



ENERG

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de_dietrich... HPI-S 4.5 MR/EM



55°C

35°C



43 dB



58 dB



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 4.5 MR/EM</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A+++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>3</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>121</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>1,975</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>43</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>5</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>4</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>109</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>179</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>4,483</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>1,249</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>58</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 4.5 MR/EM
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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	3	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	2.5	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	2.6	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	3.2	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	2.5	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	3	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	3	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.016	kW
Thermostat-off mode	P_{TO}	0.017	kW
Standby mode	P_{SB}	0.016	kW
Crankcase heater mode	P_{CK}	0	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	43/ 58	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	121	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.7	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.23	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.21	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.04	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.37	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.37	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	55	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors	-	2,680	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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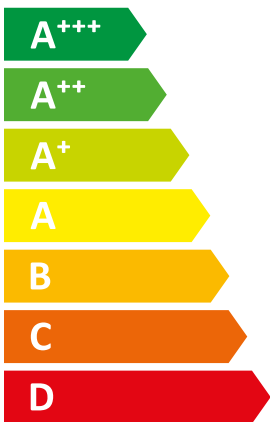


de_dietrich... HPI-S 6 MR/EM



55°C

35°C



48 dB



63 dB



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 6 MR/EM</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>4</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>116</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>2,708</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>48</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>4</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>5</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>116</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>172</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>3,721</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>1,492</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>63</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 6 MR/EM
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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	4	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	3.4	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	2.2	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	2.1	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	2.6	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	3.9	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	3.9	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.014	kW
Thermostat-off mode	P_{TO}	0.014	kW
Standby mode	P_{SB}	0.014	kW
Crankcase heater mode	P_{CK}	0	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	48/ 63	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	116	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.68	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	2.97	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.22	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	5.99	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.43	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.43	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	2,700	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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Y

IJA

IE

IA

de_dietrich... HPI-S 8 MR/EM



55°C

35°C

A+++

A++

A+

A

B

C

D



51 dB



65 dB

■ 6
■ 6
■ 6
kW

■ 5
■ 5
■ 6
kW



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 8 MR/EM</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A++</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A+++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>6</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>129</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>3,499</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>51</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>6</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>6</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>119</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>169</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>4,621</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>1,904</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>65</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 8 MR/EM
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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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	5.6	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	2.9	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	6.4	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	4.3	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	5.6	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	5.6	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.009	kW
Thermostat-off mode	P_{TO}	0.049	kW
Standby mode	P_{SB}	0.009	kW
Crankcase heater mode	P_{CK}	0.055	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	51/ 65	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	129	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.95	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.22	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.57	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.55	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.7	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.7	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	3,300	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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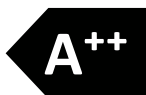
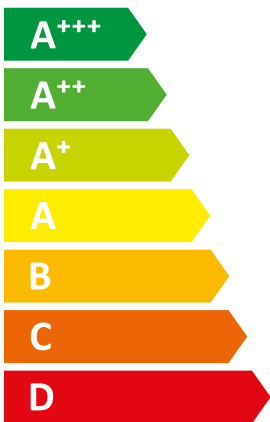


de_dietrich... HPI-S 11 MR/EM



55°C

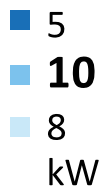
35°C



51 dB



65 dB



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 11 MR/EM</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A++</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>6</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>125</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>3,999</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>51</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>4</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>8</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>113</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>167</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>3,804</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>2,580</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>65</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 11 MR/EM
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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	6.8	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	8.2	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	9	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	10.1	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	6.3	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	6.3	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.009	kW
Thermostat-off mode	P_{TO}	0.049	kW
Standby mode	P_{SB}	0.009	kW
Crankcase heater mode	P_{CK}	0.055	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	51/ 65	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	125	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.82	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.43	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.54	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.24	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.2	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.2	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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de_dietrich... HPI-S 11 TR/ET



