



ENERG

енергия · ενεργεια



Indoor unit E*SE-**C
Outdoor unit PUHZ-SHW230YKA2



55 °C

35 °C



A⁺⁺

A⁺⁺



45 dB



75 dB

■ 23
■ **23**
■ 23
kW

■ 25
■ **25**
■ 23
kW



2015

811/2013

RG79Y764H07

[illegible]

	English	Deutsch	Français	Italiano	Español
	Nederlands	Svenska	Português	Português	Ελληνικά
	suomi	Čeština	Български	Polski	Slovensčina
1	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
	buitenunit	Utomhusenhet	Udendørs enhed	unidade exterior	Εξωτερική μονάδα
	Ulkoyksikkö	Venkovní jednotka	Външно тяло	jednostka zewnętrzna	zunanja enota
2	Indoor unit	Innengerät	unité intérieure	unità interna	unidad interior
	binneunit	Inomhusenhet	Indendørs enhed	unidade interior	Εσωτερική μονάδα
	Sisäyksikkö	Vnitřní jednotka	Вътрешно тяло	jednostka wewnętrzna	notranja enota
3	Medium-temperature application	Mitteltemperaturanwendung	l'application à moyenne température	le applicazioni a media temperatura	la aplicación de media temperatura
	midtemperatuur-toepassing	mediumtemperaturapplikation	middeltemperaturanvendelsen	a aplicação a média temperatura	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	středněteplotní aplikace	среднотемпературното приложение	zastosowania w średnich temperaturach	uporaba pri srednjih temperaturah
4	Low-temperature application	Niedertemperaturanwendung	l'application à basse température	le applicazioni a bassa temperatura	la aplicación de baja temperatura
	lagtemperatuur-toepassing	lågtemperaturapplikation	lavtemperaturanvendelsen	a aplicação a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
	matalanlämpötilan sovellus	nizkoteplotní aplikace	нискотемпературни приложения	zastosowania w niskich temperaturach	uporaba pri nizkih temperaturah
5	Seasonal space heating energy efficiency class	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	la classe di efficienza energetica stagionale del riscaldamento d'ambiente	la clase de eficiencia energética estacional de calefacción
	de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming	säsongsrelaterade energieeffektivitetsklass vid rumsuppvärmning	klassen for årsvirkningsgrad ved rumopvarmning	A classe de eficiência energética do aquecimento ambiente sazonal	η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου
	tilalämmityksen kausittainen energiatehokkuusluokka	lřada sezonní energetické účinnosti vytápění	класът на сезонната отоплителна енергийна ефективност	klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	razred sezonejske enerģijske učinkovitosti pri ogrevanju prostorov
6	Water heating energy efficiency class	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe di efficienza energetica del riscaldamento dell'acqua	la clase de eficiencia energética del caldeo de agua
	de energie-efficiëntieklasse voor waterverwarming	energieeffektivitetsklass vid vattenuppvärmning	klassen for årsvirkningsgrad ved vandopvarmning	A classe de eficiência energética do aquecimento de água	η τάξη ενεργειακής απόδοσης θέρμανσης νερού
	vedenlämmityksen energiatehokkuusluokka	lřada energetické účinnosti ohřevu vody	класът на енергийната ефективност при подгряване на вода	klasa efektywności energetycznej podgrzewania wody	razred sezonejske učinkovitost ogrevanja vode
7	Rated heat output under average climate conditions	die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potenza termica nominale(in condizioni climatiche medie)	la potencia calorífica nominal(en condiciones climáticas medias)
	de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	den nominelle nytteeffekt(under gennemsnitlige klimaforhold)	A potência calorífica nominal(em condições climáticas médias)	η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)
	nimellislämpöteho(keskimääräisissä ilmastoloosuhteissa)	imenovitý tepelný výkon za průměrných klimatických podmínek	номиналната топлинна мощност(при средни климатични условия)	znamiönowa moc cieplna(w warunkach klimatu umiarkowanego)	nazivna izhodna toplota (v povprečnih podnebnih razmerah)
8	For space heating, annual energy consumption under average climate conditions	für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)	para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)
	voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)	για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)
	tilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmastoloosuhteissa)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	за отопление, годишното потребление на енергия(при средни климатични условия)	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)	za ogrevanje prostorov letna poraba energije (v povprečnih podnebnih razmerah)
9	For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	För vattenuppvärmning, årlig elförbrukning(vid genomsnittliga klimatförhållanden)	for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaforhold)	para o aquecimento de água, o consumo anual de electricidade(em condições climáticas médias)	για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες)
	vedenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmastoloosuhteissa)	pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek	за подгряване на вода, годишното потребление(при средни климатични условия)	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach klimatu umiarkowanego)	za ogrevanje vode letna poraba električne energije (v povprečnih podnebnih razmerah)
10	Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	l'efficienza energetica stagionale di riscaldamento d'ambiente(in condizioni climatiche medie)	la eficiencia energética estacional de calefacción(en condiciones climáticas medias)
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)	Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	A eficiência energética do aquecimento ambiente sazonal(em condições climáticas médias)	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)
	tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilmastoloosuhteissa)	sezonní energetická účinnost vytápění za průměrných klimatických podmínek	сезонната енергийна ефективност при отопление(при средни климатични условия)	sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu umiarkowanego)	sezonska enerģijska učinkovitost pri ogrevanju prostorov (v povprečnih podnebnih razmerah)
11	Water heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques moyennes)	l'efficienza energetica di riscaldamento dell'acqua(in condizioni climatiche medie)	la eficiencia energética del caldeo de agua(en condiciones climáticas medias)
	de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)	Energieeffektivitet ved vattenuppvärmning(vid genomsnittliga klimatförhållanden)	energieeffektiviteten ved vandopvarmning(under gennemsnitlige klimaforhold)	a eficiência energética do aquecimento de água(em condições climáticas médias)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες)
	vedenlämmityksen energiatehokkuus(keskimääräisissä ilmastoloosuhteissa)	energetická účinnost ohřevu vody za průměrných klimatických podmínek	енергийната ефективност при подгряване на вода(при средни климатични условия)	efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego)	enerģijska učinkovitost pri ogrevanju vode (v povprečnih podnebnih razmerah)
12	Sound power level L _{WA} indoor	der Schalleistungspegel L _{WA} in Gebäuden	le niveau de puissance acoustique L _{WA} à l'intérieur	il livello di potenza sonora L _{WA} all'interno	el nivel de potencia acústica L _{WA} en interiores
	het geluidsvermogensniveau L _{WA} binnen	Ljudeffektivitá L _{WA} i inomhus	lydeeffektivitæuet L _{WA} i inde	O nível de potência sonora L _{WA} no interior	η στάθμη ηχητικής ισχύος L _{WA} εσωτερικού χώρου
	äänitehotaso L _{WA} sisällä	hladina akustického výkonu L _{WA} ve vnitřním prostoru	ниво́то на звуко́вата мо́щност L _{WA} на закрито	poziom mocy akustycznej L _{WA} w pomieszczeniu	raven zvočne moči LWA notranja
13	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionner qu'en heures creuses	funzione soltanto durante le ore morte	funcionar solamente durante las horas de baja demanda
