

ANTΛΙΑ ΘΕΡΜΟΤΗΤΑΣ ΑΕΡΑ - NEPOY AIR TO WATER HEAT PUMP

MPH-16331

TEXNIKA XAPAKTHPIΣTIKA TECHNICAL DATA

ΣΗΜΑΝΤΙΚΗ ΣΗΜΕΙΩΣΗ

Ευχαριστούμε πολύ για την αγορά του προϊόντος μας.: Πριν χρησιμοποιήσετε τη μονάδα σας, διαβάστε προσεκτικά αυτό το εγχειρίδιο και φυλάξτε το για μελλοντική αναφορά.

			Techr	cal parameters							
Model(s):				MPH-16331							
Air-to-water heat pump:				yes							
Water-to-water heat pump:				no							
Brine-to-water heat pump:											
Low-temperature heat pump:)							
Equipped with a supplementary heater:				es e							
Heat pump combination heater:)							
Declared climate condition:				verage							
Parameters are declared for low-tempera	ture applicat	ion.									
Item	Symbol	Value	Unit	Item Symbol Value	Unit						
Rated heat output (*)	P _{rated}	15	kW	Seasonal space heating energy efficiency η _s 179	%						
Declared capacity for heating for part load outdoor temperature T _j	d at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load at indoor temperature 20 °C and outdemperature T _j	door						
$T_j = -7^{\circ}C$	P _{dh}	13.4	kW	$T_j = -7^{\circ}C$ COP_d 2.66	-						
T _j = + 2°C	P _{dh}	8.0	kW	$T_j = + 2^{\circ}C$ COP_d 4.33	-						
T _j = + 7°C	P _{dh}	5.4	kW	$T_j = +7^{\circ}C$ COP _d 6.48	-						
T _j = + 12°C	P _{dh}	4.6	kW	$T_j = + 12^{\circ}C$ COP _d 8.96	-						
T_j = bivalent temperature	P _{dh}	13.4	kW	T_j = bivalent temperature COP_d 2.66	-						
T _j = operation limit temperature	P _{dh}	13.4	kW	T _j = operation limit temperature COP _d 2.46	-						
For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	P _{dh}	N/A	kW	For air-to-water heat pumps: T _j = -15°C COP _d N/A	-						
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation Ilmit temperature TOL -10	°C						
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency COP _{cyc} N/A							
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature WTOL 65	°C						
Power consumption in modes other than	active mode			Supplementary heater							
Off mode	P _{OFF}	0.014	kW	Rated heat output (**) P _{sup} 1.6	kW						
Thermostat-off mode	P _{TO}	0.024	kW								
Standby mode	P _{SB}	0.014	kW	Type of energy input Electric							
Crankcase heater mode	P _{CK}	0.000	kW								
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors - 6000	m³/h						
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor - N/A	m³/h						
Annual energy consumption	Q _{HE}	6863	kWh	heat exchanger							
For heat pump combination heater:	•										
Declared load profile		N/A		Water heating energy efficiency η _{wh} N/A	%						
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption Q _{fuel} N/A	kWh						
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption AFC N/A	GJ						
Contact details	See the bac	k cover of th	e manual								
(*) For heat pump space heaters and heat of a supplementary heater Psup is equal (**) If Cdh is not determined by measurer	to the supple	mentary cap	acity for hea		neat outpu						