55°C

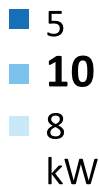
35°C



51 dB



65 dB



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 11 TR/ET</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A++</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>6</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>125</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>3,999</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>51</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>4</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>8</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>113</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>167</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>3,804</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>2,580</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>65</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 11 TR/ET
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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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	6	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	6.8	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	8.2	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	9	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	10.1	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	6.3	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	6.3	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.009	kW
Thermostat-off mode	P_{TO}	0.049	kW
Standby mode	P_{SB}	0.009	kW
Crankcase heater mode	P_{CK}	0.055	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	51/ 65	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	125	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.82	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.43	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.54	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.24	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.2	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.2	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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Y

IJA

IE

IA

de_dietrich... HPI-S 16 MR/EM



55°C

35°C

A+++

A++

A+

A

B

C

D

A+

A++



51 dB



69 dB

■ 7
■ 9
■ 13
kW

■ 8
■ 12
■ 11
kW



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 16 MR/EM</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>9</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>121</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>5,931</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>51</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>7</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>13</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>113</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>161</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>5,684</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>4,120</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>69</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 16 MR/EM
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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	9	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	7.6	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	6.5	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	6.1	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	5.8	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	8.8	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	8.8	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.023	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	51/ 69	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	121	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.63	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.02	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.37	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.31	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.38	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.38	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated output *Prated* is equal to the design load for heating $P_{designh}$, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating $sup(T_j)$.

(**) If *Cdh* is not determined by measurement then the default degradation coefficient is $Cdh = 0,9$. All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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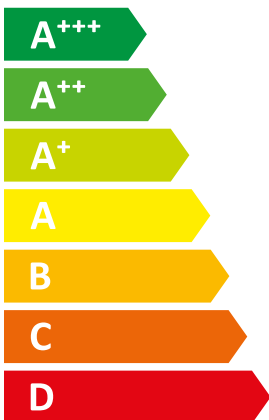


de_dietrich... HPI-S 16 TR/ET



55°C

35°C



A+

A++



51 dB



69 dB

■ 7
■ 9
■ 13
kW

■ 8
■ 12
■ 11
kW



Product Information

 as required by EU regulations No 811/2013 and No 813/2013

Product Fiche

 (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 16 TR/ET</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>9</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>121</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>5,931</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>51</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>7</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>13</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>113</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>161</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>5,684</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>4,120</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>69</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 16 TR/ET
-------	----------------

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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	9	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	7.6	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	6.5	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	6.1	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	5.8	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	8.8	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	8.8	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.023	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	51/ 69	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	121	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.63	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.02	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.37	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	6.31	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.38	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.38	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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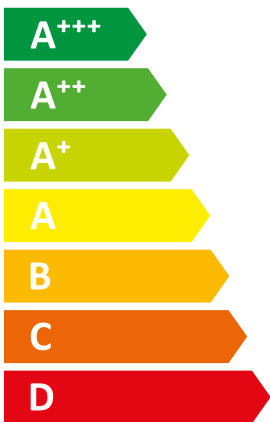
IA

de_dietrich... HPI-S 22 TR/ET



55°C

35°C



A+

A++



52 dB



70 dB

■ 12
■ 11
■ 18
kW

■ 14
■ 13
■ 20
kW



Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 22 TR/ET</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A++</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>11</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>114</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>7,681</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>52</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>12</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>18</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>111</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>143</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>10,578</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>10,025</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>70</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 22 TR/ET
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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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	10.3	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	10	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	5.8	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	6.9	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	10.9	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	10.9	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.01	kW
Thermostat-off mode	P_{TO}	0.049	kW
Standby mode	P_{SB}	0.01	kW
Crankcase heater mode	P_{CK}	0.055	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	52/ 70	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	114	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.95	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	2.8	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	3.76	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	4.85	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.64	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.64	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	<i>WTOL</i>	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.



