



# ENERG

енергия · ενεργεια



Indoor unit

E\*SC-\*\*C

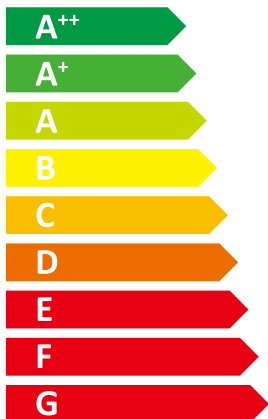
Outdoor unit

PUMY-P140VKM4(-BS)



55 °C

35 °C



**A+**

**A++**



**40** dB



**69** dB

■ 08  
■ **11**  
■ 10  
kW

■ 08  
■ **11**  
■ 11  
kW



2015

811/2013

BH79J459H21



# ENERG

енергия · ενεργεια



Indoor unit  
Outdoor unit

E\*SC-\*\*C  
PUMY-P140YKM4(-BS)



55 °C

35 °C



**A+**

**A++**



**40** dB



**69** dB

■ 08  
■ **11**  
■ 10  
kW

■ 08  
■ **11**  
■ 11  
kW



2015

811/2013

BH79J459H24



# ENERG

енергия · ενεργεια



Indoor unit  
Outdoor unit

E\*SC-\*\*C  
PUMY-P140YKME4(-BS)



