



ENERG

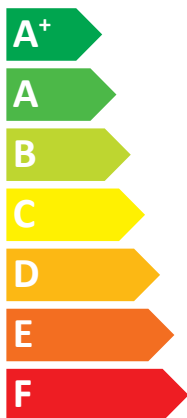
енергия · ενεργεια



Indoor unit E*ST20C-**D
Outdoor unit PUHZ-SHW80YAA(-BS)



A⁺⁺



A⁺

Two icons showing sound power levels. The top icon shows a speaker inside a house with the text "40 dB". The bottom icon shows a speaker outside a house with the text "59 dB".



A legend for power consumption with three colored squares: dark blue, medium blue, and light blue. Each square is followed by the text "09 kW".

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English	Deutsch	Français	Italiano	Espanol
Nederlands	Svenska	Polski	Português	Ελληνικά
suomi	Čeština	Български	Polski	Ελληνικά
Outdoor unit	Außengerät	unit extérieure	unità esterna	unidad exterior
1 built-in unit	Utløst enhed	Utløst enhed	unità esteriore	Εξωτερική μονάδα
Ulkokotkko	Vätkovni jednotka	Външно тяло	jednostka zewnętrzna	Εξωτερική μονάδα
Indoor unit	Innengerät	unit intérieure	unità interna	unidad interior
2 built-in unit	Innensplit	Innen split	unità indoor	Εσωτερική μονάδα
Sisäyksyksikö	Vätkovni jednotka	Вътрешно тяло	jednostka wewnętrzna	Εσωτερική μονάδα
Mediun-temperatuur applicatie	Middeltemperatuurtoepassing	Используется в умеренной температуре	la aplicación a media temperatura	la aplicación de media temperatura
3 middle-temperature class	Middeltemperatuurklasse	Используется в умеренной температуре	a aplicació a media temperatura	η εφαρμογή σε μέτρια θερμοκρασία
Kestämättömän sovellus	Medietemperaturklassen	Среднетемпературного применения	zasposzawania w umiarkowanych temperaturach	-
Low-temperature application	Lage temperatuurtoepassing	Используется в низкой температуре	la aplicación a baja temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
4 middle-lower-temperature class	Lage temperatuurklasse	Используется в низкой температуре	a aplicació a baixa temperatura	-
de seizoensgebonden energie-efficiëntieklasse voor milieuvriendelijke	de seizoensgebonden energie-efficiëntieklasse voor milieuvriendelijke	la classe de efficacité énergétique saisonnière, pour le chauffage des locaux	la classe de efficacité énergétique saisonnière de l'isoleamento d'ambiente	la classe de eficiencia energética de aislamiento de ambiente
5 de seizoensgebonden energie-efficiëntieklasse voor milieuvriendelijke	de seizoensgebonden energie-efficiëntieklasse voor milieuvriendelijke	Klassen for avviklingsgrad ved utpurrvarmløp	A classe de eficiência energética do aquecimento ambiente sazonal	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
Indoor heating energy efficiency class	Indoor heating energy efficiency class	Классы для эффективной работы в режиме обогрева помещений	Klassa sezonalno efektyvnosti energooszczędności ogrzewania pomieszczeń	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
6 de energie-efficiëntieklasse voor waterneming	de energie-efficiëntieklasse voor waterneming	Классы для эффективной работы в режиме нагрева воды	la classe de efficacité énergétique, pour le chauffage de l'eau	la classe de eficiencia energética del riscaldamento dell'acqua
de energie-efficiëntieklasse voor waterneming	de energie-efficiëntieklasse voor waterneming	Классы для эффективной работы в режиме нагрева воды	A classe de eficiência energética do aquecimento de água	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
Radiator unit	Radiator	радиатор	classa efektywności energetycznej podgrzewania wody	la potencia efectiva nominal(en condiciones climáticas medias)
Radiator unit	Radiator	радиатор	la potencia efectiva nominal(en condiciones climáticas medias)	A potencia efectiva nominal(en condiciones climáticas medias)
de nominale vermogen bij de afdeling	de nominale vermogen bij de afdeling	la puissance nominale (dans les conditions climatiques moyennes)	la potencia efectiva nominal(en condiciones climáticas medias)	η ονομαστική θερμική ισχύς(στο μέσο κλιματικό περιβάλλον)
7 de nominale vermogen bij de afdeling	de nominale vermogen bij de afdeling	la puissance nominale (dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)	para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)
For space heating, annual energy consumption under average climate conditions	For space heating, annual energy consumption under average climate conditions	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)	para calefacción espacial, el consumo anual de energía(en condiciones climáticas medias)
8 voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	for programming del årlige energiforbruk(under gennemsnitlige klimaatforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
Indoor heating energy efficiency under average climate conditions	Indoor heating energy efficiency under average climate conditions	pour le chauffage de l'eau, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)	-
For water heating, annual electricity consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	pour le chauffage de l'eau, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche medie	para calefacción agua, el consumo anual de electricidad(en condiciones climáticas medias)
9 voor waterneming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	voor waterneming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	za podgrzewanie na wodę, rocznego zużycia energii(w warunkach klimatu umiarkowanego)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche medie	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου(στο μέσο κλιματικό περιβάλλον)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление(при средни климатични условия)	w odniesieniu do podgrzewania wody, roczne zużycie energii(w warunkach klimatu umiarkowanego)	-
10 wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление(при средни климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche medie	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου(στο μέσο κλιματικό περιβάλλον)
de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	la puissance effective saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	la eficiencia energética de aislamiento de agua(en condiciones climáticas medias)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
10 klimaattilstanden	klimaattilstanden	погодные условия	la eficiencia energética de aislamiento de agua(en condiciones climáticas medias)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
Indoor heating energy efficiency under average climate conditions	Indoor heating energy efficiency under average climate conditions	сезонная энергия эффективност при отоплении(при средни климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche medie	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
