

# AUDAX 6-8 – Product fiches

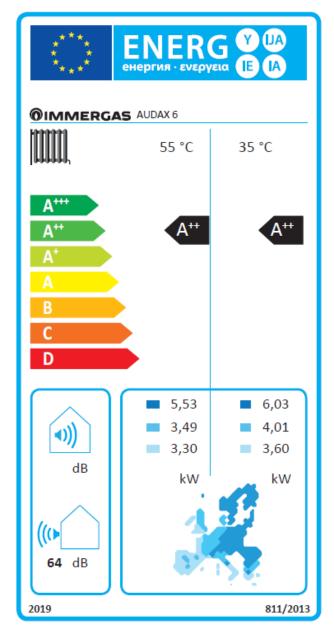
## Summary

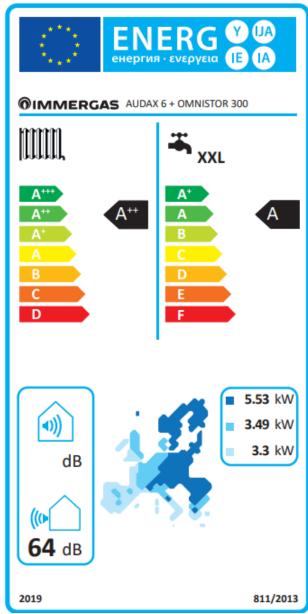
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#### AUDAX 6

Audax 6 - Energetic labels







## Audax 6 - Low temperature table (30/35) average zones

Low temperature table (30/35)	average zones									
Model: Audax 6										
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: no									
Heat pump combination heater:	no									
The parameters are declared for		ic condition	1S							
Element	Symbol	Value	Unit		Element	Symbol	Value	Unit		
Rated heat output	Prated	4	kW		Seasonal space heating energy efficiency	$\eta_S$	186	%		
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj					Declared coefficient of performa load at indoor temperature 20°C	nce or primar and outdoor	ry energy r temperatur	ratio for part re T <sub>j</sub>		
$T_i = -7$ °C	Pdh	3.6	kW		$T_i = -7 ^{\circ}\text{C}$	COPd	3.03	_		
$T_i = +2 ^{\circ}\text{C}$	Pdh	2.2	kW	1	$T_i = +2$ °C	COPd	4.81	_		
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.4	kW	1	$T_i = +7 ^{\circ}\text{C}$	COPd	6.08	_		
$T_i = +12 ^{\circ}\text{C}$	Pdh	1.3	kW	1	$T_i = +12 ^{\circ}\text{C}$	COPd	7.20	_		
$T_j = \pm 12^{\circ}$ C $T_i = \text{bivalent temperature}$	Pdh	3.6	kW	-	$T_j = \pm 12^{\circ}$ C $T_i = \text{bivalent temperature}$	COPd	3.03	_		
$T_j$ = orvalent temperature $T_i$ = operation limit					$T_i$ = temperature operating					
temperature	Pdh	2.9	kW		límit	COPd	2.44	-		
for air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	Pdh	-	kW		For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	COPd	-	-		
Bivalent temperature	$T_{_{biv}}$	-7	°C		For air/water heat pumps: temperature operating limit	TOL	-20	°C		
Cycling interval capacity for heating	Pcych	-	kW		Cycling interval efficiency	COPcyc or PERcyc	-	-		
Degradation co-efficient	Cdh	0.9	_		Heating water operating limit temperature	WTOL	-	°C		
Power consumption in modes other	than active mode				Supplementary heater					
OFF mode	$P_{OFF}$	0.000	kW		Rated heat output	Psup	-	kW		
Thermostat-off mode	$P_{\scriptscriptstyle TO}$	0.038	kW					•		
Standby mode	$P_{_{SB}}$	0.028	kW	1	Type of energy input	Electrical				
Crankcase heater mode	$P_{\scriptscriptstyle CK}$	0.000	kW	1						
Other items	1		1	1		I				
Capacity control	Variable			1	For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h		
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /64	dB		For water-/brine-to-water heat pumps: Rated brine or water flow	_	-	m³/h		
Annual energy consumption	$Q_{\scriptscriptstyle HE}$	1747	kWh or GJ		rate, outdoor heat exchanger					
For heat pump combination heater:	•				•	-		•		
Declared load profile		-			Water heating energy efficiency	$\eta_{_{wh}}$	-	%		
Daily electricity consumption	$Q_{elec}$	-	kWh		Daily fuel consumption	$Q_{ extit{fuel}}$	-	kWh		
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ		
Contact information	IMMERGAS S	p.A via Cisa	a Ligure n.95	5 - 4204	1 Brescello (RE) Italy			-		
	I.									