55 °C

35 °C



**A<sup>+</sup>**

**A<sup>++</sup>**



**40** dB



**69** dB

- 08
- **11**
- 10

kW

- 08
- **11**
- 11

kW



2015

811/2013

BH79J459H27





	English	Deutsch	Français	Italiano	Poltigais	Espanol
	Nederlands	Svenska	Dansk	Portugués	Eλληνικά	
	suomi	Čeština	Български	Polski		
1	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior	unidad exterior
	buitenunit	Utomusenhet	Удобенет еһһһ	unidade exterior	Εξωτερική μονάδα	
	Ulkoyksikkö	Venkovni jednotka	Вьһһһһ һһһһ	jednostka zewnętrzna		
2	Indoor unit	Innengerät	unité intérieure	unità interna	unidad interior	unidad interior
	binnenunit	Innomusenhet	Иһһһһһһһ һһһһ	unidade interior	Εσωτερική μονάδα	
	Sisäyksikkö	Vnitřní jednotka	Вьһһһһһ һһһһ	jednostka wewnętrzna		
3	Medium-temperature application	Mitteltemperaturanwendung	'application à moyenne température	le applicazioni a media temperatura	la aplicación de media temperatura	la aplicación de media temperatura
	middletemperature-toe-passing	mediumtemperaturapplikation	middletemperaturtoevindelsen	a aplicação a média temperatura	η εφαρμογή σε μέση θερμοκρασία	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	sifedtemperatuurapplicatie	среднотемпературното приложение	zastosowania w średnich temperaturach		
4	Low-temperature application	Niedertemperaturanwendung	'application à basse température	le applicazioni a bassa temperatura	la aplicación de baja temperatura	la aplicación de baja temperatura
	lowtemperature-toe-passing	lagtemperaturapplikation	lavtemperaturtoevindelsen	a aplicação a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία	η εφαρμογή σε χαμηλή θερμοκρασία
	matalämpötilan sovellus	nizkotemperaturne priloženja	нискотемпературни приложения	zastosowania w niskich temperaturach		
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	la clase de eficiencia energética estacional de calefacción
	de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming	säsongrelaterade 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	η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου
	tilalämmityksen kausittainen energiatehokkuusluokka	třída sezonní energetické účinnosti vytápění	классът на сезонната отоплителна енергийна ефективност	klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	la clase de eficiencia energética del caldeo de agua	la clase de eficiencia energética del caldeo de agua
6	Water heating energy efficiency class	de energie-efficiëntieklasse voor waterverwarming	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 de agua	la clase de eficiencia energética de agua
	waterheating energy efficiency class	energieeffektivitetsklass vid vattenuppvärmning	классът на енергийната ефективност при подгръване на вода	klasa efektywności energetycznej podgrzewania wody	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού
	vedenlämmityksen energiatehokkuusluokka	třída energetické účinnosti ohřevu vody	классът на енергийната ефективност при подгръване на вода	klasa efektywności energetycznej podgrzewania wody		
7	Rated heat output under average climate conditions	die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)	la potencia calorífica nominal (en condiciones climáticas medias)	la potencia calorífica nominal (en condiciones climáticas medias)
	de nominale warmteafgifte (onder gemiddelde klimaatomstandigheden)	Den nominella värmeeffekten (under genomsnittliga klimatförhållanden)	den nominelle nytteeffekt (under genomsnittlige klimaförhållanden)	A potência calorífica nominal (em condições climáticas médias)	η ονομαστική θερμική ισχύς (υπό μέσας κλιματικής συνθήκες)	η ονομαστική θερμική ισχύς (υπό μέσας κλιματικής συνθήκες)
	nimellislämpöteho (keskimääräisissä ilmastoloosuhteissa)	jmenovitý tepelný výkon (za průměrných klimatických podmínek)	номиналната топлинна мощност (при средни климатични условия)	známenovná moc tepla (v průměrných klimatických podmínkách)		
	For space heating, annual energy consumption under average climate conditions	for die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, (dans les conditions climatiques moyennes)	Para o aquecimento ambiente, o consumo anual de energia (em condições climáticas médias)	para calefater espacios, el consumo anual de energía (en condiciones climáticas medias)	para calefater espacios, el consumo anual de energía (en condiciones climáticas medias)
	For ruimteverwarming, het jaarlijkse energieverbruik (onder gemiddelde klimaatomstandigheden)	För rumsuppvärmning, årlig energiförbrukning (vid genomsnittliga klimatförhållanden)	за отопление, годишното потребление на енергия (при средни климатични условия)	Per il riscaldamento d'ambiente, il consumo annuo di energia (in condizioni climatiche medie)	para calefater agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calefater agua, el consumo anual de electricidad (en condiciones climáticas medias)
	tilalämmityksen vuosittainen energiankulutus (keskimääräisissä ilmastoloosuhteissa)	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)	para o aquecimento de água, o consumo anual de electricidade (em condições climáticas médias)	για την θέρμανση νερού, η ετήσια καταναλωση ηλεκτρικής ενέργειας (υπό μέσας κλιματικής συνθήκες)	για την θέρμανση νερού, η ετήσια καταναλωση ηλεκτρικής ενέργειας (υπό μέσας κλιματικής συνθήκες)
9	For water heating, annual electricity consumption under average climate conditions	Für vattenuppvärmning, årlig elförbrukning, vid genomsnittliga klimatförhållanden)	for vanderopvarmning det årlige elforbrug (under gennemsnitlige klimaförhållanden)	para o aquecimento de água, o consumo anual de electricidade (em condições climáticas médias)	para calefater agua, el consumo anual de electricidad (en condiciones climáticas medias)	para calefater agua, el consumo anual de electricidad (en condiciones climáticas medias)
	waterheating energy efficiency under average climate conditions	pro ohřevu vody – roční spotřeba elektrické energie za průměrných klimatických podmínek	за подгръване на вода, годишното потребление (при средни климатични условия)	per il riscaldamento dell'acqua, il consumo annuo di energia (in condizioni climatiche medie)	la eficiencia energética estacional de calefacción (en condiciones climáticas medias)	la eficiencia energética estacional de calefacción (en condiciones climáticas medias)
	Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	'efficacité énergétique saisonnière pour le chauffage des locaux (dans les conditions climatiques moyennes)	la eficiencia energética stagionale di riscaldamento d'ambiente (in condizioni climatiche medie)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό μέσας κλιματικής συνθήκες)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό μέσας κλιματικής συνθήκες)
10	de seizoensgebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde klimaatomstandigheden)	Säsongmedelverkningsgrad för rumsuppvärmning (vid genomsnittliga klimatförhållanden)	atsvirkningsgraden ved rumopvarmning (under gennemsnitlige klimaförhållanden)	seasonal energy efficiency (under genomsnittlige klimaticke medies)	la eficiencia energética do aquecimento ambiente sazonal (em condições climáticas médias)	la eficiencia energética do aquecimento ambiente sazonal (em condições climáticas médias)
	tilalämmityksen kausittainen energiatehokkuus (keskimääräisissä ilmastoloosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	сезонната енергийна ефективност при отопление (при средни климатични условия)	l'efficienza energetica di riscaldamento d'acqua (, in condizioni climatiche medie)	la eficiencia energética de agua (en condiciones climáticas medias)	la eficiencia energética de agua (en condiciones climáticas medias)
11	Water heating energy efficiency under average climate conditions	die Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	'efficacité énergétique pour le chauffage de l'eau (dans les conditions climatiques moyennes)	la eficiencia energética de calentamiento de agua (en condiciones climáticas medias)	η ενεργειακή απόδοση θέρμανσης νερού (υπό μέσας κλιματικής συνθήκες)	η ενεργειακή απόδοση θέρμανσης νερού (υπό μέσας κλιματικής συνθήκες)
	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	Energieeffektivitet ved vattenuppvärmning (vid genomsnittliga klimatförhållanden)	енергийната ефективност при подгръване на вода (при средни климатични условия)	a eficiência energética do aquecimento de água (em condições climáticas médias)	el nivel de potencia acústica L <sub>WA</sub> en interiores	el nivel de potencia acústica L <sub>WA</sub> en interiores
	waterheating energy efficiency class	energieeffektivitetsklass vid vattenuppvärmning (under genomsnittliga klimatförhållanden)	le niveau de puissance acoustique L <sub>WA</sub> à l'intérieur	efektüvnyöst energiatárazvány (átlagos időjárási viszonyok között)	η στάθμη ηχητικής ισχύος L <sub>WA</sub> εσωτερικού χώρου	η στάθμη ηχητικής ισχύος L <sub>WA</sub> εσωτερικού χώρου
	vedenlämmityksen energiatehokkuus L <sub>WA</sub> binnen	der Schalleistungspegel L <sub>WA</sub> in Gebäuden	υδρoφωνητική ισχύς L <sub>WA</sub> α εσωτερικού χώρου	O nivel de potencia sonora L <sub>WA</sub> no interior		
12	Sound power level L <sub>WA</sub> indoor	Ljudeffektivitet L <sub>WA</sub> i inomhus	нивоът на звуковата мощност L <sub>WA</sub> вътре	O nivel de potencia sonora L <sub>WA</sub> no interior		
	het geluidsvermogensniveau L <sub>WA</sub> binnen	Hörselstärkans nivå i inomhus	нивоът на звуковата мощност L <sub>WA</sub> вътре	poziom moc akustycznej L <sub>WA</sub> no interior		
	äänitehotaso L <sub>WA</sub> sisällä	hadina akustičkého výkonu L <sub>WA</sub> ve vnitřním prostoru	нивоът на звуковата мощност L <sub>WA</sub> вътре	funzione soltanto durante las horas de baja demanda		
13	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	funcioner qu'en heures creuses	funcionar solamente durante las horas de baja demanda		
	werken uitsluitend in de daluren	drivas utslutande under perioder med låg belastning	fungere uden for spidsbelastningsperioder	λειτουργία μόνο εκτός των ωρών αιχμής		
	toimimaan ainoastaan kuluustuuhpujen ulkopuolella	provazu pouze mimo špičku	работи само в часовете извън върховото натоварване			
14	Rated heat output under colder climate conditions	die Wärmenennleistung bei kälteren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus froides	la potencia calorífica nominal, en condiciones climáticas más frías	la potencia calorífica nominal en condiciones climáticas más frías	la potencia calorífica nominal en condiciones climáticas más frías
	de nominale warmteafgifte, onder koude klimaatomstandigheden	Nominell årgiven värmeeffekt vid kallare klimatförhållanden	den nominelle nytteeffekt under koldere klimaförhållanden	A potência calorífica nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς (υπό ψυχρότερες κλιματικές συνθήκες)	η ονομαστική θερμική ισχύς (υπό ψυχρότερες κλιματικές συνθήκες)
	niemillisilämpöteho, kylmissä ilmastoloosuhteissa	jmenovitý tepelný výkon za chladnějších klimatických podmínek	номиналната топлинна мощност при по-студени климатични условия	známenovná moc tepla v chladnějším klimatu chladného		
	Rated heat output under warmer climate conditions	die Wärmenennleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potencia calorífica nominal, en condiciones climáticas más cálidas	la potencia calorífica nominal en condiciones climáticas más cálidas	la potencia calorífica nominal en condiciones climáticas más cálidas
	de nominale warmteafgifte, onder warmere klimaatomstandigheden	Nominell årgiven värmeeffekt vid varmare klimatförhållanden	den nominelle nytteeffekt under varmere klimaförhållanden	A potência calorífica nominal em condições climáticas mais quentes	η ονομαστική θερμική ισχύς (υπό θερμότερες κλιματικές συνθήκες)	η ονομαστική θερμική ισχύς (υπό θερμότερες κλιματικές συνθήκες)
	niemillisilämpöteho, lämpimissä ilmastoloosuhteissa	jmenovitý tepelný výkon za teplejších klimatických podmínek	номиналната топлинна мощност при по-топли климатични условия	známenovná moc tepla v teplejším klimatu chladného		
16	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	for 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 calefater espacios, el consumo anual de energía en condiciones climáticas más frías	para calefater espacios, el consumo anual de energía en condiciones climáticas más frías