11 de energie-efficiëntie voor waterneming(onder gemiddelde klimaatomstandigheden)	de energie-efficiëntie voor waterneming(onder gemiddelde klimaatomstandigheden)	la puissance effective saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	la eficiencia energética de aislamiento de agua(en condiciones climáticas medias)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	энергетическая эффективность при подгревании на воду(при средних климатични условия)	A eficiencia energética do aquecimento ambiente sazonal(em condições climáticas médias)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
Sound power level L _{WA} indoor	Sound power level L _{WA} indoor	le niveau de puissance acoustique L _{WA} à l'intérieur	сезонная эффективность энергетична организация помещений(в умеренных климатических условиях)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
12 het geluidvermogen binnen	het geluidvermogen binnen	Υπερήχοινητική L _{WA} 1. Interieur	сезонная эффективность энергетична организация помещений(в умеренных климатических условиях)	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
ääniteho L _{WA} sisällä	ääniteho L _{WA} sisällä	ниво на звук(внутри помещения L _{WA} на закрито пространство)	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche medie	η τάξη ενεργειακής απόδοσης, της εποχικής λειτουργίας χώρου
Work only during off-peak hours	Work only during off-peak hours	fonctionne uniquement pendant les heures creuses	funciona soltanto durante le ore notturne	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
13 werken uitsluitend in de daluren	werken uitsluitend in de daluren	travaille uniquement pendant les heures creuses	funciona soltanto durante le ore notturne	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
kolmanen asteenajan kuluvaliikityksen ulkopuolella	kolmanen asteenajan kuluvaliikityksen ulkopuolella	travaille uniquement pendant les heures creuses	funciona soltanto durante le ore notturne	η ενεργειακή απόδοση θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
14 de nominale vermogen bij, onder koude klimaatomstandigheden	de nominale vermogen bij, onder koude klimaatomstandigheden	la puissance nominale (dans les conditions climatiques froides)	A potencia efectiva nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς, στο ψυχρότερο κλιματικό περιβάλλον
nominaalvermogen bij koude klimaatomstandigheden	nominaalvermogen bij koude klimaatomstandigheden	la puissance nominale (dans les conditions climatiques froides)	A potencia efectiva nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς, στο ψυχρότερο κλιματικό περιβάλλον
Radiator unit	Radiator	радиатор	la potencia efectiva nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς, στο ψυχρότερο κλιματικό περιβάλλον
15 de nominale vermogen bij, onder koude klimaatomstandigheden	de nominale vermogen bij, onder koude klimaatomstandigheden	la puissance nominale (dans les conditions climatiques froides)	A potencia efectiva nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς, στο ψυχρότερο κλιματικό περιβάλλον
nominaalvermogen bij koude klimaatomstandigheden	nominaalvermogen bij koude klimaatomstandigheden	радиатор	la potencia efectiva nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς, στο ψυχρότερο κλιματικό περιβάλλον
16 voor ruimteverwarming, het jaarlijkse energieverbruik(onder koude klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder koude klimaatomstandigheden)	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques froides	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	para calefacción espacial, el consumo anual de energía(en condiciones climáticas más frías)
Indoor heating energy efficiency under cold climate conditions	Indoor heating energy efficiency under cold climate conditions	за отопление, годишното потребление на енергия(при по-студени климатични условия)	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
17 voor ruimteverwarming, het jaarlijkse energieverbruik(onder koude klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder koude klimaatomstandigheden)	за отопление, годишното потребление на енергия(при по-студени климатични условия)	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
Indoor heating energy efficiency under cold climate conditions	Indoor heating energy efficiency under cold climate conditions	за отопление, годишното потребление на енергия(при по-студени климатични условия)	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
18 voor waterneming, het jaarlijkse elektriciteitsverbruik(onder koude klimaatomstandigheden)	voor waterneming, het jaarlijkse elektriciteitsverbruik(onder koude klimaatomstandigheden)	pour le chauffage de l'eau, la consommation annuelle d'énergie, dans les conditions climatiques froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	para calefacción agua, el consumo anual de electricidad(en condiciones climáticas más calidas o más frías)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
19 voor waterneming, het jaarlijkse elektriciteitsverbruik(onder koude klimaatomstandigheden)	voor waterneming, het jaarlijkse elektriciteitsverbruik(onder koude klimaatomstandigheden)	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
20 de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
Indoor heating energy efficiency under cold climate conditions	Indoor heating energy efficiency under cold climate conditions	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
21 de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	de seizoensgebonden energie-efficiëntie voor milieuvriendelijke	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
Indoor heating energy efficiency under cold climate conditions	Indoor heating energy efficiency under cold climate conditions	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
22 de energie-efficiëntie voor waterneming(onder koude klimaatomstandigheden)	de energie-efficiëntie voor waterneming(onder koude klimaatomstandigheden)	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
Water heating energy efficiency under warm climate conditions	Water heating energy efficiency under warm climate conditions	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
23 de energie-efficiëntie voor waterneming(onder koude klimaatomstandigheden)	de energie-efficiëntie voor waterneming(onder koude klimaatomstandigheden)	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
wekenlijmkracht van de afzetting	wekenlijmkracht van de afzetting	за подгревание на вода, годишното потребление на електроенергия(при по-студени климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	η ενεργειακή απόδοση θερμότητας χώρου(στο ψυχρότερο κλιματικό περιβάλλον)
24 Sound power level L _{WA} outdoor	Sound power level L _{WA} outdoor	le niveau de puissance acoustique L _{WA} à l'extérieur	O nível de potência sonora L _{WA} no exterior	η τάξη ενεργειακής απόδοσης θερμότητας χώρου(στο μέσο κλιματικό περιβάλλον)
het geluidvermogen buiten	het geluidvermogen buiten	Υπερήχοινητική L _{WA} 1. Utenfor	ποσοτή που ακουστούνει L _{WA} на открито	-
ääniteho L _{WA} ulkona	ääniteho L _{WA} ulkona	ниво на звук(вън помещения L _{WA} на открито)	-	-

