Model(s): Air to water heat pump: Water to water heat pump: Brine to water heat pump: Low temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for medium temperature application Item Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature Tj Tj = -7 °C Pdh Tj = 7 °C Pdh Tj = 12 °C Pdh Tj = operating limit Pdh For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff Standby mode Psb	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	Unit kW loor kW kW kW kW kW kW kW kW kW kW	CH-HE YES NO NO NO AVERP	GE GE GE GE GE GE GE GE GE GE	Symbol ŋ=h rgy ratio for COPa COPa COPa COPa COPa COPa COPa COPa	Value 204,9 • part load at 3,26 4,98 6,81 9,66 3,26 2,87 - - -10	Unit % indoor 88 54 35 15 88 100 - °C
Water to water heat pump: Brine to water heat pump: Low temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for medium temperature applicatio Item Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature temperature Tj Fj = -7 °C Pdh Fj = 2 °C Pdh Fj = 12 °C Pdh Fj = 12 °C Pdh Fj = operating limit Pdh Fj = operating limit Pdh For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Defined	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW	NO NO NO NO	Item Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100 -
Brine to water heat pump: Gow temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for medium temperature applicatio Item Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature Tj Pi = -7 °C Pdh Pj = 2 °C Pdh Pj = 12 °C Pdh Pj = operating limit Pdh Pj = operating limit Pdh Rot air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Operadation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW	NO NO NO NO	Item Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	* indoor 88 54 35 15 88 100 -
Low temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for medium temperature application Item Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature Tj Fj = -7 °C Pdh Fj = 2 °C Pdh Fj = 12 °C Pdh Fj = ibivalent temperature Pdh Fj = operating limit Pdh Fj = operating limit Pdh Rot air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Operadation co-efficient(**) Cdh Poff Off mode Poff	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW	NO NO NO	Item Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100
Equipped with a supplementary heater: deat pump combination heater: Declared climate condition: Parameters are declared for medium temperature application Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature memperature Tj Ptj = -7 °C Pdh Ptj = 2 °C Pdh Ptj = 12 °C Pdh Ptj = operating limit Pdh Ptj = operating limit Pdh Ptj = operating limit Pdh Sivalent temperature Tbiv Synloain temperature Pdh Ptj = operating limit Pdh Over air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Operadation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW	NO NO	Item Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100
leat pump combination heater: Declared climate condition: Parameters are declared for medium temperature applicatio Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature memperature Tj Declared capacity for heating for part load at indoor temperature memperature Tj Declared capacity for heating for part load at indoor temperature memperature Tj Declared capacity for heating for part load at indoor temperature Declared capacity for heating for part load at indoor temperature Declared capacity for heating for part load at indoor temperature Declared capacity for heating for part load at indoor temperature Declared capacity for heating Path Declared capacity for heating Pcych Declared capacity for heating Pcych	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW	NO	Item Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100 -
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Item Symbol Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature Tj Pride Pfj = -7 °C Pdh Pfj = 2 °C Pdh Pfj = 12 °C Pdh Pfj = bivalent temperature Pdh Pfj = operating limit Pdh Pf = operating limit Pdh Ror air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Operadation co-efficient(**) Cdh Poff Poff	Value 4.955 e 20 C and out 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -	kW Boor kW kW kW kW kW kW kW kW		Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100
Rated heat output (*) Prated Peclared capacity for heating for part load at indoor temperature Tj Pdh Pj = -7 °C Pdh Pj = 2 °C Pdh Pj = 7 °C Pdh Pj = 12 °C Pdh Pj = operating limit Pdh Pj = operating limit Pdh Pj = operating limit Pdh Por air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Sycling interval capacity for heating Pcych Obser consumtion in modes other than active mode Poff	4.955 e 20 C and outo 2.9 2.097 2.501 4.384 5.094 - -7 -7 -7	kW Boor kW kW kW kW kW kW kW kW	-	Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	% indoor 88 54 35 15 88 100 -