	voor ruimteverwarming, het jaarlijkse energieverbruik onder koude klimaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	за отопление, годишното потребление на енергия при по-студени климатични условия	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais frias	για θέρμανση χώρου, η ετήσια καταναλωση ενέργειας (υπό ψυχρότερες κλιματικές συνθήκες)	για θέρμανση χώρου, η ετήσια καταναλωση ενέργειας (υπό ψυχρότερες κλιματικές συνθήκες)
	tilalämmityksen vuosittainen energiankulutus kylmissä ilmastoloosuhteissa	für die Raumheizung, den jährliche Energieverbrauch bei chladnějších klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични условия	o adhesienu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu chłodnego		
	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	para calefater espacios, el consumo anual de energía en condiciones climáticas más cálidas	para calefater 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	за отопление, годишното потребление на енергия при по-топли климатични условия	o adhesienu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ciepłego		
	tilalämmityksen vuosittainen energiankulutus lämpimissä ilmastoloosuhteissa	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen	за отопление, годишното потребление на енергия при по-топли климатични условия	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più calde	για θέρμανση νερού, η ετήσια καταναλωση ηλεκτρικής ενέργειας (υπό θερμότερες κλιματικές συνθήκες)	για θέρμανση νερού, η ετήσια καταναλωση ηλεκτρικής ενέργειας (υπό θερμότερες κλιματικές συνθήκες)
18	For water heating, annual energy consumption under colder climate conditions	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	for vanderopvarmning det årlige elforbrug under koldere klimaförhållanden	para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais frias	para calefater agua, el consumo anual de electricidad en condiciones climáticas más calidas	para calefater agua, el consumo anual de electricidad en condiciones climáticas más calidas
	waterheating energy efficiency under colder climate conditions	pro ohřevu vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek	енергийната ефективност при подгръване на вода (при по-студени климатични условия)	o adhesienu do podgrzewania wody, roczne zużycie energii w warunkach klimatu chłodnego		
	Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	'efficacité énergétique saisonnière pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	Para o aquecimento de água, o consumo anual de electricidade em condições climáticas mais quentes	la eficiencia energética estacional de calefacción (en condiciones climáticas más cálidas)	la eficiencia energética estacional de calefacción (en condiciones climáticas más cálidas)
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde klimaatomstandigheden)	Säsongmedelverkningsgrad för rumsuppvärmning (under kallare klimatförhållanden)	atsvirkningsgraden ved rumopvarmning under koldere klimaförhållanden	seasonal energy efficiency (under genomsnittlige klimaticke medies)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό ψυχρότερες κλιματικές συνθήκες)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό ψυχρότερες κλιματικές συνθήκες)
	tilalämmityksen kausittainen energiatehokkuus kylmissä ilmastoloosuhteissa	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	сезонната енергийна ефективност при отопление (при по-топли климатични условия)	l'efficienza energetica stagionale di riscaldamento d'ambiente (in condizioni climatiche più fredde)	la eficiencia energética estacional de calefacción	la eficiencia energética estacional de calefacción
21	Water heating energy efficiency under warmer climate conditions	die Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	la eficiencia energética de calentamiento de agua (en condiciones climáticas más cálidas)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)	η ενεργειακή απόδοση της εποχιακής θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)
	waterheating energy efficiency under warmer climate conditions	Energieeffektivitet ved vattenuppvärmning (under kallare klimatförhållanden)	енергийната ефективност при подгръване на вода (при по-студени климатични условия)	a eficiência energética do aquecimento ambiente sazonal (em condições climáticas médias)	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)
	vedenlämmityksen energiatehokkuus lämpimissä ilmastoloosuhteissa	sezonová efektyvnost energetického zgrzewania pomieszczeń w cieplejszym klimacie chłodnego	классът на енергийната ефективност при подгръване на вода (при по-топли климатични условия)	l'efficienza energetica stagionale di riscaldamento d'ambiente (in condizioni climatiche più calde)		
22	Water heating energy efficiency under colder climate conditions	die Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	la eficiencia energética de calentamiento de agua (en condiciones climáticas más frías)	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)	η απόδοσης ενεργειακής απόδοσης θέρμανσης νερού (υπό θερμότερες κλιματικές συνθήκες)
	waterheating energy efficiency under warmer climate conditions	Energieeffektivitet ved vattenuppvärmning under kallare klimatförhållanden	енергийната ефективност при подгръване на вода (при по-топли климатични условия)	efektüvnyöst energiatárazvány (átlagos időjárási viszonyok között)		
	vedenlämmityksen energiatehokkuus kylmissä ilmastoloosuhteissa	der Schalleistungspegel L <sub>WA</sub> im Freien	υδρoφωνητική ισχύς L <sub>WA</sub> α εσωτερικού χώρου	O nivel de potencia sonora L <sub>WA</sub> al esterno		
	Sound power level L <sub>WA</sub> outdoor	Ljudeffektivitet L <sub>WA</sub> utomhus	нивоът на звуковата мощност L <sub>WA</sub> вътре	O nivel de potencia sonora L <sub>WA</sub> no exterior		
	het geluidsvermogensniveau L <sub>WA</sub> buiten	hadina akustičkého výkonu L <sub>WA</sub> ve venkovním prostoru	нивоът на звуковата мощност L <sub>WA</sub> вътре	poziom moc akustycznej L <sub>WA</sub> na zewnątrz		
	äänitehotaso L <sub>WA</sub> ulkona					

