



ENERG
енергия · ενεργεια

Y IJA
IE IA



Indoor unit E*ST30D-****D
Outdoor unit PUD-SWM100YAA(-BS)



A+++

A++

A+

A

B

C

D

A++

A+

A

B

C

D

E

F

A



41 dB



59 dB



10 kW
10 kW
10 kW

2019

811/2013

BH79V003K22



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

1	For medium-temperature application.																								For low-temperature application.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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																																												Indoor unit	Medium-temperature application	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	Sound power level L _{WA} indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} outdoor	Low-temperature application	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For space heating, annual electricity consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	Sound power level L _{WA} indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} outdoor																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	English	Deutsch	Français	Italiano	Español
	Nederlands	Svenska	Dansk	Português	Eλληνικά
	suomi	Čeština	Български	Polski	
1	Outdoor unit	Außengerät	unité extérieure	unità esterna	υπὸνὰς ἐξωτερ
	builtenunit	Übtenseinheit	Unitérs entred	unidade extenor	Εξωτερική μονάδα
	Ulkoykskko	Vätkovni jednotka	Външно тѣло	jednostka zewnętrzna	-
	indoor unit	Innengerät	unité intérieure	unità interna	υπὸνὰς ἐντὸς
2	blumenunt	Innenkühlgerät	Innenkühlgerät	unidade interior	Εσωτερική μονάδα
	Sisäykskko	Vätkni jednotka	Външно тѣло	jednostka wewnętrzna	-
	Medium-temperature application	Mitteltemperaturanwendung	l'application à moyenne température	le applicazioni a media temperatura	la aplicación de media temperatura
3	middeltemperatuur-toepassing	mitteltemperaturanwendung	middletemperatuurtoepassing	a aplicação a média temperatura	η εφαρμογή σε μέση θερμοκρασία
	kestälämpötilan sovellus	ströckförbrukn applikace	среднотемпературното приложение	zasosowanie w średnich temperaturach	-
4	low temperature application	Niedertemperaturanwendung	l'application à basse température	le applicazioni a bassa temperatura	la aplicación de baja temperatura
	lagedtemperatur-töepassing	lagertemperaturanwendung	l'application à basse température	a aplicação a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
	metallilämpötilan sovellus	nizkotemp. aplikace	нискотемпературни приложения	zasosowanie w niskich temperaturach	-
5	Seasonal space heating energy efficiency class	la classe (für die jahreszeitbedingte Raumheizungs-Energieeffizienz)	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	la classe di efficienza energetica stagionale del riscaldamento d'ambiente	la clase de eficiencia energética estacional de calefacción
	de seizoensofverhonden energie-efficiëntieklassa voor ruimteverwarming	säsongselektade energiefektiviteitsklass vid rumsuppvärmning	klassen for årstidsklingegrad ved rumopvarmning	A classe de eficiência energética do aquecimento ambiente sazonal	η τάξη ενεργειακής εποχιακής θέρμανσης χώρου
	blatennitkyksen kasvatusten energiattektiviteitsluokka	blatennitkyksen kasvatuksen energiattektiviteitsluokka	класъ на енергитна ефективност при подгръване на вода	Klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	-
	Water heating energy efficiency class	die Klasse (für die Warmwasserbereitungs-Energieeffizienz)	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe di efficienza energetica del riscaldamento dell'acqua	la clase de eficiencia energética del calentamiento del agua
6	de energie-efficiëntieklassa voor waterverwarming	eficiëntieklasse voor waterverwarming	класъ на енергитна ефективност при подгръване на вода	A classe de eficiência energética do aquecimento de água	-
	vechtenitkyksen energiattektiviteitsluokka	die Warmwasserleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal(en condiciones climáticas medias)	-
7	Rated heat output under average climate conditions	Den nominale avgivna värmeeffekt under genomsnittliga klimatförhållanden	den nominelle thermische мощность при по-средни климатични условия	A potencia calorífica nominal(en condiciones climáticas medias)	-
	de nominale warmteafgifte onder gemiddelde klimaatsomstandigheden	l'monový tepelný výkon za průměrných klimatických podmínek	номиналната топлинна мощност(при средни климатични условия)	zratiomowa moc cieplna (w warunkach klimatu umiarkowanego)	-
	rimellilämpötilan sovellus (l'masto-olosuhteissa)	für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)	-
8	For space heating, annual energy consumption under average climate conditions	For rumsuppvärmning, årlig energiförbrukning vid genomsnittliga klimatförhållanden	for rumopvarmning del årlige energiförbruk (under genomsnittlige klimaforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)	-
	blatennitkyksesi vuotuisen energiatkuluksen (kestälämpötilassa) l'masto-olosuhteissa	pro vytkden – rotni spotřeba energie za průměrných klimatických podmínek	за отопление, годишното потребление на енергия(при средни климатични условия)	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii (w warunkach klimatu umiarkowanego)	-