Model(s):	Outdoor unit:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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}	8.0	kW	T _j = - 7 °C	COP _d	2.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.9	kW	T _j = + 2 °C	COP _d	3.31	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C	COP _d	4.66	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	5.3	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.13	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.55	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.1	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2700	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	5377	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	145	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	167	%
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}	8.5	kW	T _j = - 7 °C	COP _d	3.15	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 2 °C	COP _d	4.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.0	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	5.6	kW	T _j = +12 °C	COP _d	7.53	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.2	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	4500	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	111	%
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}	5.4	kW	T _j = - 7 °C	COP _d	2.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.3	kW	T _j = + 2 °C	COP _d	3.08	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.5	kW	T _j = + 7 °C	COP _d	4.47	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	7.6	kW	T _j = bivalent temperature	COP _d	2.05	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.5	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	7558	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	146	%
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}	5.8	kW	T _j = - 7 °C	COP _d	3.68	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	5.34	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	6.96	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.1	kW	T _j = bivalent temperature	COP _d	3.26	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	6128	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kWh/h				
Annual electricity consumption	AEC	877	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	155	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	2.25	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	3.42	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.0	kW	T _j = +12 °C	COP _d	5.27	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}		161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	213	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	3.85	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.58	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2700	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	161	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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}	8.0	kW	T _j = - 7 °C	COP _d	2.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.9	kW	T _j = + 2 °C	COP _d	3.31	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C	COP _d	4.66	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	5.3	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.13	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.55	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.1	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
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	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	5377	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	167	%
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}	8.5	kW	T _j = - 7 °C	COP _d	3.15	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 2 °C	COP _d	4.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.0	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	5.6	kW	T _j = +12 °C	COP _d	7.53	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.2	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	4500	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	111	%
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}	5.4	kW	T _j = - 7 °C	COP _d	2.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.3	kW	T _j = + 2 °C	COP _d	3.08	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.5	kW	T _j = + 7 °C	COP _d	4.47	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	7.6	kW	T _j = bivalent temperature	COP _d	2.05	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.5	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	7558	kWh				