Model(s):	Outdoor unit:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	1.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.05	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.20	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.83	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.58	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.8	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	7387	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	75	%	
Daily electricity consumption	Q <sub>elec</sub>	6.600	kW/h				
Annual electricity consumption	AEC	1441	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:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.74	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.61	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.3	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.74	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.72	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5341	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	75	%	
Daily electricity consumption	Q <sub>elec</sub>	6.600	kW/h				
Annual electricity consumption	AEC	1441	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:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.7	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.23	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.19	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.69	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	7263	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	55	%	
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	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:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.77	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	5.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.34	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.72	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors	-	6600	m <sup>3</sup> /h
Capacity control	variable						
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5844	kWh				

For heat pump combination heater:				Water heating energy efficiency	$\eta_{wh}$	55	%
Declared load profile	L						
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	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:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	10.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.4	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	2.97	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.7	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.04	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	3746	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	86	%	
Daily electricity consumption	Q <sub>elec</sub>	5.700	kW/h				
Annual electricity consumption	AEC	1264	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:	PUMY-P140VKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	2.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.85	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.67	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.63	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2830	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	86	%	
Daily electricity consumption	Q <sub>elec</sub>	5.700	kW/h				
Annual electricity consumption	AEC	1264	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:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	1.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.05	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.20	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.83	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.58	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.8	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)
Annual energy consumption	Q <sub>HE</sub>	7387	kWh
Rated air flow rate, outdoors		6600	m <sup>3</sup> /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q <sub>elec</sub>	6.600	kWh
Annual electricity consumption	AEC	1441	kWh
Water heating energy efficiency	$\eta_{wh}$	75	%