	werken uitsluitend in de daluren	drivas uteslutande under perioder med låg belastning	fungere uden for spidsbelastningsperioder	de funcionar unicamente fora das horas de pico	λειτουργία μόνο εκτός των ωρών αιχμής
	toimimaan ainoastaan kulutushuippujen ulkopuolella	provozu pouze mimo špičku	работи само в часовете извън върховото натоварване	pracować jedynie w godzinach poza szczytowym obciążeniem	delovanje le v času manjše porabe
14	Rated heat output under colder climate conditions	die Wärmenennleistung bei kälteren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus froides	la potenza termica nominale, in condizioni climatiche più fredde	la potencia calorífica nominal en condiciones climáticas más frías
	de nominale warmteafgifte, onder koudere klimaatomstandigheden	Nominell avgivnen värmeeffekt vid kallare klimatförhållanden	den nominelle nytteeffekt under koldere klimaforhold	A potência calorífica nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	nimellislämpöteho, kylmissä ilmastoloosuhteissa	imenovitý tepelný výkon za chladnějších klimatických podmínek	номиналната топлинна мощност при по-студени климатични условия	znamiönowa moc cieplna w warunkach klimatu chłodnego	nazivna izhodna toplota (v hladnejših podnebnih razmerah)
15	Rated heat output under warmer climate conditions	die Wärmenennleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potenza termica nominale, in condizioni climatiche più calde	la potencia calorífica nominal en condiciones climáticas más cálidas
	de nominale warmteafgifte, onder warmere klimaatomstandigheden	Nominell avgivnen värmeeffekt vid varmare klimatförhållanden	den nominelle nytteeffekt under varmere klimaforhold	A potência calorífica nominal em condições climáticas mais quentes	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
	nimellislämpöteho, lämpimissä ilmastoloosuhteissa	imenovitý tepelný výkon za teplejších klimatických podmínek	номиналната топлинна мощност при по-топли климатични условия	znamiönowa moc cieplna w warunkach klimatu ciepłego	nazivna izhodna toplota (v toplejših podnebnih razmerah)
16	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	para calentar espacios, el consumo anual de energía en condiciones climáticas más frías
	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere klimaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais frias	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmastoloosuhteissa	pro vytápění – roční spotřeba energie za chladnějších klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu chłodnego	za ogrevanje prostorov letna poraba energije (v hladnejših podnebnih razmerah)
17	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più calde	para calentar espacios, el consumo anual de energía en condiciones climáticas más cálidas
	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	for rumopvarmning det årlige energiforbrug under varmere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες
	tilalämmityksestä vuotuinen energiankulutus lämpimissä ilmastoloosuhteissa	pro vytápění – roční spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-топли климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ciepłego	za ogrevanje prostorov letna poraba energije (v toplejših podnebnih razmerah)
18	For water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	para calentar agua, el consumo anual de electricidad en condiciones climáticas más frías
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	for vandopvarmning det årlige elforbrug under koldere klimaforhold	para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais frias	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
	vedenlämmityksestä vuotuinen sähkönkulutus kylmissä ilmastoloosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-студени климатични условия	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu chłodnego	za ogrevanje vode letna poraba električne energije (v hladnejših podnebnih razmerah)
19	For water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	para calentar agua, el consumo anual de electricidad en condiciones climáticas más cálidas
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	for vandopvarmning det årlige elforbrug under varmere klimaforhold	para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais quentes	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές συνθήκες
	vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmastoloosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-топли климатични условия	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu ciepłego	za ogrevanje vode letna poraba električne energije (v toplejših podnebnih razmerah)
20	Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde	la eficiencia energética estacional de calefacción en condiciones climáticas más frías
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under koldere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθήκες
	tilalämmityksen kausittainen energiatehokkuus kylmissä ilmastoloosuhteissa	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	сезонната енергийна ефективност при отопление при по-студени климатични условия	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chłodnego	sezonska enerģijska učinkovitost pri ogrevanju prostorov (v hladnejših podnebnih razmerah)
21	Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	la eficiencia energética estacional de calefacción en condiciones climáticas más cálidas
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθήκες
	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmastoloosuhteissa	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	сезонната енергийна ефективност при отопление при по-топли климатични условия	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepłego	sezonska enerģijska učinkovitost pri ogrevanju prostorov (v toplejših podnebnih razmerah)
22	Water heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
	de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Energieeffektivitet ved vattenuppvärmning under kallare klimatförhållanden	energieeffektiviteten ved vandopvarmning under koldere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais frias	η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες
	vedenlämmityksen energiatehokkuus kylmissä ilmastoloosuhteissa	energetická účinnost ohřevu vody za chladnějších klimatických podmínek	енергийната ефективност при подгряване на вода при по-студени климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego	enerģijska učinkovitost pri ogrevanju vode (v hladnejših podnebnih razmerah)
23	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde	la eficiencia energética de caldeo de agua en condiciones climáticas más cálidas
	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieeffektivitet ved vattenuppvärmning under varmare klimatförhållanden	energieeffektiviteten ved vandopvarmning under varmere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais quentes	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες
	vedenlämmityksen energiatehokkuus kylmissä ilmastoloosuhteissa	energetická účinnost ohřevu vody za teplejších klimatických podmínek	енергийната ефективност при подгряване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego	enerģijska učinkovitost pri ogrevanju vode (v toplejših podnebnih razmerah)
24	Sound power level L _{WA} outdoor	der Schalleistungspegel L _{WA} im Freien	le niveau de puissance acoustique L _{WA} à l'extérieur	il livello di potenza sonora L _{WA} all'esterno	el nivel de potencia acústica L _{WA} en exteriores
	het geluidsvermogensniveau L _{WA} buiten	Ljudeffektivitá L _{WA} i utomhus	lydeeffektivitæuet L _{WA} i ude	O nível de potência sonora L _{WA} no exterior	η στάθμη ηχητικής ισχύος L _{WA} εξωτερικού χώρου
	äänitehotaso L _{WA} ulkona	hladina akustického výkonu L _{WA} ve venkovním prostoru	ниво́то на звуко́вата мо́щност L _{WA} на открито	poziom mocy akustycznej L _{WA} na zewnątrz	raven zvočne moči L WA zunanja

