



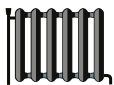
ENERG

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OCHSNER

AQUA 36 HPLA



55 °C

35 °C

A+++

A+++

A+++

A++

A+

A

B

C

D



54 dB



■ 30 kW

■ 35 kW

■ 30 kW

■ 35 kW

■ 30 kW

■ 35 kW



2019

811/2013

Heatpump datasheet:

Manufacturer:	OCHSNER
Model:	AQUA 36 HPLA

Information concerning energy efficiency class and rated heat output:

	average/low	average/medium
Energy efficiency class space heater:	A+++	A+++
Rated heat output:	35 kW	30 kW
Energy efficiency space heater:	232.0 %	159.0 %
Annual final energy consumption space heater:	11790 kWh	14726 kWh
Sound power level indoors	54 dB(A)	

Special precautions concerning assembly, installation or maintenance:

The system was sized, connected, laid out and filled in accordance with applicable standards, regulations and ordinances by a qualified contractor. If the system consists of several sections, these must be connected and installed using original OCHSNER accessories as supplied by OCHSNER. System sections must be connected via the shortest route possible and must not exceed a connection distance of 5 m. In accordance with the operating and installation manual, the system is used as intended for a private building heating system. Commissioning must only be carried out by OCHSNER Customer Service. Maintenance and inspection according to the manufacturer's instructions must be carried out at least every 12 months unless legal requirements and ordinances specify a shorter interval.

Additional information:	low	medium
Rated heat output colder climate:	35 kW	30 kW
Rated heat output warmer climate:	35 kW	30 kW
Energy efficiency space heater colder climate:	239.0 %	163.0 %
Energy efficiency space heater warmer climate:	234.0 %	159.0 %
Annual energy consumption space heater colder climate:	13676 kWh	17140 kWh
Annual energy consumption space heater warmer climate:	7571 kWh	9495 kWh

Technical data of the temperature controller:

Manufacturer:	OCHSNER	
Model:	OTE controller	
Controller class with room remote control:	VII	-
Contribution of the controller to the energy efficiency space heater with room remote control:	3.5	%
Controller class without room remote control:	III	-
Contribution of the controller to the energy efficiency space heater without room remote control:	1.5	%

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	low
Climate conditions:	colder

Item	Symbol	Value
Rated heat output (*)	Prated	35 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	35.4 kW
$T_j = +2\text{ °C}$	Pdh	35.7 kW
$T_j = +7\text{ °C}$	Pdh	36.0 kW
$T_j = +12\text{ °C}$	Pdh	36.1 kW
$T_j =$ bivalent temperature	Pdh	34.7 kW
$T_j =$ operation limit temperature	Pdh	34.7 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	35.1 kW
Bivalent temperature	T_{biv}	-22 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Other items		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	13676 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	239.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	6.08
$T_j = +2\text{ °C}$	COPd	6.41
$T_j = +7\text{ °C}$	COPd	6.67
$T_j = +12\text{ °C}$	COPd	6.73
$T_j =$ bivalent temperature	COPd	5.60
$T_j =$ operation limit temperature	COPd	5.60
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	5.92
For air-to-water heat pumps: Operation limit temperature	TOL	-22 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate, outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

Contact details OCHSNER Wärmepumpen GmbH, Ochsner-Straße 1, A-3350 Haag

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	medium
Climate conditions:	colder

Item	Symbol	Value
Rated heat output (*)	Prated	30 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	31.9 kW
$T_j = +2\text{ °C}$	Pdh	33.0 kW
$T_j = +7\text{ °C}$	Pdh	33.8 kW
$T_j = +12\text{ °C}$	Pdh	34.4 kW
$T_j =$ bivalent temperature	Pdh	30.3 kW
$T_j =$ operation limit temperature	Pdh	30.3 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	31.2 kW
Bivalent temperature	T_{biv}	-22 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Other items		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	17140 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	163.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	4.05
$T_j = +2\text{ °C}$	COPd	4.56
$T_j = +7\text{ °C}$	COPd	5.02
$T_j = +12\text{ °C}$	COPd	5.41
$T_j =$ bivalent temperature	COPd	3.42
$T_j =$ operation limit temperature	COPd	3.42
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	3.77
For air-to-water heat pumps: Operation limit temperature	TOL	-22 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate, outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	low
Climate conditions:	average