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

Model(s):	Outdoor unit:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.74	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.61	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.3	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.74	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.72	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5341	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	75	%	
Daily electricity consumption	Q <sub>elec</sub>	6.600	kW/h				
Annual electricity consumption	AEC	1441	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:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.7	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.23	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.19	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.69	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	7263	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	55	%	
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	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:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.77	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	5.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.34	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.72	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors	-	6600	m <sup>3</sup> /h
Capacity control		variable					
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5844	kWh				

For heat pump combination heater:				Water heating energy efficiency	$\eta_{wh}$	55	%
Declared load profile		L					
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	kW/h				

Contact details		MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS	3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan
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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:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	10.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.4	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	2.97	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.7	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.04	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)
Annual energy consumption	Q <sub>HE</sub>	3746	kWh
Rated air flow rate, outdoors		6600	m <sup>3</sup> /h

For heat pump combination heater:			
Declared load profile		L	
Water heating energy efficiency	$\eta_{wh}$	86	%
Daily electricity consumption	Q <sub>elec</sub>	5.700	kWh
Annual electricity consumption	AEC	1264	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:	PUMY-P140YKM4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	2.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.85	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.67	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.63	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2830	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	86	%	
Daily electricity consumption	Q <sub>elec</sub>	5.700	kW/h				
Annual electricity consumption	AEC	1264	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:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	1.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.05	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.20	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.83	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.58	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.8	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	7387	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	75	%	
Daily electricity consumption	Q <sub>elec</sub>	6.600	kW/h				
Annual electricity consumption	AEC	1441	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:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.74	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.61	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.3	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.74	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.72	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	1.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors	-	6600	m <sup>3</sup> /h
Capacity control		variable					
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5341	kWh				

For heat pump combination heater:				Water heating energy efficiency	$\eta_{wh}$	75	%
Declared load profile		L					
Daily electricity consumption	Q <sub>elec</sub>	6.600	kW/h				
Annual electricity consumption	AEC	1441	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:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.24	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.7	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.23	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.19	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.69	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	9.9	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	1.80	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	7263	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	55	%	
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	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:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	8.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.77	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	5.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.34	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.72	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.69	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	2.74	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	8.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors	-	6600	m <sup>3</sup> /h
Capacity control		variable					
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	5844	kWh				

For heat pump combination heater:				Water heating energy efficiency	$\eta_{wh}$	55	%
Declared load profile		L					
Daily electricity consumption	Q <sub>elec</sub>	8.900	kW/h				
Annual electricity consumption	AEC	1955	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:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	10.0	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.4	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	2.97	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	6.7	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.04	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	10.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.7	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.50	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)
Annual energy consumption	Q <sub>HE</sub>	3746	kWh
Rated air flow rate, outdoors		6600	m <sup>3</sup> /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q <sub>elec</sub>	5.700	kWh
Annual electricity consumption	AEC	1264	kWh
Water heating energy efficiency	$\eta_{wh}$	86	%

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MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS	3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan

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

Model(s):	Outdoor unit:	PUMY-P140YKME4
	Indoor unit:	EHSC-****
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	11.2	kW	Seasonal space heating energy efficiency	$\eta_s$	-	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	2.51	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.85	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	7.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	6.67	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	11.2	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.51	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.9	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.63	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
				Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.040	kW				
Standby mode	P <sub>SB</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.010	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	6600	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/69	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2830	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		$\eta_{wh}$	86	%	
Daily electricity consumption	Q <sub>elec</sub>	5.700	kW/h				
Annual electricity consumption	AEC	1264	kW/h				

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