## Audax 6 - Medium temperature table (47/55) average zones

Medium temperature table (47)	(cc) average z	ones							
Model: Audax 6									
Air-to-water heat pump: yes									
Water-to-water heat pump: no									
Brine-to-water heat pump: no									
Low-temperature heat pump: no	ı								
Equipped with a supplementary	heater: no								
Heat pump combination heater:									
The parameters are declared for		ic condition	1S						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit		
Rated heat output	Prated	3.5	kW	Seasonal space heating energy efficiency	$\eta_S$	130	%		
Declared capacity for heating for 20°C and outdoor temperature 7		door temp	erature	Declared coefficient of performan load at indoor temperature 20°C a	ce or primar	y energy r emperatur	atio for part e T <sub>j</sub>		
$T_i = -7$ °C	Pdh	3.1	kW	$T_i = -7$ °C	COPd	2.15	_		
$T_i = +2 ^{\circ}\text{C}$	Pdh	1.9	kW	$T_i = +2$ °C	COPd	3.30	_		
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.2	kW	$T_i = +7 ^{\circ}\text{C}$	COPd	4.35	_		
$T_i = +12 ^{\circ}\text{C}$	Pdh	1.1	kW	$T_i = +12 ^{\circ}\text{C}$	COPd	4.62	_		
$T_j = \pm 12$ C $T_i = \text{bivalent temperature}$	Pdh	3.1	kW	$T_j = \pm 12^{\circ}$ C $T_i = \text{bivalent temperature}$	COPd	2.15	_		
$T_i$ = operation limit				$T_i$ = temperature operating					
temperature	Pdh	2.6	kW	límit	COPd	2.14	_		
for air-to-water heat pumps: $T_{j} = -15  ^{\circ}\text{C}$ (if TOL < $-20  ^{\circ}\text{C}$ )	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15$ °C (if TOL $< -20$ °C)	COPd	-	-		
Bivalent temperature	$T_{biv}$	-7	°C	For air/water heat pumps: temperature operating limit	TOL	-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc or PERcyc	-	-		
Degradation co-efficient	Cdh	0.9	_	Heating water operating limit temperature	WTOL	-	°C		
Power consumption in modes other				Supplementary heater					
OFF mode	$P_{\scriptscriptstyle OFF}$	0.000	kW	Rated heat output	Psup	-	kW		
Thermostat-off mode	$P_{TO}$	0.036	kW						
Standby mode	$P_{_{SB}}$	0.028	kW	Type of energy input	Electrical				
Crankcase heater mode	$P_{\scriptscriptstyle CK}$	0.000	kW						
Other items			•	<u> </u>					
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h		
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /64	dB	For water-/brine-to-water heat pumps: Rated brine or water flow	_	_	m³/h		
Annual energy consumption	$Q_{{\scriptscriptstyle HE}}$	2170	kWh or GJ	rate, outdoor heat exchanger					
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	$\eta_{_{wh}}$	-	%		
Daily electricity consumption	$Q_{ m elec}$	-	kWh	Daily fuel consumption	$Q_{\scriptscriptstyle fuel}$	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact information	IMMERGAS S	.p.A via Cis	a Ligure n.95	- 42041 Brescello (RE) Italy					