	For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	-
9	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder gemiddelde klimaatsomstandigheden	for vateruppvärmning, årlig elförbrukning (vid genomsnittliga klimatförhållanden)	за подгръване на вода, годишното потребление(при средни климатични условия)	para o aquecimento de água, o consumo anual de electricidade(em condições climáticas médias)	-
	vechtenitkyksesi vuotuisen sähkökulutuksen (kestälämpötilassa) l'masto-olosuhteissa	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej (w warunkach klimatu umiarkowanego)	-
10	Seasonal space heating energy efficiency under average climate conditions	la jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	за подгръване на вода, годишното потребление(при средни климатични условия)	la eficiencia energética del calentamiento d'ambiente en condiciones climáticas medias	-
	de seizoensofverhonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatsomstandigheden)	Säsongselektiviteitsgrad för rumsuppvärmning (vid genomsnittliga klimatförhållanden)	årstidsklingegraden ved rumopvarmning (under genomsnittlige klimaforhold)	seasonowa efektywność energetyczna ogrzewania pomieszczeń (w warunkach klimatu umiarkowanego)	-
	blatennitkyksen kasvatusten energiattektiviteitsluokka (kestälämpötilassa)	sezonni energiefektivité útkon vytkden za průměrných klimatických podmínek	сезонната енергитна ефективност при отопление(при средни климатични условия)	l'eficiénzia energética di riscaldamento dell'acqua (in condizioni climatiche medie)	-
11	de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatsomstandigheden)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques moyennes)	a eficiência energética do aquecimento de água(em condições climáticas médias)	-
	vechtenitkyksen energiattektiviteitsluokka (l'masto-olosuhteissa)	Energieeffektivité vid vateruppvärmning (vid genomsnittliga klimatförhållanden)	енергитна ефективност при подгръване на вода(при средни климатични условия)	efektywność energetyczna podgrzewania wody (w warunkach klimatu umiarkowanego)	-
	Sound power level L _{WA} indoor	der Schalleistungspegel L _{WA} in Gebäuden	le niveau de puissance acoustique L _{WA} à l'intérieur	il livello di potenza sonora L _{WA} all'interno	-
12	het geluidsemissieopniveaui L _{WA} binnen	Luftschallleistung L _{WA} in Innenräumen	l'infelctivité L _{WA} à l'intérieur	O nível de potência sonora L _{WA} no interior	-
	äänitehtäso L _{WA} sisällä	hadna akustického výkonu L _{WA} ve vnitřním prostoru	нмъто на звуковата мощност L _{WA} на затро	poten moay akustycznej L _{WA} w pomieszczeniu	-
	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionne q'en heures creuses	funzione soltanto durante le ore notte	-
13	werken uitsluitend in de daluren	drives uissluitend under perioder med låg belastning	trigueu sámo в часове извън върховото натоварване	de función únicamente en las horas de poco	-
	toiminaan ainoastaan kuluksänpöyryden ulkopuolella	provodu pouze mimo špičku	la puissance thermique nominale, dans les conditions climatiques plus froides	la potenza térmica nominale, in condizioni climatiche più fredde	-
	Rated heat output under colder climate conditions	die Wärmepumpleistung bei kälteren Klimaverhältnissen	den nominelle thermische мощность при по-студени климатични условия	A potencia calorífica nominal em condições climáticas mais frias	-
14	de nominale warmteafgifte, onder kouder klimaatsomstandigheden	Nominal avgivna värmeeffekt vid kälare klimatförhållanden	den nominelle thermique мощность при по-студени климатични условия	A potencia calorífica nominal em condições climáticas mais frias	-
	rimellilämpötilan, kylmissä l'masto-olosuhteissa	l'monový tepelný výkon za chladnějších klimatických podmínek	номиналната топлинна мощност при по-студени климатични условия	zratiomowa moc cieplna w warunkach klimatu chłodszego	-
	Rated heat output under warmer climate conditions	die Wärmepumpleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia térmica nominale, in condizioni climatiche più calde	-
15	de nominale warmteafgifte, onder warmere klimaatsomstandigheden	Nominal avgivna värmeeffekt vid varmare klimatförhållanden	den nominelle thermique мощность при по-топли климатични условия	A potencia calorífica nominal em condições climáticas mais quentes	-
	rimellilämpötilan, lämpimässä l'masto-olosuhteissa	l'monový tepelný výkon za teplejších klimatických podmínek	номиналната топлинна мощност при по-топли климатични условия	zratiomowa moc cieplna w warunkach klimatu cieplejszego	-
	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più calde	-
16	voor ruimteverwarming, het jaarlijkse energieverbruik onder kouder klimaatsomstandigheden	For rumsuppvärmning, årlig energiförbrukning under kälare klimatförhållanden	for rumopvarmning del årlige energiförbrukning under koldere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais frias	-
	blatennitkyksesi vuotuisen energiatkulutus l'mpimissä l'masto-olosuhteissa	pro vytkden – rotni spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu chłodszego	-