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IJA

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de_dietrich...

HPI-S 27 TR/ET



55°C

35°C

A+++

A++

A+

A

B

C

D

A+

A+



52 dB



75 dB

■ 14
■ **16**
■ 20
kW

■ 16
■ **16**
■ 21
kW



Product Information

 as required by EU regulations No 811/2013 and No 813/2013

Product Fiche

 (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>De Dietrich</i>				
(b) Supplier's model identifier	<i>HPI-S 27 TR/ET</i>				
(c) Seasonal space heating energy efficiency class (average climate), (*)	<i>A+</i>	Seasonal space heating energy efficiency class (average climate), (**)			<i>A+</i>
(d) Rated heat output, including the rated heat output of any supplementary heater (average climate)	<i>16</i>	<i>kW</i>			
(e) Seasonal space heating energy efficiency (average climate)	<i>118</i>	<i>%</i>			
(f) Annual energy consumption (average climate)	<i>11,037</i>	<i>kWh</i>	and/ or	<i>0</i>	<i>GJ</i>
(g) Sound power level, indoors	<i>52</i>	<i>dB(A)</i>			
(h) Specific precautions for assembly, installation and maintenance	Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed				
(i) <i>Not applicable</i>					
(j) Rated heat output, including the rated heat output of any supplementary heater (colder climate)	<i>14</i>	<i>kW</i>			
Rated heat output, including the rated heat output of any supplementary heater (warmer climate)	<i>20</i>	<i>kW</i>			
(k) Seasonal space heating energy efficiency (colder climate)	<i>103</i>	<i>%</i>			
Seasonal space heating energy efficiency (warmer climate)	<i>141</i>	<i>%</i>			
(l) Annual energy consumption (colder climate)	<i>13,164</i>	<i>kWh</i>	and/ or		<i>GJ</i>
Annual energy consumption (warmer climate)	<i>11,541</i>	<i>kWh</i>	and/ or		<i>GJ</i>
(m) Sound power level, outdoors	<i>75</i>	<i>dB(A)</i>			

(*) at medium temperature application

(**) at low temperature application

Product Information Requirements (according to EU regulation No 813/2013)

Model	HPI-S 27 TR/ET
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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

Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	16	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	14.4	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	10.3	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	12.5	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	18.5	kW
$T_j = \text{bivalent temperature}$	<i>Pdh</i>	14.4	kW
$T_j = \text{operation limit temperature}$	<i>Pdh</i>	7.7	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if TOL < -20 °C)	<i>Pdh</i>	0	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	0	kW
Degradation coefficient (**)	<i>Cdh</i>	1	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	52/ 75	dB
Emission of nitrogen oxides	NO_x	0	mg/ kWh
Capacity control	De Dietrich, F- 67580 Mertzwiller		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	118	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	1.83	%
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.01	%
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.12	%
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	5.16	%
$T_j = \text{bivalent temperature}$	<i>COPd or PERd</i>	1.83	%
$T_j = \text{operation limit temperature}$	<i>COPd or PERd</i>	1.09	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if TOL < -20 °C)	<i>COPd or PERd</i>		%
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>	0	%
Heating water operating limit temperature	WTOL	60	°C
Supplementary heater			
Rated heat output (*)	P_{sup}	0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	-	6,000	m ³ /h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	-	0	m ³ /h

Specific precautions that shall be taken when the space heater is assembled, installed or maintained & information relevant for disassembly, recycling and/or disposal at end-of-life

Before any assembly, installation or maintenance the user and installation manual has to be read attentively and to be followed. Before disassembly, recycling and/or disposal at end-of-life the user and installation manual has to be read attentively and to be followed.

(*) For heat pump space heaters and heat pump combination heaters, the rated 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.
All parameters are declared for medium-temperature application, except for low-temperature heat pump. For a low-temperature heat pump, parameters are declared for low temperature application. All parameters are declared for average climate conditions.