Rated heat output (*) Prated Declared capacity for heating for part load at indoor temperature Tj Pdh Fj = -7 °C Pdh Fj = 2 °C Pdh Fj = 7 °C Pdh Fj = 12 °C Pdh Fj = operating limit Pdh Fj = operating limit Pdh For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Operadation co-efficient(**) Cdh Poff Poff	4.955 e 20 C and outo 2.9 2.097 2.501 4.384 5.094 - -7 -7 -7	kW Boor kW kW kW kW kW kW kW kW		Seasonal space heating energy efficiency Declarated coefficient of performance or primary ener temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	ŋsh rgy ratio for COPa COPa	204.9 part load at 3,26 4.98 6,81 9,66 3,26 2.87 -	* indoor 88 54 35 15 88 100 -
Declared capacity for heating for part load at indoor temperature Ti Tj = -7 °C Pdh Tj = 2 °C Pdh Tj = 7 °C Pdh Tj = 12 °C Pdh Tj = operating limit Pdh Fj = operating limit Pdh For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	e 20 C and outa 4.384 2.9 2.097 2.501 4.384 5.094 - -7 -7 -	loor kW kW kW kW kW kW kW c		Declarated coefficient of performance or primary energy temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	rgy ratio for COPa COPa COPa COPa COPa COPa COPa COPa	part load at 3.26 4.98 6.81 9.66 3.26 2.87 -	indoor 88 54 35 15 88 100 -
emperature Tj Pdh tj = -7 °C Pdh tj = 2 °C Pdh tj = 7 °C Pdh tj = 12 °C Pdh tj = bivalent temperature Pdh tj = operating limit Pdh to r air-to-water heat pumps: Tj = -15C Pdh tivalent temperature Tbiv tivalent temperature Tbiv togradation co-efficient(**) Cdh tower consumtion in modes other than active mode Poff	4.384 2.9 2.097 2.501 4.384 5.094 - -7 -7 -7	kW kW kW kW kW kW c	-	<pre>temperature 20 C and outdoor temperature Tj Tj = -7 °C Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit</pre>	COPa COPa COPa COPa COPa COPa COPa	3,26 4,98 6,81 9,66 3,26 2,87 -	88 54 35 15 88 100 -
Pdh Pj = 2 °C Pdh Pj = 7 °C Pdh Pj = 12 °C Pdh Pj = bivalent temperature Pdh Pj = operating limit Pdh Pj = operating limit Pdh Por air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Experimentary Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Def mode	2.9 2.097 2.501 4.384 5.094 - -7 -7 -7	kW kW kW kW kW kW	-	Tj = 2 °C Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa COPa COPa COPa COPa COPa	4.98 6.81 9.66 3.26 2.87 -	54 35 15 88 100 -
Pj = 7 °C Pdh Pj = 12 °C Pdh Pj = bivalent temperature Pdh Pj = operating limit Pdh Por air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	2.097 2.501 4.384 5.094 - -7 -7	kW kW kW kW c	-	Tj = 7 °C Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa COPa COPa COPa COPa	6,81 9,66 3,26 2,87 -	35 15 88 100 -
bj = 12 °C Pdh bj = bivalent temperature Pdh bj = operating limit Pdh bor air-to-water heat pumps: Tj = -15C Pdh bivalent temperature Tbiv bivalent temperature Tbiv vgling interval capacity for heating Pcych begradation co-efficient(**) Cdh cover consumtion in modes other than active mode Poff	2,501 4,384 5,094 - -7 -7	kW kW kW kW	-	Tj = 12 °C Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa COPa COPa COPa	9,66 3,26 2,87 -	15 88 100 -
Pdh Pdh Pj = operating limit Pdh Por air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	4.384 5.094 - -7 -7	kW kW kW °C	-	Tj = bivalent temperature Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa COPa COPa	3,26 2,87 -	88
Pj = operating limit Pdh For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Cycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	5.094 - -7 -7	kW kW °C	-	Tj = operating limit For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa COPa	2,87	100
For air-to-water heat pumps: Tj = -15C Pdh Bivalent temperature Tbiv Sycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	-7	k₩ °C	-	For air-to-water heat pumps: Tj = -15C For air to water heat pumps: Operation limit	COPa	-	-
Bivalent temperature Tbiv Bycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Poff	-7	°C	-	For air to water heat pumps: Operation limit			-
ycling interval capacity for heating Pcych Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Off mode Poff	-				Tol	-10	•
Degradation co-efficient(**) Cdh Power consumtion in modes other than active mode Off mode Poff		1-W	_	1		1	
Power consumtion in modes other than active mode Off mode Poff		KW		Cycling interval efficiency	COPcyc	-	-
ff mode Poff	0,97	-		Heating water operating limit T	WTOL	-	°C
		1	1	Suplementary heater		l	1
tandby mode Psb	0,01	kW			_		
	0,01	kW		Rated heat output (**)	Psup	-	kW
"hermostat - off mode Pto	0,01	kW					
Crankcase heater mode Pck	0,042	kW	1	Type of energy input		-	
	ļ	1	! 1	· 	-		1
ther items			-				
Capacity control	variable			For air to water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /1
ound power level, indoors/outdoors LWA	57	dB		For water or brine to water heat pumps: Rated brine or water flow rate, outdoor heat	-	-	m ³ /1
Annual energy consumption QHE	1970	kWh		exchanger			
or heat pump combination heater							
eclared load profile				Water heating energy efficiency			00
ayly electricity consumption Qdec	-	kWh		Daily fuel consumption	Qfuel		kWh
Annual electricity consumption AEC	-	kWh		Annual fuel consumption	AFC		GJ
	d Hunter Inte ang town, Nan					No.3,	Tianyua

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.