.0         kW           Tbiv         2         °C           designh         2         °C           tive mode         -         °C           PoFF         0.015         kW           Pas         0.015         kW           PoK         0.000         kW           Variable         -         -           LwA         41 / 54         dBA           QHE         2454         kWh           AEC         -         kWh           AEC         -         kWh           AEC         -         bind           e / medium-temperature section.         -           and assembly can be found in the         - <td>Pdh8.0kWTj = + 2 ° CCdh1.00Pdh5.2KWTj = + 7 ° CCdh0.99Pdh4.5kWTj = +12 ° CCdh0.98Pdh8.0KWTj = bivalent temperaturePdh8.0kWTj = operation limit temperature (***)Tbiv2° COperation limit temperatureHeating water operating limittemperatureSupplementary heaterSupplementary heaterPorF0.015kWPox0.000kWRated air flow rate, outdoorsVariableLuA41/54dBAQuee-kWhWater heating energy efficiencyCurrent KWhAction further fu</td> <td>Pdh8.0kWTj = + 2 ° CCOPdCdh1.00Pdh5.2KWTj = + 7 ° CCOPdCdh0.99Pdh4.5KWTj = +12 ° CCOPdCdh0.98Pdh8.0KWTj = bivalent temperatureCOPdPdh8.0KWTj = operation limit temperature (***)COPdPdh8.0KWTj = operation limit temperature (***)COPdTbiv2° COperation limit temperatureTOLHeating water operating limitWTOLtemperatureWTOLtive modeSupplementary heaterSupplementary heaterPorr0.015KWType of energy input-Pox0.000kWRated air flow rate, outdoors-variableLmA41 / 54dBAQater heating energy efficiency<math>\eta</math> whQelec-kWhManisa 0SB 4. Kisim Kecilikoyoob Mah. Ahmet Nazif Zorlu Bulvari No:person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEYSuprimer: Kenichi SAITO</td> <td>Pdh         8.0         kW         Tj = + 2 ° C         COPd         2.05           Cdh         1.00         -         Tj = + 7 ° C         COPd         3.60           Pdh         5.2         kW         Tj = + 7 ° C         COPd         3.60           Cdh         0.99         -         -         -         -         -           Pdh         4.5         KW         Tj = + 12 ° C         COPd         6.02           Cdh         0.98         -         -         -         -           Pdh         8.0         KW         Tj = bivalent temperature         COPd         2.05           Tbiv         2         ° C         Operation limit temperature         TOL         -30           designh         2         ° C         Heating water operating limit         WTOL         60           Supplementary heater         Psup         0.0         Psup         0.0         Psup         0.0           Por         0.015         KW         Type of energy input         Electrical         -         2220         -           LaA         41 / 54         dBA         A         -         2220         -         -           CELEC</td>	Pdh8.0kWTj = + 2 ° CCdh1.00Pdh5.2KWTj = + 7 ° CCdh0.99Pdh4.5kWTj = +12 ° CCdh0.98Pdh8.0KWTj = bivalent temperaturePdh8.0kWTj = operation limit temperature (***)Tbiv2° COperation limit temperatureHeating water operating limittemperatureSupplementary heaterSupplementary heaterPorF0.015kWPox0.000kWRated air flow rate, outdoorsVariableLuA41/54dBAQuee-kWhWater heating energy efficiencyCurrent KWhAction further fu	Pdh8.0kWTj = + 2 ° CCOPdCdh1.00Pdh5.2KWTj = + 7 ° CCOPdCdh0.99Pdh4.5KWTj = +12 ° CCOPdCdh0.98Pdh8.0KWTj = bivalent temperatureCOPdPdh8.0KWTj = operation limit temperature (***)COPdPdh8.0KWTj = operation limit temperature (***)COPdTbiv2° COperation limit temperatureTOLHeating water operating limitWTOLtemperatureWTOLtive modeSupplementary heaterSupplementary heaterPorr0.015KWType of energy input-Pox0.000kWRated air flow rate, outdoors-variableLmA41 / 54dBAQater heating energy efficiency $\eta$ whQelec-kWhManisa 0SB 4. Kisim Kecilikoyoob Mah. Ahmet Nazif Zorlu Bulvari No:person empowered to bind the supplier: Kenichi SAITOManager, Quality Assuarance Department TURKEYSuprimer: Kenichi SAITO	Pdh         8.0         kW         Tj = + 2 ° C         COPd         2.05           Cdh         1.00         -         Tj = + 7 ° C         COPd         3.60           Pdh         5.2         kW         Tj = + 7 ° C         COPd         3.60           Cdh         0.99         -         -         -         -         -           Pdh         4.5         KW         Tj = + 12 ° C         COPd         6.02           Cdh         0.98         -         -         -         -           Pdh         8.0         KW         Tj = bivalent temperature         COPd         2.05           Tbiv         2         ° C         Operation limit temperature         TOL         -30           designh         2         ° C         Heating water operating limit         WTOL         60           Supplementary heater         Psup         0.0         Psup         0.0         Psup         0.0           Por         0.015         KW         Type of energy input         Electrical         -         2220         -           LaA         41 / 54         dBA         A         -         2220         -         -           CELEC		

 $\cdot$  Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

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

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

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

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

Model(s):	Outdoor unit:	PUZ-SHWM80VAA
	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	8.0	kW	Seasonal space heating energy efficiency	ηs	233	%
Declared capacity for heating for part	: load at	indoor		Declared coefficient of performance or prim	nary energy	ratio for	
temperature 20 $^\circ$ C and outdoor temperature T j				part load at indoor temperature 20 $^\circ$ C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = − 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 ° C	Pdh	8. 0	kW	Tj = + 2 ° C	COPd	3. 75	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = + 7 ° C	Pdh	5. 1	kW	Tj = + 7 ° C	COPd	5. 20	-
Degradation co-efficient (**)	Cdh	0. 99	-				
Tj = +12 ° C	Pdh	4. 7	kW	Tj = +12 ° C	COPd	7.34	-
Degradation co-efficient (**)	Cdh	0. 98	-				
Tj = bivalent temperature	Pdh	8. 0	kW	Tj = bivalent temperature	COPd	3. 75	-
Tj = operation limit temperature (***)	Pdh	8. 0	kW	Tj = operation limit temperature (***)	COPd	3. 75	-
			-				
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		Supplementary heater			
Off mode	P <sub>0FF</sub>	0. 015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>T0</sub>	0. 015	kW				
Standby mode	P <sub>SB</sub>	0. 015	kW	Type of energy input		Electrical	
Crankcase heater mode	Рск	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2220	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 54	dBA				
Annual energy consumption	Q <sub>HE</sub>	1808	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta$ wh	-	%
Daily electricity consumption	Qelec	-	k₩h				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MA				Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zor	lu Bulvari No:	19 Yunusemre - M	anisa, Turkey
The identification and signature of th	ne person	empowered	to bind the				
The signature is signed in the average cli	mate / mediu	um-temperatu	re section.	Kenichi SAITO Manager, Quality Assuarance Department			
The signature is signed in the average cli      Details and precautions on installation, maintena      Details and precautions on recycling and/or dis	ince and ass	embly can be	e found in the	TURKEY 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.