Model(s):	Outdoor unit:	PUHZ-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	127	%
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	20.3	kW	Tj = - 7 °C	COPd	2.10	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	12.4	kW	Tj = + 2 °C	COPd	3.07	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	11.2	kW	Tj = + 7 °C	COPd	4.54	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	13.7	kW	Tj = +12 °C	COPd	5.79	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	23.0	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.30	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	14488	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	25.0	kW	Seasonal space heating energy efficiency	η_s	164	%
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	22.1	kW	Tj = - 7 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	13.5	kW	Tj = + 2 °C	COPd	3.82	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	12.0	kW	Tj = + 7 °C	COPd	5.32	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.6	kW	Tj = +12 °C	COPd	6.68	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	25.0	kW	Tj = bivalent temperature	COPd	2.19	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	12255	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	123	%
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	13.9	kW	Tj = - 7 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	8.5	kW	Tj = + 2 °C	COPd	3.04	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	11.6	kW	Tj = + 7 °C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.2	kW	Tj = +12 °C	COPd	6.15	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	19.4	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	20.3	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.10	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	5.9	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	17627	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	25.0	kW	Seasonal space heating energy efficiency	η_s	162	%
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	15.1	kW	Tj = - 7 °C	COPd	4.88	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	9.2	kW	Tj = + 2 °C	COPd	3.76	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	12.2	kW	Tj = + 7 °C	COPd	5.54	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.6	kW	Tj = +12 °C	COPd	6.68	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	21.1	kW	Tj = bivalent temperature	COPd	2.09	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	22.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	3.40	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	7.3	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	14541	kWh				