## Audax 6 + Omnistor 300 - Low temperature table (30/35) average zones

Low temperature table (30/35		<b> </b>							
Model: Audax 6 + Omnisto	r 300								
Air-to-water heat pump: yes									
Water-to-water heat pump: no									
Brine-to-water heat pump: no									
Low-temperature heat pump: r	10								
Equipped with a supplementar	y heater: no								
Heat pump combination heater	r: yes								
The parameters are declared for	or average climat	ic condition	1S						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit		
Rated heat output	Prated	4	kW	Seasonal space heating energy efficiency	$\eta_S$	186	%		
Declared capacity for heating 20°C and outdoor temperature		ndoor temp	erature	Declared coefficient of performan load at indoor temperature 20°C a					
$T_i = -7 ^{\circ}\text{C}$	Pdh	3.6	kW	$T_i = -7$ °C	COPd	3.03	_		
$T_i = +2$ °C	Pdh	2.2	kW	$T_i = +2 ^{\circ}\text{C}$	COPd	4.81	_		
$T_i = +7$ °C	Pdh	1.4	kW	$T_i = +7$ °C	COPd	6.08	_		
$T_j = + 12 ^{\circ}\text{C}$	Pdh	1.3	kW	$T_{i} = + 12 ^{\circ}\text{C}$	COPd	7.20	_		
J	Pdh	3.6	kW	$T_j = 12^{\circ}$ C $T_i = \text{bivalent temperature}$	COPd	3.03	_		
$T_j$ = bivalent temperature $T_i$ = operation limit	1 un		KW	$T_j = \text{bivalent temperature}$ $T_i = \text{temperature operating}$	COT u		_		
temperature	Pdh	2.9	kW	limit	COPd	2.44	-		
for air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if TOL < $-20 ^{\circ}\text{C}$ )	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15 \text{ °C}$ (if TOL < -20 °C)	COPd	-	_		
Bivalent temperature	$T_{_{biv}}$	-7	°C	For air/water heat pumps: temperature operating limit	TOL	-20	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc or PERcyc	-	-		
Degradation co-efficient	Cdh	0.9	_	Heating water operating limit temperature	WTOL	-	°C		
Power consumption in modes other	er than active mode	:		Supplementary heater					
OFF mode	$P_{\scriptscriptstyle OFF}$	0.000	kW	Rated heat output	Psup	-	kW		
Thermostat-off mode	$P_{_{TO}}$	0.038	kW						
Standby mode	$P_{_{SB}}$	0.028	kW	Type of energy input	Electrical				
Crankcase heater mode	$P_{CK}$	0.000	kW						
Other items	-		l						
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h		
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle WA}$	- /64	dB	For water-/brine-to-water heat pumps: Rated brine or water flow	_	_	m³/h		
Annual energy consumption	$Q_{{\scriptscriptstyle HE}}$	1747	kWh or GJ	rate, outdoor heat exchanger					
For heat pump combination heater	:		-	-			-		
Declared load profile		XXL		Water heating energy efficiency	$\eta_{_{wh}}$	98	%		
Daily electricity consumption	$Q_{ m elec}$	9.975	kWh	Daily fuel consumption	$Q_{\scriptscriptstyle fuel}$	-	kWh		
Annual electricity consumption	AEC	2191	kWh	Annual fuel consumption	AFC	-	GJ		
Contact information	IMMERGAS S	.p.A via Cis	a Ligure n.95	- 42041 Brescello (RE) Italy			•		



## Audax 6 + Omnistor 300 - Medium temperature table (47/55) average zones

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y ratio for part ure T <sub>j</sub>
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°C
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°C
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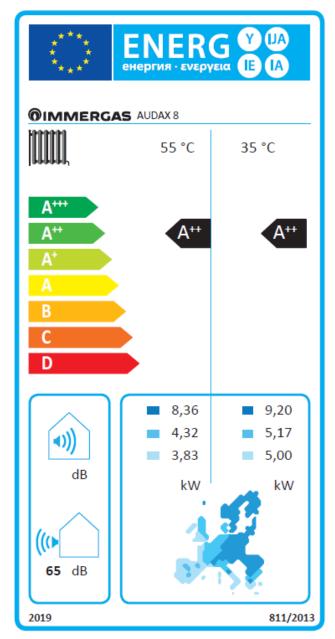
### Additional DHW data