Model(s):				MPH-16331							
Air-to-water heat pump:				yes							
Water-to-water heat pump:				no							
Brine-to-water heat pump:				no							
Low-temperature heat pump:				no							
Equipped with a supplementary heater:				yes							
Heat pump combination heater:				no							
Declared climate condition:				warmer							
Parameters are declared for low-tempera	ture applicat	ion.									
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit				
Rated heat output (*)	P _{rated}	13	kW	Seasonal space heating energy efficiency	η _s	239	%				
Declared capacity for heating for part load outdoor temperature T _j	at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load temperature T _j	I at indoor tempe	rature 20 °C and	d outdoor				
T _j = - 7°C	P _{dh}	N/A	kW	$T_j = -7^{\circ}C$	COP _d	N/A	-				
T _j = + 2°C	P _{dh}	13.3	kW	T _j = + 2°C	COP _d	3.33	-				
T _j = + 7°C	P _{dh}	8.5	kW	$T_j = + 7^{\circ}C$	COPd	5.19	-				
T _j = + 12°C	P _{dh}	4.8	kW	$T_j = + 12^{\circ}C$	COPd	7.95	-				
T _j = bivalent temperature	P _{dh}	8.5	kW	T _j = bivalent temperature	COP _d	5.19	-				
T _j = operation limit temperature	P _{dh}	13.3	kW	T _j = operation limit temperature	COPd	3.33	-				
For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	P _{dh}	N/A	kW	For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	COP _d	N/A	-				
Bivalent temperature	T _{biv}	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C				
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _{cyc}	N/A	-				
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	WTOL	65	°C				
Power consumption in modes other than	active mode			Supplementary heater							
Off mode	P _{OFF}	0.014	kW	Rated heat output (**)	P_{sup}	0.0	kW				
Thermostat-off mode	P _{TO}	0.024	kW								
Standby mode	P _{SB}	0.014	kW	Type of energy input		Electric					
Crankcase heater mode	P _{CK}	0.000	kW								
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6000	m ³ /ł				
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	N/A	m³/l				
Annual energy consumption	Q _{HE}	2934	kWh	heat exchanger							
For heat pump combination heater:		•	•			•	•				
Declared load profile		N/A		Water heating energy efficiency	η_{wh}	N/A	%				
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kW				
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption	AFC	N/A	GJ				
Contact details	See the bac	k cover of th	e manual	l	ı	1	ı				

or a supprementary neater Psup is equal to the supprementary capacity for heating $\sup(T_j)$. (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

Model(s):				MPH-16331							
Air-to-water heat pump:				yes							
Water-to-water heat pump:				no							
Brine-to-water heat pump:				no							
Low-temperature heat pump:				no							
Equipped with a supplementary heater:				yes							
Heat pump combination heater:				no							
Declared climate condition:				colder							
Parameters are declared for low-tempera	ture applicat	ion.									
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit				
Rated heat output (*)	P _{rated}	14	kW	Seasonal space heating energy efficiency	η _s	156	%				
Declared capacity for heating for part load outdoor temperature T _j	d at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load temperature T _j	d at indoor tempe	rature 20 °C and	d outdoor				
T _j = - 7°C	P_{dh}	9.1	kW	$T_j = -7^{\circ}C$	COP _d	3.30	-				
T _j = + 2°C	P _{dh}	5.0	kW	T _j = + 2°C	COP _d	4.87	-				
T _j = + 7°C	P _{dh}	4.2	kW	$T_j = + 7^{\circ}C$	COP _d	6.50	-				
T _j = + 12°C	P _{dh}	3.7	kW	T _j = + 12°C	COPd	7.59	-				
T _j = bivalent temperature	P _{dh}	11.3	kW	T _j = bivalent temperature	COP _d	2.28	-				
T _j = operation limit temperature	P _{dh}	9.8	kW	T _j = operation limit temperature	COP _d	1.89	-				
For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	P _{dh}	N/A	kW	For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	COP _d	N/A	-				
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C				
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _{cyc}	N/A	-				
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	WTOL	65	°C				
Power consumption in modes other than	active mode			Supplementary heater							
Off mode	P _{OFF}	0.014	kW	Rated heat output (**)	P_{sup}	4.2	kW				
Thermostat-off mode	P _{TO}	0.024	kW								
Standby mode	P _{SB}	0.014	kW	Type of energy input		Electric					
Crankcase heater mode	P _{CK}	0.000	kW								
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6000	m³/ŀ				
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	N/A	m ³ /l				
Annual energy consumption	Q _{HE}	8618	kWh	heat exchanger							
For heat pump combination heater:	-	•	•		•	•	•				
Declared load profile		N/A		Water heating energy efficiency	η_{wh}	N/A	%				
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kWI				
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption	AFC	N/A	GJ				
Contact details	See the bac	k cover of th	e manual	l	1	1	1				

or a supprementary neater Psup is equal to the supprementary capacity for heating $\sup(T_j)$. (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

