

Symbol

Value

Unit

Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

Item

Modell	SPH-W0360-T1R00-011H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

average climate

re declared for applications with.

Item	Symbol	Value	Unit
Rated heat output	Prated	293,37	kW
Declared capacity for heating for part load at indoor temperature 20 °	°C and outdo	oor temperature	Tj
Tj = -7°C	P _{dh}	259	kW
Tj = +2°C	P _{dh}	157	kW
Tj = +7°C	P _{dh}	112	kW
Tj = +12°C	P _{dh}	91	kW
Tj = -10°C (bivalent temperature)	P _{dh}	293	kW
Tj = -10°C (operation limit temperature)	P _{dh}	293	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	3,48	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	94	dB(A)
Annual energy consumption	QHe	121.875	kWh
Rated brine or water flow rate, evaporator		64,3	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

Seasonal space heating energy efficiency	η _s	190,89	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	4,37	-
Tj = +2°C	COPd	5,04	-
Tj = +7°C	COPd	5,29	-
Tj = +12°C	COPd	5,96	-
Tj = -10°C (bivalent temperature)	COPd	4,10	-
Tj = -10°C (operation limit temperature)	COPd	4,10	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W

Type of energy input

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W0720-T2R00-033H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with: medium-temperature (55°C) average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	607,40	kW
Declared capacity for heating for part load at indoor temperature 20 °	C and outd	oor temperatu	re Tj
Tj = -7°C	P _{dh}	537	kW
Tj = +2°C	P _{dh}	326	kW
Tj = +7°C	P _{dh}	210	kW
Tj = +12°C	P _{dh}	94	kW
Tj = -10°C (bivalent temperature)	P _{dh}	607	kW
Tj = -10°C (operation limit temperature)	P _{dh}	607	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	6,44	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	97	dB(A)
Annual energy consumption	QHe	245.258	kWh
Rated brine or water flow rate, evaporator		132,9	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	196,63	%
Declared coefficient of performance or primary energy ratio for part load at indoor temper	erature 20 °C and outdoo	r temperature	e Tj
Tj = -7°C	COPd	4,37	-
$Tj = +2^{\circ}C$	COPd	5,17	-
$Tj = +7^{\circ}C$	COP _d	5,67	-
Tj = +12°C	COPd	5,16	-
Tj = -10°C (bivalent temperature)	COPd	4,10	-
Tj = -10°C (operation limit temperature)	COP _d	4,10	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W1080-T3R00-044H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with: medium-temperature (55°C) average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	825,47	kW
Declared capacity for heating for part load at indoor temperature 20 °	C and outd	oor temperatu	re Tj
Tj = -7°C	P _{dh}	729	kW
Tj = +2°C	P _{dh}	444	kW
Tj = +7°C	P _{dh}	284	kW
Tj = +12°C	P _{dh}	125	kW
Tj = -10°C (bivalent temperature)	P _{dh}	825	kW
Tj = -10°C (operation limit temperature)	P _{dh}	825	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	8,35	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	99	dB(A)
Annual energy consumption	QHe	326.377	kWh
Rated brine or water flow rate, evaporator		181,5	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	200,97	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	20 °C and outdoo	or temperature	тj
Tj = -7°C	COPd	4,40	-
$Tj = +2^{\circ}C$	COPd	5,27	-
$Tj = +7^{\circ}C$	COP _d	5,76	-
Tj = +12°C	COPd	5,52	-
Tj = -10°C (bivalent temperature)	COPd	4,15	-
Tj = -10°C (operation limit temperature)	COPd	4,15	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Symbol

Value

Unit

Information requirements for heat pump space heaters and heat pump combination heaters according DIN EN 14825:2018

ltem

Modell	SPH-W1440-T4R00-066H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

are declared for applications man	modium temperature (ee
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	1462,46	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P _{dh}	1292	kW
Tj = +2°C	P _{dh}	787	kW
Tj = +7°C	P _{dh}	506	kW
Tj = +12°C	P _{dh}	221	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1462	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1462	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	12,40	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	ıble
Sound power level	L _{WA}	100	dB(A)
Annual energy consumption	QHe	565.944	kWh
Rated brine or water flow rate, evaporator		314,5	m³/h
Contact details			
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Seasonal space heating energy efficiency	η _s	205,51	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	4,24	-
Tj = +2°C	COPd	5,42	-
$Tj = +7^{\circ}C$	COP _d	6,06	-
Tj = +12°C	COPd	5,64	-
Tj = -10°C (bivalent temperature)	COPd	3,90	-
Tj = -10°C (operation limit temperature)	COPd	3,90	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W1440-T4R00-066L (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

medium-temperature (55°C)
average climate

Item	Symbol	Value	Unit	
Rated heat output	Prated	1462,94	kW	
Declared capacity for heating for part load at indoor temperature 20 °	C and outo	loor temperatur	e Tj	
Tj = -7°C	P _{dh}	1293	kW	
Tj = +2°C	P _{dh}	788	kW	
Tj = +7°C	P _{dh}	507	kW	
Tj = +12°C	P _{dh}	222	kW	
Tj = -10°C (bivalent temperature)	P _{dh}	1463	kW	
Tj = -10°C (operation limit temperature)	P _{dh}	1463	kW	
Bivalent temperature	T _{biv}	-10	°C	
Degradation coefficient*	C _{dh}	0,90	-	
Power consumption in modes other than active mode				
Off mode	Poff	-	kW	
Thermostat-off mode	P _{TO}	18,23	kW	
Standby mode	P _{SB}	0,24	kW	
Crankcase heater mode	P _{CK}	-	kW	
Sonstige Elemente				
Capacity control		variable		
Sound power level	L _{WA}	100	dB(A)	
Annual energy consumption	QHe	596.669	kWh	
Rated brine or water flow rate, evaporator		314,5	m³/h	
Contact details				
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau				