	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	-
17	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatsomstandigheden	For rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	for rumopvarmning del årlige energiförbrukning under varmare klimatförhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	-
	blatennitkyksesi vuotuisen energiatkulutus l'mpimissä l'masto-olosuhteissa	pro vytkden – rotni spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-топли климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu cieplejszego	-
	For water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più	-
18	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder kouder klimaatsomstandigheden	for vateruppvärmning, årlig elförbrukning under kälare klimatförhållanden	за подгръване на вода, годишното потребление на електроенергия при по-студени климатични условия	para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais frias	-
	vechtenitkyksesi vuotuisen sähkökulutus l'mpimissä l'masto-olosuhteissa	pro often vodu – rotni spotřeba elektrické energie za chladnějších klimatických podmínek	за подгръване на вода, годишното потребление на електроенергия при по-студени климатични условия	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu chłodszego	-
	For water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più	-
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatsomstandigheden	for vateruppvärmning, årlig elförbrukning under varmare klimatförhållanden	за подгръване на вода, годишното потребление на електроенергия при по-топли климатични условия	para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais quentes	-
	vechtenitkyksesi vuotuisen sähkökulutus l'mpimissä l'masto-olosuhteissa	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	l'eficiénzia energética stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde	-
20	de seizoensofverhonden energie-efficiëntie voor ruimteverwarming onder kouder klimaatsomstandigheden	Säsongselektiviteitsgrad för rumsuppvärmning under kälare klimatförhållanden	årstidsklingegraden ved rumopvarmning under koldere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias	-
	blatennitkyksen kasvatuksen energiattektiviteitsluokka l'masto-olosuhteissa	sezonni energiefektivité útkon vytkden za chladnějších klimatických podmínek	сезонната енергитна ефективност при отопление при по-студени климатични условия	l'eficiénzia energética stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	-
	Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	-
21	de seizoensofverhonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatsomstandigheden	Säsongselektiviteitsgrad för rumsuppvärmning under varmare klimatförhållanden	årstidsklingegraden ved rumopvarmning under varmare klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	-
	blatennitkyksen kasvatuksen energiattektiviteitsluokka l'mpimissä l'masto-olosuhteissa	sezonni energiefektivité útkon vytkden za teplejších klimatických podmínek	сезонната енергитна ефективност при отопление при по-топли климатични условия	l'eficiénzia energética stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	-
	Water heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	l'eficiénzia energética di riscaldamento dell'acqua in condizioni climatiche più fredde	-
22	de energie-efficiëntie voor waterverwarming onder kouder klimaatsomstandigheden	Energieeffektivité vid vateruppvärmning under kälare klimatförhållanden	енергитна ефективност при подгръване на вода при по-студени климатични условия	a eficiência energética do aquecimento de água em condições climáticas mais frias	-
	vechtenitkyksen energiattektiviteitsluokka l'masto-olosuhteissa	Energieeffektivité vid vateruppvärmning under kälare klimatförhållanden	енергитна ефективност при подгръване на вода при по-студени климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu chłodszego	-
	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	l'eficiénzia energética di riscaldamento dell'acqua in condizioni climatiche più calde	-
23	de energie-efficiëntie voor waterverwarming onder warmere klimaatsomstandigheden	Energieeffektivité vid vateruppvärmning under varmare klimatförhållanden	енергитна ефективност при подгръване на вода при по-топли климатични условия	a eficiência energética do aquecimento de água em condições climáticas mais quentes	-
	vechtenitkyksen energiattektiviteitsluokka l'mpimissä l'masto-olosuhteissa	енергитна ефективност при подгръване на вода при по-топли климатични условия	енергитна ефективност при подгръване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu cieplejszego	-
	Sound power level L _{WA} outdoor	der Schalleistungspegel L _{WA} im Freien	le niveau de puissance acoustique L _{WA} à l'extérieur	il livello di potenza sonora L _{WA} all'esterno	-
24	het geluidsemissieopniveaui L _{WA} buiten	Luftschallleistung L _{WA} outdoors	l'infelctivité L _{WA} à l'ude	O nível de potência sonora L _{WA} no exterior	-
	äänitehtäso L _{WA} ulkona	hadna akustického výkonu L _{WA} ve venkovním prostoru	нмъто на звуковата мощност L _{WA} на отро	poten moay akustycznej L _{WA} na zewnątrz	-