For heat pump combination heater:

Declared load profile	L			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	146	%
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}	5.8	kW	T _j = - 7 °C	COP _d	3.68	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	5.34	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	6.96	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.1	kW	T _j = bivalent temperature	COP _d	3.26	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	6128	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	155	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	2.25	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	3.42	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.0	kW	T _j = +12 °C	COP _d	5.27	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
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	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	EHST20C-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	213	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	3.85	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.58	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2700	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	161	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	134	%
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}	8.0	kW	T _j = - 7 °C	COP _d	2.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.9	kW	T _j = + 2 °C	COP _d	3.31	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C	COP _d	4.66	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	5.3	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.13	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.55	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.1	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	5377	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kW/h				
Annual electricity consumption	AEC	752	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	172	%
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}	8.5	kW	T _j = - 7 °C	COP _d	3.15	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 2 °C	COP _d	4.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.0	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	5.6	kW	T _j = +12 °C	COP _d	7.53	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.2	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	4500	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	114	%
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}	5.4	kW	T _j = - 7 °C	COP _d	2.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.3	kW	T _j = + 2 °C	COP _d	3.08	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.5	kW	T _j = + 7 °C	COP _d	4.47	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	7.6	kW	T _j = bivalent temperature	COP _d	2.05	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.5	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	7558	kWh				

For heat pump combination heater:

Declared load profile	L			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	150	%
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}	5.8	kW	T _j = - 7 °C	COP _d	3.68	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	5.34	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	6.96	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.1	kW	T _j = bivalent temperature	COP _d	3.26	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	6128	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	159	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	2.25	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	3.42	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.0	kW	T _j = +12 °C	COP _d	5.27	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}		161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	221	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	3.85	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.58	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
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	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	134	%
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}	8.0	kW	T _j = - 7 °C	COP _d	2.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.9	kW	T _j = + 2 °C	COP _d	3.31	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.4	kW	T _j = + 7 °C	COP _d	4.66	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	5.3	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	2.13	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.55	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.1	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	5377	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	103	%
Daily electricity consumption	Q _{elec}	4.760	kW/h				
Annual electricity consumption	AEC	1048	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	172	%
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}	8.5	kW	T _j = - 7 °C	COP _d	3.15	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	5.2	kW	T _j = + 2 °C	COP _d	4.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.0	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	5.6	kW	T _j = +12 °C	COP _d	7.53	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	1.2	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	4500	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	103	%
Daily electricity consumption	Q _{elec}	4.760	kWh/h				
Annual electricity consumption	AEC	1048	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	114	%
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}	5.4	kW	T _j = - 7 °C	COP _d	2.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.3	kW	T _j = + 2 °C	COP _d	3.08	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.5	kW	T _j = + 7 °C	COP _d	4.47	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	7.6	kW	T _j = bivalent temperature	COP _d	2.05	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.5	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	7558	kWh				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	82	%
Daily electricity consumption	Q _{elec}	6.000	kW/h				
Annual electricity consumption	AEC	1320	kW/h				

Contact details

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

Model(s):	Outdoor unit:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.6	kW	Seasonal space heating energy efficiency	η_s	150	%
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}	5.8	kW	T _j = - 7 °C	COP _d	3.68	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	5.34	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	6.96	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.1	kW	T _j = bivalent temperature	COP _d	3.26	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-28	°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}	1.8	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	6128	kWh				

For heat pump combination heater:

Declared load profile	L			Water heating energy efficiency	η_{wh}	82	%
Daily electricity consumption	Q _{elec}	6.000	kW/h				
Annual electricity consumption	AEC	1320	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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	159	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	2.25	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	3.42	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.0	kW	T _j = +12 °C	COP _d	5.27	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	8.0	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2700	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	113	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	4.370	kWh/h				
Annual electricity consumption	AEC	962	kWh/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:	PUHZ-SHW80YAA(-BS)
	Indoor unit:	ERST20C-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9.0	kW	Seasonal space heating energy efficiency	η_s	221	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	9	kW	T _j = + 2 °C	COP _d	3.85	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.8	kW	T _j = + 7 °C	COP _d	5.10	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	6.58	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	3.15	-
T _j = operation limit temperature	P _{dh}	7.5	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-28	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
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	-	2700	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40 / 59	dBA				
Annual energy consumption	Q _{HE}	2963	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	113	%
Daily electricity consumption	Q _{elec}	4.370	kWh/h				
Annual electricity consumption	AEC	962	kWh/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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.1	kW	Seasonal space heating energy efficiency	η_s	132	%
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}	6.3	kW	T _j = - 7 °C	COP _d	2.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.23	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.9	kW	T _j = + 7 °C	COP _d	4.59	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	2.8	kW	T _j = +12 °C	COP _d	6.10	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	2.04	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.37	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2660	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	4329	kWh				

For heat pump combination heater:

Declared load profile	L			Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.2	kW	Seasonal space heating energy efficiency	η_s	165	%
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}	6.4	kW	T _j = - 7 °C	COP _d	2.54	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.16	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.00	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2660	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	3507	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	145	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	3.420	kWh/h				
Annual electricity consumption	AEC	752	kWh/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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	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}	3.6	kW	T _j = - 7 °C	COP _d	2.37	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.2	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	2.5	kW	T _j = + 7 °C	COP _d	4.70	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = +12 °C	P _{dh}	3.0	kW	T _j = +12 °C	COP _d	6.74	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.30	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2660	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	5169	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}		123	%
Daily electricity consumption	Q _{elec}	3.990	kWh/h				
Annual electricity consumption	AEC	877	kWh/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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	132	%
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}	3.6	kW	T _j = - 7 °C	COP _d	2.85	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	4.14	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.82	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.81	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.56	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2660	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	4265	kWh				

For heat pump combination heater:

Declared load profile	L			Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Q _{elec}	3.990	kW/h				
Annual electricity consumption	AEC	877	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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.1	kW	Seasonal space heating energy efficiency	η_s	158	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.19	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.9	kW	T _j = +12 °C	COP _d	5.70	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.94	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control		variable				2660	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	2358	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}		161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/h				

For heat pump combination heater:

Declared load profile		L		Water heating energy efficiency	η_{wh}	161	%
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SW75YAA-SC
	Indoor unit:	ERST20D-***D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.2	kW	Seasonal space heating energy efficiency	η_s	225	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.2	kW	T _j = + 2 °C	COP _d	3.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	4.79	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.57	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	0.0	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2660	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	2358	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	161	%
Declared load profile	L						
Daily electricity consumption	Q _{elec}	3.080	kWh/h				
Annual electricity consumption	AEC	678	kWh/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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
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	7.1	kW	Seasonal space heating energy efficiency	η_s	129	%
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}	6.3	kW	T _j = - 7 °C	COP _d	1.95	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.46	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	5.89	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.95	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.35	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	4403	kWh
Rated air flow rate, outdoors		3300	m ³ /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η_{wh}	-	%

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 P_{designh}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Model(s):	Outdoor unit:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.2	kW	Seasonal space heating energy efficiency	η_s	167	%
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}	6.4	kW	T _j = - 7 °C	COP _d	2.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	3449	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
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	6.3	kW	Seasonal space heating energy efficiency	η_s	101	%
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}	3.8	kW	T _j = - 7 °C	COP _d	2.22	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.3	kW	T _j = + 2 °C	COP _d	2.93	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.32	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.0	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.3	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	5967	kWh
Rated air flow rate, outdoors		3300	m ³ /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η_{wh}	-	%

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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
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	6.4	kW	Seasonal space heating energy efficiency	η_s	141	%
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}	3.9	kW	T _j = - 7 °C	COP _d	3.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.54	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.1	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.1	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.4	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	4379	kWh
Rated air flow rate, outdoors		3300	m ³ /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η_{wh}	-	%