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

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-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22.8	kW	Seasonal space heating energy efficiency	η_s	148	%
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	22.8	kW	Tj = + 2 °C	COPd	1.63	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	14.7	kW	Tj = + 7 °C	COPd	3.15	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	13.6	kW	Tj = +12 °C	COPd	5.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	20.3	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	7972	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	EHSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	199	%
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	23	kW	Tj = + 2 °C	COPd	2.46	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	14.8	kW	Tj = + 7 °C	COPd	4.59	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.3	kW	Tj = +12 °C	COPd	6.41	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	25.0	kW	Tj = bivalent temperature	COPd	2.19	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	6003	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	128	%
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	20.3	kW	Tj = - 7 °C	COPd	2.10	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	12.4	kW	Tj = + 2 °C	COPd	3.07	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	11.2	kW	Tj = + 7 °C	COPd	4.54	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	13.7	kW	Tj = +12 °C	COPd	5.79	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	23.0	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.30	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	14488	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	25.0	kW	Seasonal space heating energy efficiency	η_s	165	%
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	22.1	kW	Tj = - 7 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	13.5	kW	Tj = + 2 °C	COPd	3.82	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	12.0	kW	Tj = + 7 °C	COPd	5.32	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.6	kW	Tj = +12 °C	COPd	6.68	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	25.0	kW	Tj = bivalent temperature	COPd	2.19	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	12255	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	124	%
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	13.9	kW	Tj = - 7 °C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	8.5	kW	Tj = + 2 °C	COPd	3.04	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	11.6	kW	Tj = + 7 °C	COPd	4.75	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.2	kW	Tj = +12 °C	COPd	6.15	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	19.4	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	20.3	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	2.10	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	5.9	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	17627	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	25.0	kW	Seasonal space heating energy efficiency	η_s	164	%
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	15.1	kW	Tj = - 7 °C	COPd	4.88	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	9.2	kW	Tj = + 2 °C	COPd	3.76	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	12.2	kW	Tj = + 7 °C	COPd	5.54	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.6	kW	Tj = +12 °C	COPd	6.68	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	21.1	kW	Tj = bivalent temperature	COPd	2.09	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	22.1	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	3.40	-
Bivalent temperature	Tbiv	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	7.3	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	14541	kWh				

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

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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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22.8	kW	Seasonal space heating energy efficiency	η_s	150	%
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	22.8	kW	Tj = + 2 °C	COPd	1.63	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	14.7	kW	Tj = + 7 °C	COPd	3.15	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	13.6	kW	Tj = +12 °C	COPd	5.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	20.3	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	7972	kWh				

For heat pump combination heater:

Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh/h				
Annual electricity consumption	AEC	-	kWh/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-SHW230YKA2
	Indoor unit:	ERSE-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		yes
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	23.0	kW	Seasonal space heating energy efficiency	η_s	202	%
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	23	kW	Tj = + 2 °C	COPd	2.46	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = + 7 °C	Pdh	14.8	kW	Tj = + 7 °C	COPd	4.59	-
Degradation co-efficient (**)	Cdh	0.92	-				
Tj = +12 °C	Pdh	14.3	kW	Tj = +12 °C	COPd	6.41	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	25.0	kW	Tj = bivalent temperature	COPd	2.19	-
Tj = operation limit temperature	Pdh	16.0	kW	Tj = operation limit temperature	COPd	1.24	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.020	kW				
Standby mode	P _{SB}	0.020	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	44/75	dBA				
Annual energy consumption	Q _{HE}	6003	kWh				

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

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