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	130	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.00	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.7	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	4.77	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.6	kW	Tj = +12 °C	COPd	6.92	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.9	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
				Type of energy input	Electrical		

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	6040	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	121	%
Daily electricity consumption	Qelec	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	177	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.7	kW	Tj = + 2 °C	COPd	4.52	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	5.4	kW	Tj = + 7 °C	COPd	5.68	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.76	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	8.9	kW	Tj = bivalent temperature	COPd	3.10	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	4441	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η _{wh}	121	%
Daily electricity consumption	Q _{elec}	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	109	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	6.1	kW	T _j = - 7 °C	COP _d	2.47	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.7	kW	T _j = + 2 °C	COP _d	3.03	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.8	kW	T _j = + 7 °C	COP _d	4.42	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C	COP _d	6.67	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	7.8	kW	T _j = bivalent temperature	COP _d	1.32	-
T _j = operation limit temperature	P _{dh}	6.9	kW	T _j = operation limit temperature	COP _d	1.60	-
T _j = – 15 °C (if TOL < – 20 °C)	P _{dh}	7.9	kW	T _j = – 15 °C (if TOL < – 20 °C)	COP _d	1.29	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	2.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	8290	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η _{wh}	145	%
Daily electricity consumption	Q _{elec}	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	145	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.83	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	3.9	kW	Tj = + 2 °C	COPd	3.82	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.20	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.38	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	8.6	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.07	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	6181	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	145	%
Daily electricity consumption	Qelec	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	warmer climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	151	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.1	kW	Tj = + 2 °C	COPd	1.93	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.32	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.19	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	1.0	kW	Tj = bivalent temperature	COPd	0.94	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	29.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	3390	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	102	%
Daily electricity consumption	Qelec	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	EHST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	warmer climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	218	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10	kW	Tj = + 2 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.16	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	1.0	kW	Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	29.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	2334	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	102	%
Daily electricity consumption	Qelec	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	130	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	2.00	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.7	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	5.2	kW	Tj = + 7 °C	COPd	4.77	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	3.6	kW	Tj = +12 °C	COPd	6.92	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	8.9	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	6040	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	121	%
Daily electricity consumption	Qelec	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

Contact details							
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	177	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	8.9	kW	Tj = - 7 °C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.7	kW	Tj = + 2 °C	COPd	4.52	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	5.4	kW	Tj = + 7 °C	COPd	5.68	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.76	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	8.9	kW	Tj = bivalent temperature	COPd	3.10	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	1.4	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	4441	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η _{wh}	121	%
Daily electricity consumption	Q _{elec}	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	109	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	6.1	kW	Tj = - 7 °C	COPd	2.47	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	3.7	kW	Tj = + 2 °C	COPd	3.03	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.8	kW	Tj = + 7 °C	COPd	4.42	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.67	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	7.8	kW	Tj = bivalent temperature	COPd	1.32	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	7.9	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.29	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	8290	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	145	%
Daily electricity consumption	Qelec	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	145	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	6.2	kW	Tj = - 7 °C	COPd	3.83	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	3.9	kW	Tj = + 2 °C	COPd	3.82	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	3.9	kW	Tj = + 7 °C	COPd	5.20	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.38	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	8.4	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	8.6	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.07	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m³/h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	6181	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	145	%
Daily electricity consumption	Qelec	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	medium-temperature application.	
Parameters shall be declared for	warmer climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	151	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10.1	kW	Tj = + 2 °C	COPd	1.93	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	3.32	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.2	kW	Tj = +12 °C	COPd	5.19	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	1.0	kW	Tj = bivalent temperature	COPd	0.94	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	29.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	3390	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	102	%
Daily electricity consumption	Qelec	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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

Model(s):	Outdoor unit:	PUD-SWM100YAA
	Indoor unit:	ERST30D-****
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters shall be declared for	low-temperature application.	
Parameters shall be declared for	warmer climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10.0	kW	Seasonal space heating energy efficiency	ηs	218	%
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	10	kW	Tj = + 2 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.16	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	4.4	kW	Tj = +12 °C	COPd	6.88	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	1.0	kW	Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	Pdh	6.9	kW	Tj = operation limit temperature	COPd	1.60	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	29.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/59	dBA				
Annual energy consumption	Q _{HE}	2334	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η _{wh}	102	%
Daily electricity consumption	Q _{elec}	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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