

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

Modell	HHR90
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	P_{rated}	57,14	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	60	kW
T _j = +2°C	P _{dh}	69	kW
T _j = +7°C	P _{dh}	71	kW
T _j = +12°C	P _{dh}	77	kW
T _j = -10°C (bivalent temperature)	P _{dh}	57	kW
T _j = -10°C (operation limit temperature)	P _{dh}	57	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,97	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	76	dB(A)
Annual energy consumption	Q _{He}	32.917	kWh
Rated brine or water flow rate, evaporator		10	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	135,44	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,69	-
T _j = +2°C	COP _d	3,99	-
T _j = +7°C	COP _d	4,62	-
T _j = +12°C	COP _d	4,86	-
T _j = -10°C (bivalent temperature)	COP _d	2,54	-
T _j = -10°C (operation limit temperature)	COP _d	2,54	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR130
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	P_{rated}	79,16	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	83	kW
T _j = +2°C	P _{dh}	92	kW
T _j = +7°C	P _{dh}	98	kW
T _j = +12°C	P _{dh}	107	kW
T _j = -10°C (bivalent temperature)	P _{dh}	79	kW
T _j = -10°C (operation limit temperature)	P _{dh}	79	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,98	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	78	dB(A)
Annual energy consumption	Q _{He}	47.980	kWh
Rated brine or water flow rate, evaporator		14	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	128,31	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,78	-
T _j = +2°C	COP _d	3,56	-
T _j = +7°C	COP _d	4,25	-
T _j = +12°C	COP _d	4,63	-
T _j = -10°C (bivalent temperature)	COP _d	2,56	-
T _j = -10°C (operation limit temperature)	COP _d	2,56	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR180
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	P_{rated}	117,27	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	123	kW
T _j = +2°C	P _{dh}	137	kW
T _j = +7°C	P _{dh}	145	kW
T _j = +12°C	P _{dh}	159	kW
T _j = -10°C (bivalent temperature)	P _{dh}	117	kW
T _j = -10°C (operation limit temperature)	P _{dh}	117	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,98	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	81	dB(A)
Annual energy consumption	Q _{He}	70.576	kWh
Rated brine or water flow rate, evaporator		20,9	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	129,29	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,73	-
T _j = +2°C	COP _d	3,53	-
T _j = +7°C	COP _d	4,19	-
T _j = +12°C	COP _d	4,58	-
T _j = -10°C (bivalent temperature)	COP _d	2,51	-
T _j = -10°C (operation limit temperature)	COP _d	2,51	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR260
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	P_{rated}	188,34	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	100	kW
T _j = +2°C	P _{dh}	112	kW
T _j = +7°C	P _{dh}	118	kW
T _j = +12°C	P _{dh}	130	kW
T _j = -10°C (bivalent temperature)	P _{dh}	188	kW
T _j = -10°C (operation limit temperature)	P _{dh}	188	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,98	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	83	dB(A)
Annual energy consumption	Q _{He}	104.115	kWh
Rated brine or water flow rate, evaporator		33,4	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	141,46	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,81	-
T _j = +2°C	COP _d	3,71	-
T _j = +7°C	COP _d	4,51	-
T _j = +12°C	COP _d	5,05	-
T _j = -10°C (bivalent temperature)	COP _d	2,49	-
T _j = -10°C (operation limit temperature)	COP _d	2,49	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR360
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	P_{rated}	234,40	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	245	kW
T _j = +2°C	P _{dh}	138	kW
T _j = +7°C	P _{dh}	147	kW
T _j = +12°C	P _{dh}	161	kW
T _j = -10°C (bivalent temperature)	P _{dh}	234	kW
T _j = -10°C (operation limit temperature)	P _{dh}	234	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,99	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	87	dB(A)
Annual energy consumption	Q _{He}	130,261	kWh
Rated brine or water flow rate, evaporator		41,7	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	140,68	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,71	-
T _j = +2°C	COP _d	3,69	-
T _j = +7°C	COP _d	4,52	-
T _j = +12°C	COP _d	5,03	-
T _j = -10°C (bivalent temperature)	COP _d	2,51	-
T _j = -10°C (operation limit temperature)	COP _d	2,51	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR520
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	P_{rated}	350,72	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	245	kW
T _j = +2°C	P _{dh}	138	kW
T _j = +7°C	P _{dh}	147	kW
T _j = +12°C	P _{dh}	161	kW
T _j = -10°C (bivalent temperature)	P _{dh}	351	kW
T _j = -10°C (operation limit temperature)	P _{dh}	351	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	0,99	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	89	dB(A)
Annual energy consumption	Q _{He}	194.403	kWh
Rated brine or water flow rate, evaporator		46,5	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	141,06	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,71	-
T _j = +2°C	COP _d	3,67	-
T _j = +7°C	COP _d	4,49	-
T _j = +12°C	COP _d	5,01	-
T _j = -10°C (bivalent temperature)	COP _d	2,49	-
T _j = -10°C (operation limit temperature)	COP _d	2,49	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR720
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	P_{rated}	468,57	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	492	kW
T _j = +2°C	P _{dh}	276	kW
T _j = +7°C	P _{dh}	294	kW
T _j = +12°C	P _{dh}	321	kW
T _j = -10°C (bivalent temperature)	P _{dh}	469	kW
T _j = -10°C (operation limit temperature)	P _{dh}	469	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	1,00	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	90	dB(A)
Annual energy consumption	Q _{He}	256.858	kWh
Rated brine or water flow rate, evaporator		83,2	m ³ /h
Contact details			
ENGIE Refrigeration GmbH Josephine-Hirmer-Strasse 1&3 88131 Lindau			

* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	142,73	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,75	-
T _j = +2°C	COP _d	3,71	-
T _j = +7°C	COP _d	4,55	-
T _j = +12°C	COP _d	5,07	-
T _j = -10°C (bivalent temperature)	COP _d	2,53	-
T _j = -10°C (operation limit temperature)	COP _d	2,53	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	

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

Modell	HHR1000
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	P_{rated}	699,90	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	491	kW
T _j = +2°C	P _{dh}	412	kW
T _j = +7°C	P _{dh}	294	kW
T _j = +12°C	P _{dh}	322	kW
T _j = -10°C (bivalent temperature)	P _{dh}	700	kW
T _j = -10°C (operation limit temperature)	P _{dh}	700	kW
Bivalent temperature	T _{biv}	-10	°C
Degradation coefficient*	C _{dh}	1,00	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,70	kW
Thermostat-off mode	P _{TO}	0,70	kW
Standby mode	P _{SB}	0,70	kW
Crankcase heater mode	P _{CK}	0,70	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L _{WA}	92	dB(A)
Annual energy consumption	Q _{He}	387.709	kWh
Rated brine or water flow rate, evaporator		93,1	m ³ /h
Contact details			
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* If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	141,16	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T _j = -7°C	COP _d	2,73	-
T _j = +2°C	COP _d	3,61	-
T _j = +7°C	COP _d	4,54	-
T _j = +12°C	COP _d	5,07	-
T _j = -10°C (bivalent temperature)	COP _d	2,50	-
T _j = -10°C (operation limit temperature)	COP _d	2,50	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	P _{sup}	0	W
Type of energy input		-	