Item	Symbol	Value
Rated heat output (*)	Prated	35 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	34.8 kW
$T_j = +2\text{ °C}$	Pdh	35.3 kW
$T_j = +7\text{ °C}$	Pdh	35.7 kW
$T_j = +12\text{ °C}$	Pdh	36.2 kW
$T_j =$ bivalent temperature	Pdh	34.7 kW
$T_j =$ operation limit temperature	Pdh	34.7 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	34.7 kW
Bivalent temperature	T_{biv}	-10 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Other items		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	11790 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	232.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	5.66
$T_j = +2\text{ °C}$	COPd	6.03
$T_j = +7\text{ °C}$	COPd	6.39
$T_j = +12\text{ °C}$	COPd	6.78
$T_j =$ bivalent temperature	COPd	5.60
$T_j =$ operation limit temperature	COPd	5.60
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	5.60
For air-to-water heat pumps: Operation limit temperature	TOL	-10 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate, outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	medium
Climate conditions:	average

Item	Symbol	Value
Rated heat output (*)	Prated	30 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	30.7 kW
$T_j = +2\text{ °C}$	Pdh	32.2 kW
$T_j = +7\text{ °C}$	Pdh	33.1 kW
$T_j = +12\text{ °C}$	Pdh	34.1 kW
$T_j =$ bivalent temperature	Pdh	30.3 kW
$T_j =$ operation limit temperature	Pdh	30.3 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	30.3 kW
Bivalent temperature	T_{biv}	-10 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Sonstige Elemente		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	14726 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	159.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	3.57
$T_j = +2\text{ °C}$	COPd	4.19
$T_j = +7\text{ °C}$	COPd	4.65
$T_j = +12\text{ °C}$	COPd	5.19
$T_j =$ bivalent temperature	COPd	3.42
$T_j =$ operation limit temperature	COPd	3.42
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	3.42
For air-to-water heat pumps: Operation limit temperature	TOL	-10 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate, outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	low
Climate conditions:	warmer

Item	Symbol	Value
Rated heat output (*)	Prated	35 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	34.7 kW
$T_j = +2\text{ °C}$	Pdh	34.7 kW
$T_j = +7\text{ °C}$	Pdh	35.2 kW
$T_j = +12\text{ °C}$	Pdh	35.9 kW
$T_j =$ bivalent temperature	Pdh	34.7 kW
$T_j =$ operation limit temperature	Pdh	34.7 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	34.7 kW
Bivalent temperature	T_{biv}	2 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Sonstige Elemente		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	7571 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	234.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	5.60
$T_j = +2\text{ °C}$	COPd	5.60
$T_j = +7\text{ °C}$	COPd	5.95
$T_j = +12\text{ °C}$	COPd	6.52
$T_j =$ bivalent temperature	COPd	5.60
$T_j =$ operation limit temperature	COPd	5.60
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	5.60
For air-to-water heat pumps: Operation limit temperature	TOL	2 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate. outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate. outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

Model:	AQUA 36 HPLA
	Water heating heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Temperature application:	medium
Climate conditions:	warmer

Item	Symbol	Value
Rated heat output (*)	Prated	30 kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	Pdh	30.3 kW
$T_j = +2\text{ °C}$	Pdh	30.3 kW
$T_j = +7\text{ °C}$	Pdh	31.5 kW
$T_j = +12\text{ °C}$	Pdh	33.5 kW
$T_j =$ bivalent temperature	Pdh	30.3 kW
$T_j =$ operation limit temperature	Pdh	30.3 kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	30.3 kW
Bivalent temperature	T_{biv}	2 °C
Power input „compressor off“		0 W
Power consumption in modes other than active mode		
Off mode	P_{OFF}	20 W
Thermostat-off mode	P_{TO}	20 W
Standby mode	P_{SB}	20 W
Crankcase heater mode	P_{CK}	0 W
Other items		
Capacity control		fixed
Sound power level	indoors	L_{WA} 54 dB
	outdoors	
Annual energy consumption	Q_{HE}	9495 kWh
For heat pump combination heater:		
Declared load profile		-
Daily electricity consumption	Q_{elec}	-

Item	Symbol	Value
Seasonal space heating energy efficiency	η_s	159.0 %
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j		
$T_j = -7\text{ °C}$	COPd	3.42
$T_j = +2\text{ °C}$	COPd	3.42
$T_j = +7\text{ °C}$	COPd	3.90
$T_j = +12\text{ °C}$	COPd	4.82
$T_j =$ bivalent temperature	COPd	3.42
$T_j =$ operation limit temperature	COPd	3.42
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COPd	3.42
For air-to-water heat pumps: Operation limit temperature	TOL	2 °C
Heating water operating limit temperature	WTOL	68 °C
Supplementary heater		
Rated heat output (*)	P_{sup}	0.00 kW
Type of energy input		electricity
For air-to-water heat pumps: Rated air flow rate, outdoors	-	-
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	5000 l/h
Water heating energy efficiency	η_{wh}	-
Daily fuel consumption	Q_{fuel}	-

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).