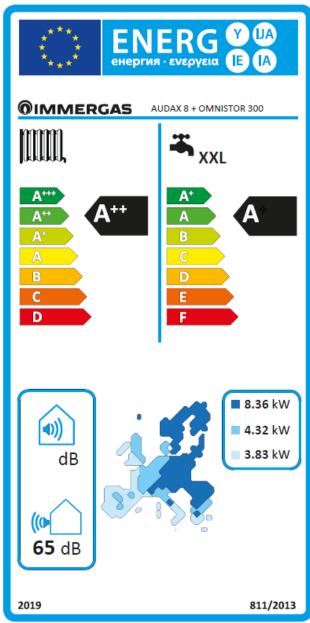
Model: Audax 6 + Omnistor 300											
Heat pump with storage tank											
Declared Load Profile		XXL			Water heating energy efficiency	$\eta_{wh}$	98	%			
Daily electricity consumption	$Q_{ m elec}$	9.975	kWh		Daily fuel consumption	$Q_{\mathit{fuel}}$	-	kWh			
Annual electricity consumption	AEC	2191	kWh		Annual fuel consumption	AFC	-	GJ			
Standby Heat Loss		2.18	kWh /day		Reference hot water temperature	$ heta'_{WH}$	49.9	°C			
Volume of DHW accounted for in test		300	L		Heating water operating limit temperature	WTOL	60	°C			
Test data as per EN 16147:20	)17										
Contact information	Immerg	gas s.p.a vi	ia Cisa I	Ligi	ure n.95			·			



#### **AUDAX 8**

Audax 8 - Energetic labels







## Audax 8 - Low temperature table (30/35) average zones

Model: Audax 8							
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							
Heat pump combination heater							
The parameters are declared for		ic condition	16				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output	Prated	5.2	kW	Seasonal space heating energy efficiency	$\eta_S$	184	%
Declared capacity for heating for 20°C and outdoor temperature	ı or part load at ir Ti	ndoor temp	erature	Declared coefficient of performan load at indoor temperature 20°C a	ce or primar	ry energy r	atio for part e T <sub>i</sub>
$T_i = -7$ °C	Pdh	4.6	kW	$T_i = -7$ °C	COPd	2.66	_
$T_i = +2 ^{\circ}\text{C}$	Pdh	2.7	kW	$T_i = +2 ^{\circ}\text{C}$	COPd	4.62	_
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.8	kW	$T_i = +7$ °C	COPd	6.33	_
$T_i = +12 ^{\circ}\text{C}$	Pdh	1.1	kW	$T_i = +12 ^{\circ}\text{C}$	COPd	8.63	_
$T_i$ = bivalent temperature	Pdh	4.6	kW	$T_i$ = bivalent temperature	COPd	2.66	_
$T_j$ = operation limit temperature	Pdh	4.6	kW	$T_j$ = temperature operating limit	COPd	2.54	_
for air-to-water heat pumps: $T_j = -15$ °C (if TOL $< -20$ °C)	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15$ °C (if TOL $< -20$ °C)	COPd	-	_
Bivalent temperature	$T_{_{biv}}$	-7	°C	For air/water heat pumps: temperature operating limit	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc or PERcyc	-	-
Degradation co-efficient	Cdh	0.9	_	Heating water operating limit temperature	WTOL	-	°C
Power consumption in modes other	than active mode	2		Supplementary heater			
OFF mode	$P_{\scriptscriptstyle OFF}$	0.000	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	$P_{\scriptscriptstyle TO}$	0.046	kW				
Standby mode	$P_{\scriptscriptstyle SB}$	0.028	kW	Type of energy input	Electrical		
Crankcase heater mode	$P_{\scriptscriptstyle CK}$	0.000	kW				
Other items	•		•				
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /65	dB	For water-/brine-to-water heat pumps: Rated brine or water flow	_	-	m³/h
Annual energy consumption	$Q_{{\scriptscriptstyle HE}}$	2273	kWh or GJ	rate, outdoor heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta_{_{wh}}$	-	%
Daily electricity consumption	$Q_{elec}$	-	kWh	Daily fuel consumption	$Q_{\it fuel}$	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact information	IMMERGAS S	p.A via Cis	a Ligure n.95	- 42041 Brescello (RE) Italy			•