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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
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	7.1	kW	Seasonal space heating energy efficiency	η_s	155	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.99	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	5.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.85	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	2389	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-***C
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	7.2	kW	Seasonal space heating energy efficiency	η_s	236	%
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	7.2	kW	Tj = + 2 °C	COPd	2.87	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	4.7	kW	Tj = + 7 °C	COPd	5.83	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	4.5	kW	Tj = +12 °C	COPd	7.05	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = bivalent temperature	Pdh	6.4	kW	Tj = bivalent temperature	COPd	2.98	-
Tj = operation limit temperature	Pdh	6.0	kW	Tj = operation limit temperature	COPd	1.28	-
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	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	2389	kWh
Rated air flow rate, outdoors		3300	m ³ /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η_{wh}	-	%

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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
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	7.1	kW	Seasonal space heating energy efficiency	η_s	129	%
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}	6.3	kW	T _j = - 7 °C	COP _d	1.95	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.46	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	5.89	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.95	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.35	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	4403	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
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	7.2	kW	Seasonal space heating energy efficiency	η_s	167	%
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}	6.4	kW	T _j = - 7 °C	COP _d	2.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	3449	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
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	6.3	kW	Seasonal space heating energy efficiency	η_s	101	%
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}	3.8	kW	T _j = - 7 °C	COP _d	2.22	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.3	kW	T _j = + 2 °C	COP _d	2.93	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.32	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.0	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.3	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	5967	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
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	6.4	kW	Seasonal space heating energy efficiency	η_s	141	%
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}	3.9	kW	T _j = - 7 °C	COP _d	3.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.54	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.1	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.1	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.4	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	4379	kWh
Rated air flow rate, outdoors		3300	m ³ /h

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

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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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.1	kW	Seasonal space heating energy efficiency	η_s	155	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.99	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	5.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.85	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	2389	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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 P_{designh}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Model(s):	Outdoor unit:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSC-MEC
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	7.2	kW	Seasonal space heating energy efficiency	η_s	236	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.2	kW	T _j = + 2 °C	COP _d	2.87	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.7	kW	T _j = + 7 °C	COP _d	5.83	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	7.05	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	2389	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
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	7.1	kW	Seasonal space heating energy efficiency	η_s	129	%
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}	6.3	kW	T _j = - 7 °C	COP _d	1.95	-
Degradation co-efficient (**)	C _{dh}	1.00	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.46	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.3	kW	T _j = +12 °C	COP _d	5.89	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.95	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.35	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	4403	kWh				

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

Contact details

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

Model(s):	Outdoor unit:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.2	kW	Seasonal space heating energy efficiency	η_s	167	%
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}	6.4	kW	T _j = - 7 °C	COP _d	2.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.9	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	3300	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	3449	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	-	%
Declared load profile		-					
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
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	6.3	kW	Seasonal space heating energy efficiency	η_s	101	%
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}	3.8	kW	T _j = - 7 °C	COP _d	2.22	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.3	kW	T _j = + 2 °C	COP _d	2.93	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	4.32	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.4	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.0	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.3	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	3300	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	5967	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		-		η_{wh}	-	%	
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
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	6.4	kW	Seasonal space heating energy efficiency	η_s	141	%
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}	3.9	kW	T _j = - 7 °C	COP _d	3.55	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	3.91	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.54	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.6	kW	T _j = +12 °C	COP _d	7.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.1	kW	T _j = bivalent temperature	COP _d	1.28	-
T _j = operation limit temperature	P _{dh}	6.1	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	6.4	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)
Annual energy consumption	Q _{HE}	4379	kWh
Rated air flow rate, outdoors		3300	m ³ /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η_{wh}	-	%

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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
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	7.1	kW	Seasonal space heating energy efficiency	η_s	155	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.99	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.2	kW	T _j = +12 °C	COP _d	5.50	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.85	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	3300	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	2389	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		-		η_{wh}	-	%	
Daily electricity consumption	Q _{elec}	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUHZ-SW75VHA(-BS)
	Indoor unit:	ERSD-***C
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	7.2	kW	Seasonal space heating energy efficiency	η_s	236	%
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}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	7.2	kW	T _j = + 2 °C	COP _d	2.87	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.7	kW	T _j = + 7 °C	COP _d	5.83	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	7.05	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	6.0	kW	T _j = operation limit temperature	COP _d	1.28	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	3300	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40 / 68	dB(A)				
Annual energy consumption	Q _{HE}	2389	kWh				

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

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