Model(s):				MPH-16331							
Air-to-water heat pump:											
Water-to-water heat pump:				yes no							
Brine-to-water heat pump:				no							
Low-temperature heat pump:				no							
i											
Equipped with a supplementary heater:				yes							
Heat pump combination heater:				no							
Declared climate condition:				average							
Parameters are declared for medium-tem	perature app	olication.									
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	P _{rated}	13	kW	Seasonal space heating energy efficiency	η _s	136	%				
Declared capacity for heating for part load outdoor temperature T _j	at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load temperature T _j	at indoor tempe	rature 20 °C and	d outdoor				
$T_j = -7^{\circ}C$	P_{dh}	11.3	kW	$T_j = -7^{\circ}C$	COP _d	2.04	-				
$T_j = + 2^{\circ}C$	P _{dh}	7.3	kW	T _j = + 2°C	COP _d	3.31	-				
$T_j = +7^{\circ}C$	P _{dh}	4.8	kW	T _j = + 7°C	COP _d	4.81	-				
T _j = + 12°C	P _{dh}	4.0	kW	T _j = + 12°C	COP _d	7.35	-				
T_j = bivalent temperature	P _{dh}	11.3	kW	T _j = bivalent temperature	COP _d	2.04	-				
T _j = operation limit temperature	P _{dh}	11.2	kW	T _j = operation limit temperature	COP _d	1.72	-				
For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	P_{dh}	N/A	kW	For air-to-water heat pumps: T _j = – 15°C (if TOL < – 20°C)	COP _d	N/A	-				
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C				
Cycling interval capacity for heating	P_{cych}	N/A	kW	Cycling interval efficiency	COP _{cyc}	N/A	-				
Degradation co-efficient (**)	C_{dh}	0.9	-	Heating water operating limit temperature	WTOL	65	°C				
Power consumption in modes other than active mode				Supplementary heater							
Off mode	P _{OFF}	0.014	kW	Rated heat output (**)	P _{sup}	1.8	kW				
Thermostat-off mode	P _{TO}	0.024	kW								
Standby mode	P_{SB}	0.014	kW	Type of energy input		Electric					
Crankcase heater mode	P _{CK}	0.000	kW								
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6000	m³/ŀ				
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	N/A	m³/l				
Annual energy consumption	Q_{HE}	7593	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		N/A		Water heating energy efficiency	η_{wh}	N/A	%				
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kWI				
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption	AFC	N/A	GJ				
Contact details	See the bac	k cover of th	e manual				•				

or a supprementary neater Psup is equal to the supprementary capacity for heating $\sup(T_j)$. (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