## Audax 8 - Medium temperature table (47/55) average zones

Medium temperature table (47	/55) average z	ones								
Model: Audax 8										
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: no									
Heat pump combination heater:	no									
The parameters are declared for		ic condition	1S							
Element	Symbol	Value	Unit		Element	Symbol	Value	Unit		
Rated heat output	Prated	4.3	kW		Seasonal space heating energy efficiency	$\eta_S$	131	%		
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj					Declared coefficient of performa load at indoor temperature 20°C	nce or primar and outdoor t	ry energy r temperatur	atio for part e T <sub>j</sub>		
$T_i = -7 ^{\circ}\text{C}$	Pdh	3.8	kW		$T_i = -7$ °C	COPd	2.08	_		
$T_i = +2 ^{\circ}\text{C}$	Pdh	2.4	kW	1	$T_i = +2 ^{\circ}\text{C}$	COPd	3.29	_		
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.4	kW		$T_i = +7 ^{\circ}\text{C}$	COPd	4.30	_		
$T_j = +7$ C $T_i = +12$ °C	Pdh	0.9	kW	1	$T_j = +7 \text{ C}$ $T_i = +12 \text{ °C}$	COPd	6.26	_		
$T_j = +12^{\circ}$ C $T_i = \text{bivalent temperature}$	Pdh	3.8	kW	-	$T_j = +12$ C $T_i = \text{bivalent temperature}$	COPd	2.08	_		
$T_j = \text{olvation temperature}$ $T_i = \text{operation limit}$	1 un	3.0	IX YY	-	$T_j$ = bivalent temperature $T_i$ = temperature operating	COLU				
temperature	Pdh	3.6	kW	1	límit	COPd	1.88	_		
for air-to-water heat pumps: $T_j = -15  ^{\circ}\text{C}$ (if TOL < $-20  ^{\circ}\text{C}$ )	Pdh	-	kW		For air-to-water heat pumps: $T_j = -15$ °C (if TOL $< -20$ °C)	COPd	-	_		
Bivalent temperature	$T_{_{biv}}$	-7	°C		For air/water heat pumps: tem- perature operating limit	TOL	-10	°C		
Cycling interval capacity for heating	Pcych	-	kW		Cycling interval efficiency	COPcyc or PERcyc	-	-		
Degradation co-efficient	Cdh	0.9	_		Heating water operating limit temperature	WTOL	-	°C		
Power consumption in modes other	than active mode				Supplementary heater					
OFF mode	$P_{OFF}$	0.000	kW		Rated heat output	Psup	-	kW		
Thermostat-off mode	$P_{_{TO}}$	0.038	kW							
Standby mode	$P_{_{SB}}$	0.028	kW		Type of energy input	Electrical				
Crankcase heater mode	$P_{\scriptscriptstyle CK}$	0.000	kW							
Other items	1		1			1				
Capacity control	Variable			1	For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h		
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /65	dB		For water-/brine-to-water heat pumps: Rated brine or water flow	_	_	m³/h		
Annual energy consumption	$Q_{\scriptscriptstyle HE}$	2651	kWh or GJ		rate, outdoor heat exchanger					
For heat pump combination heater:			•	1	1					
Declared load profile		-			Water heating energy efficiency	$\eta_{_{wh}}$	-	%		
Daily electricity consumption	$Q_{ m elec}$	-	kWh		Daily fuel consumption	$Q_{\scriptscriptstyle fuel}$	-	kWh		
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ		
Contact information	IMMERGAS S	p.A via Cisa	a Ligure n.95	5 - 4204	1 Brescello (RE) Italy	-				
	I.									



## Audax 8 + Omnistor 300 - Low temperature table (30/35) average zones

Model: Audax 8 + Omnistor							
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							
Heat pump combination heater:							
The parameters are declared for		ic condition	1S				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output	Prated	5.2	kW	Seasonal space heating energy efficiency	$\eta_S$	184	%
Declared capacity for heating for 20°C and outdoor temperature	or part load at ir Tj	ndoor temp	erature	Declared coefficient of performan load at indoor temperature 20°C a	ce or primar nd outdoor t	y energy r emperatur	atio for part e T <sub>j</sub>
$T_i = -7$ °C	Pdh	4.6	kW	$T_i = -7$ °C	COPd	2.66	_
$T_j = +2 ^{\circ}\text{C}$	Pdh	2.7	kW	$T_j = +2 ^{\circ}\text{C}$	COPd	4.62	_
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.8	kW	$T_i = +7 ^{\circ}\text{C}$	COPd	6.33	-
$T_j = +12 {}^{\circ}\text{C}$	Pdh	1.1	kW	$T_j = +12 ^{\circ}\text{C}$	COPd	8.63	_
$T_j$ = bivalent temperature	Pdh	4.6	kW	$T_j$ = bivalent temperature	COPd	2.66	_
$T_j$ = operation limit temperature	Pdh	4.6	kW	$T_j$ = temperature operating limit	COPd	2.54	_
for air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	COPd	-	-
Bivalent temperature	$T_{_{biv}}$	-7	°C	For air/water heat pumps: temperature operating limit	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc or PERcyc	-	_
Degradation co-efficient	Cdh	0.9	_	Heating water operating limit temperature	WTOL	-	°C
Power consumption in modes other	than active mode	;	,	Supplementary heater	- U		
OFF mode	$P_{\scriptscriptstyle OFF}$	0.000	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	$P_{TO}$	0.046	kW				•
Standby mode	$P_{\scriptscriptstyle SB}$	0.028	kW	Type of energy input	Electrical		
Crankcase heater mode	$P_{CK}$	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /65	dB	For water-/brine-to-water heat pumps: Rated brine or water flow	_	-	m³/h
Annual energy consumption	$Q_{\scriptscriptstyle HE}$	2273	kWh or GJ	rate, outdoor heat exchanger			
For heat pump combination heater:							
Declared load profile		XXL		Water heating energy efficiency	$\eta_{_{wh}}$	103	%
Daily electricity consumption	$Q_{\it elec}$	9.517	kWh	Daily fuel consumption	$Q_{\scriptscriptstyle fuel}$	-	kWh
Annual electricity consumption	AEC	2090	kWh	Annual fuel consumption	AFC	-	GJ
Contact information	IMMERGAS S	p.A via Cis	a Ligure n.95	- 42041 Brescello (RE) Italy			