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	194,58	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	0 °C and outdoo	or temperature	тj
Tj = -7°C	COPd	4,16	-
$T_j = +2^{\circ}C$	COPd	5,21	-
$T_j = +7^{\circ}C$	COPd	5,67	-
Tj = +12°C	COPd	4,92	-
Tj = -10°C (bivalent temperature)	COPd	3,84	-
Tj = -10°C (operation limit temperature)	COPd	3,84	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W1800-T5R00-066H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

cations with:	medium-temperature (55°C)
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	1431,44	kW
Declared capacity for heating for part load at indoor temperature 20	°C and outo	loor temperatur	e Tj
Tj = -7°C	P_{dh}	1265	kW
Tj = +2°C	P _{dh}	771	kW
Tj = +7°C	P _{dh}	498	kW
Tj = +12°C	P _{dh}	221	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1431	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1431	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	12,31	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	ble
Sound power level	L _{WA}	101	dB(A)
Annual energy consumption	QHe	550.428	kWh
Rated brine or water flow rate, evaporator		314,5	m³/h
Contact details			
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	206,87	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 2	0 °C and outdoo	or temperature	тј
Tj = -7°C	COPd	4,44	-
Tj = +2°C	COPd	5,40	-
$Tj = +7^{\circ}C$	COPd	6,04	-
Tj = +12°C	COPd	5,65	-
Tj = -10°C (bivalent temperature)	COPd	4,17	-
Tj = -10°C (operation limit temperature)	COPd	4,17	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W1800-T5R00-066L (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

piloalions with.	medium-temperature (3-
	average climate

ltem	Symbol	Value	Unit
Rated heat output	Prated	1431,93	kW
Declared capacity for heating for part load at indoor temperature 20	°C and outo	loor temperatu	re Tj
Tj = -7°C	P _{dh}	1266	kW
Tj = +2°C	P _{dh}	772	kW
Tj = +7°C	P _{dh}	499	kW
Tj = +12°C	P _{dh}	222	kW
Tj = -10°C (bivalent temperature)	P_{dh}	1432	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1432	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	17,92	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	101	dB(A)
Annual energy consumption	QHe	579.731	kWh
Rated brine or water flow rate, evaporator		314,5	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	196,08	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	4,36	-
Tj = +2°C	COPd	5,20	-
Tj = +7°C	COP _d	5,65	-
Tj = +12°C	COPd	4,96	-
Tj = -10°C (bivalent temperature)	COPd	4,10	-
Tj = -10°C (operation limit temperature)	COP _d	4,10	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W2160-T6R00-076H (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

medium-temperature (55°C)
average climate

ltem	Symbol	Value	Unit	
Rated heat output	Prated	1680,54	kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7°C	P _{dh}	1487	kW	
Tj = +2°C	P _{dh}	906	kW	
Tj = +7°C	P _{dh}	583	kW	
Tj = +12°C	P _{dh}	259	kW	
Tj = -10°C (bivalent temperature)	P _{dh}	1681	kW	
Tj = -10°C (operation limit temperature)	P _{dh}	1681	kW	
Bivalent temperature	T _{biv}	-10	°C	
Degradation coefficient*	C _{dh}	0,90	-	
Power consumption in modes other than active mode				
Off mode	Poff	-	kW	
Thermostat-off mode	P _{TO}	14,50	kW	
Standby mode	P _{SB}	0,24	kW	
Crankcase heater mode	P _{CK}	-	kW	
Sonstige Elemente				
Capacity control		variable		
Sound power level	L _{WA}	102	dB(A)	
Annual energy consumption	QHe	648.883	kWh	
Rated brine or water flow rate, evaporator		369,3	m³/h	
Contact details				
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau				

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	205,99	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	4,43	-
$T_j = +2^{\circ}C$	COPd	5,36	-
$T_j = +7^{\circ}C$	COPd	5,95	-
Tj = +12°C	COPd	5,84	-
Tj = -10°C (bivalent temperature)	COPd	4,18	-
Tj = -10°C (operation limit temperature)	COPd	4,18	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation



Modell	SPH-W2160-T6R00-076L (R-515B)
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	No
Equipped with a supplementary heater:	No
Heat pump combination heater:	No
Parameters are declared for applications with:	medium-temperature (55°C)

plications with:	medium-temperature (55°C)
	average climate

Item	Symbol	Value	Unit
Rated heat output	Prated	1486,94	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P _{dh}	1307	kW
Tj = +2°C	P _{dh}	803	kW
Tj = +7°C	P _{dh}	520	kW
Tj = +12°C	P _{dh}	222	kW
Tj = -10°C (bivalent temperature)	P _{dh}	1487	kW
Tj = -10°C (operation limit temperature)	P _{dh}	1487	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	Poff	-	kW
Thermostat-off mode	P _{TO}	17,21	kW
Standby mode	P _{SB}	0,24	kW
Crankcase heater mode	P _{CK}	-	kW
Sonstige Elemente			
Capacity control		varia	able
Sound power level	L _{WA}	102	dB(A)
Annual energy consumption	QHe	596.604	kWh
Rated brine or water flow rate, evaporator		327,3	m³/h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirner-Strasse 1&3 88131 Lindau			

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	197,93	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	4,37	-
Tj = +2°C	COPd	5,25	-
$Tj = +7^{\circ}C$	COP _d	5,70	-
Tj = +12°C	COPd	5,04	-
Tj = -10°C (bivalent temperature)	COPd	4,16	-
Tj = -10°C (operation limit temperature)	COP _d	4,16	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

The harmonized standards EN14511 and EN14825 have been used for testing and calculation