			ı ecn	nical parameters							
Model(s):				MPH-16331							
Air-to-water heat pump:				yes							
Water-to-water heat pump:				no							
Brine-to-water heat pump:				no							
Low-temperature heat pump:				no							
Equipped with a supplementary heater:				yes							
Heat pump combination heater:				no							
Declared climate condition:				warmer							
Parameters are declared for medium-tem	perature app	lication.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	P _{rated}	14	kW	Seasonal space heating energy efficiency	η _s	171	%				
Declared capacity for heating for part load outdoor temperature T _j	d at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load temperature T _j	d at indoor tempe	rature 20 °C and	doutdoor				
$\Gamma_{\rm j} = -7^{\circ}{\rm C}$	P_{dh}	N/A	kW	T _j = -7°C	COP _d	N/A	-				
T _j = + 2°C	P _{dh}	13.2	kW	T _j = + 2°C	COP _d	2.30	-				
T _j = + 7°C	P _{dh}	9.0	kW	T _j = + 7°C	COPd	3.68	-				
T _i = + 12°C	P _{dh}	4.1	kW	T _j = + 12°C	COP _d	5.80	-				
T _i = bivalent temperature	P _{dh}	9.0	kW	T _j = bivalent temperature	COP _d	3.68	-				
T _j = operation limit temperature	P _{dh}	13.2	kW	T _j = operation limit temperature	COP _d	2.30	-				
For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	P _{dh}	N/A	kW	For air-to-water heat pumps: T _j = - 15°C (if TOL < - 20°C)	COP _d	N/A	-				
Bivalent temperature	T _{biv}	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C				
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _{cyc}	N/A	-				
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	WTOL	65	°C				
Power consumption in modes other than	active mode			Supplementary heater							
Off mode	P _{OFF}	0.014	kW	Rated heat output (**)	P _{sup}	0.8	kW				
Thermostat-off mode	P _{TO}	0.024	kW				<u>l</u>				
Standby mode	P _{SB}	0.014	kW	Type of energy input		Electric					
Crankcase heater mode	P _{CK}	0.000	kW								
					-\-						
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6000	m ³ /h				
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	N/A	m³/h				
Annual energy consumption	Q _{HE}	4329	kWh	heat exchanger							
For heat pump combination heater:			1	1 1							
Declared load profile		N/A		Water heating energy efficiency	η_{wh}	N/A	%				
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kWh				
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption	AFC	N/A	GJ				
<u> </u>	See the back cover of the manual										

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

				ical parameters						
Model(s):				MPH-16331						
sir-to-water heat pump:				yes						
Vater-to-water heat pump:				no						
Brine-to-water heat pump:				no						
ow-temperature heat pump:				no						
quipped with a supplementary heater:				yes						
leat pump combination heater:				no						
Declared climate condition:				colder						
Parameters are declared for medium-tem	perature app	lication.								
	ī		I			T	T			
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	P _{rated}	12	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	121	%			
Declared capacity for heating for part load outdoor temperature T _j	d at indoor te	mperature 2	0 °C and	Declared capacity for heating for part load temperature \boldsymbol{T}_j	at indoor tempe	rature 20 °C and	doutdoor			
-j = -7°C	P _{dh}	7.7	kW	$T_j = -7^{\circ}C$	COP _d	2.61	-			
j = + 2°C	P _{dh}	4.5	kW	$T_j = + 2^{\circ}C$	COP _d	3.78	-			
_j = + 7°C	P _{dh}	3.2	kW	$T_j = + 7^{\circ}C$	COP _d	4.87	-			
-j = + 12°C	P _{dh}	3.6	kW	$T_j = + 12^{\circ}C$	COP _d	6.39	-			
j = bivalent temperature	P _{dh}	9.6	kW	T _j = bivalent temperature	COP _d	1.84	-			
j = operation limit temperature	P _{dh}	5.1	kW	T _j = operation limit temperature	COP _d	1.04	-			
For air-to-water heat pumps: $T_j = -15^{\circ}C$ if TOL < $-20^{\circ}C$)	P _{dh}	N/A	kW	For air-to-water heat pumps: $T_j = -15^{\circ}C$ (if TOL < $-20^{\circ}C$)	COP _d	N/A	-			
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C			
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _{cyc}	N/A	-			
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	WTOL	65	°C			
Power consumption in modes other than	active mode		!	Supplementary heater	!	!	ļ			
Off mode	P _{OFF}	0.014	kW	Rated heat output (**)	P _{sup}	6.9	kW			
hermostat-off mode	P _{TO}	0.024	kW			•				
Standby mode	P _{SB}	0.014	kW	Type of energy input		Electric				
Crankcase heater mode	P _{CK}	0.000	kW							
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6000	m³/h			
Sound power level, indoors/ outdoors	L _{WA}	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	N/A	m³/h			
annual energy consumption	Q _{HE}	9389	kWh	heat exchanger						
For heat pump combination heater:										
Declared load profile		N/A		Water heating energy efficiency	η_{wh}	N/A	%			
Paily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kWh			
Annual electricity consumption	AEC	N/A	kWh	Annual fuel consumption	AFC	N/A	GJ			
Contact details	See the bac	k cover of th	e manual		•	•	-			

Inform	ation	requ	iiremen	ts	for comfort chiller	'S					
Model(s):				MPH-16331							
Outdoor side heat exchanger of ch	niller:		Air to water								
indoor side heat exchanger chiller	:		Wa	ter							
Type:			con	npressor driven vapour compressio	n						
Driver af compressor:			Ele	ctric motor							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	14	kW		Seasonal space cooling energy efficiency	η _{s,c}	192	%			
Declared capacity for cooling for p temperature Tj	art load at	given out	tdoor		Declared energy efficiency ratio fo given outdoor temperature Tj	r cooling f	or part loa	ad at			
Tj = + 35°C	P _{dc}	14.3	kW		Tj = +35°C	EER _d	2.51	-			
Tj = + 30°C	P _{dc}	10.6	kW		Tj = + 30°C	EER _d	3.70	-			
Tj = + 25°C	P _{dc}	6.8	kW		Tj = + 25°C	EER _d	5.87	-			
Tj = + 20°C	P _{dc}	3.5	kW		Tj = + 20°C	EER _d	7.23	-			
Degradation co-efficient of chiller (*)	C_{dc}	0.9	-								
	Power	consump	otion in modes	oth	er than "active mode"						
Off mode	P _{OFF}	0.020	kW		Crankcase heater mode	P _{CK}	0.000	kW			
Thermostat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.020	kW			
			Other it	ems							
Capacity control		variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6000	m³/h			
Sound power level, indoors/ outdoors	LWA	-/68	dB								
Emissions of nitrogen oxide (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	N/A	m ³ /h			
GWP of the refrigerant	-	675	kg CO _{2 eq} (100 years)		odidooi side fieat exchanger						
Standard rating conditions used	Low temp	erature a	application		1						
Contact details	See the b	ack cove	r of the manu	al							
(*)If C_{dc} is not determined by meas (**)From 26 September 2018.	surement th	nen the d	efault degrada	ition	coefficient of chillers shall be 0.9.						

Inform	ation	requ	iiremen	ts	for comfort chiller	'S				
Model(s):			MPH-16331							
Outdoor side heat exchanger of ch	niller:		Air to water							
indoor side heat exchanger chiller	:		Wa	ter						
Туре:			con	npressor driven vapour compressio	n					
Driver af compressor:			Ele	ctric motor						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heat output (*)	P _{rated,c}	15	kW		Seasonal space cooling energy efficiency	η _{s,c}	280	%		
Declared capacity for cooling for p temperature Tj	art load at	given out	tdoor		Declared energy efficiency ratio fo given outdoor temperature Tj	r cooling f	or part loa	ad at		
Tj = + 35°C	P _{dc}	15.4	kW		Tj = +35°C	EER _d	3.50	-		
Tj = + 30°C	P _{dc}	11.6	kW		Tj = + 30°C	EER _d	5.45	-		
Tj = + 25°C	P _{dc}	7.3	kW		Tj = + 25°C	EER _d	8.35	-		
Tj = + 20°C	P _{dc}	4.6	kW		Tj = + 20°C	EER _d	11.68	-		
Degradation co-efficient of chiller (*)	C _{dc}	0.9	-							
	Power	consump	otion in modes	oth	er than "active mode"					
Off mode	P _{OFF}	0.020	kW		Crankcase heater mode	P _{CK}	0.000	kW		
Thermostat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.020	kW		
			Other it	ems						
Capacity control		variabl	e		For air-to-water comfort chillers: air flow rate, outdoor measured	-	6000	m³/h		
Sound power level, indoors/ outdoors	LWA	-/68	dB							
Emissions of nitrogen oxide (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	N/A	m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100 years)		odidooi side fieat exchanger					
Standard rating conditions used	Medium t	emperatu	re application		1			<u> </u>		
Contact details	See the b	ack cove	r of the manu	al						
(*)If C_{dc} is not determined by meas (**)From 26 September 2018.	surement th	nen the d	efault degrada	ation	coefficient of chillers shall be 0.9.					