## Audax 8 + Omnistor 300 - Medium temperature table (47/55) average zones

Aledium temperature table (4)		ones								
Model: Audax 8 + Omniston	: 300									
Air-to-water heat pump: yes										
Water-to-water heat pump: no										
Brine-to-water heat pump: no										
Low-temperature heat pump: n	0									
Equipped with a supplementar	y heater: no									
Heat pump combination heater	:: yes									
The parameters are declared fo	-	ic condition	1S							
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated heat output	Prated	4.3	kW	Seasonal space heating energy efficiency	$\eta_S$	131	%			
Declared capacity for heating to 20°C and outdoor temperature		ndoor temp	erature	Declared coefficient of performar load at indoor temperature 20°C a	nce or primar and outdoor t	ry energy r temperatur	atio for pa e T <sub>j</sub>			
$T_i = -7 ^{\circ}\text{C}$	Pdh	3.8	kW	$T_i = -7 ^{\circ}\text{C}$	COPd	2.08	_			
$T_i = +2 ^{\circ}\text{C}$	Pdh	2.4	kW	$T_i = +2$ °C	COPd	3.29	_			
$T_i = +7 ^{\circ}\text{C}$	Pdh	1.4	kW	$T_i = +7 ^{\circ}\text{C}$	COPd	4.30	_			
$T_j = +7$ C $T_i = +12$ °C	Pdh	0.9	kW	$T_i = +12 ^{\circ}\text{C}$	COPd	6.26	_			
$T_j = +12$ C $T_i = \text{bivalent temperature}$	Pdh	3.8	kW	$T_j = +12^{\circ}$ C $T_i = \text{bivalent temperature}$	COPd	2.08	_			
$T_j$ = bivalent temperature $T_i$ = operation limit				$T_j$ = bivalent temperature $T_i$ = temperature operating						
$I_j$ = operation limit temperature	Pdh	3.6	kW	límit	COPd	1.88	_			
for air-to-water heat pumps: $T_{j} = -15  ^{\circ}\text{C}$ (if TOL < $-20  ^{\circ}\text{C}$ )	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	COPd	-	_			
Bivalent temperature	$T_{\scriptscriptstyle biv}$	-7	°C	For air/water heat pumps: temperature operating limit	TOL	-10	°C			
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc or PERcyc	-	_			
Degradation co-efficient	Cdh	0.9	_	Heating water operating limit temperature	WTOL	-	°C			
Power consumption in modes other				Supplementary heater	Supplementary heater					
OFF mode	$P_{\scriptscriptstyle OFF}$	0.000	kW	Rated heat output	Psup	-	kW			
Thermostat-off mode	$P_{\scriptscriptstyle TO}$	0.038	kW							
Standby mode	$P_{_{SB}}$	0.028	kW	Type of energy input	Electrical					
Crankcase heater mode	$P_{CK}$	0.000	kW	1						
Other items	1		1							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	_	2880	m³/h			
Sound power level, indoors/outdoors	$L_{\scriptscriptstyle W\!A}$	- /65	dB	For water-/brine-to-water heat pumps: Rated brine or water flow	_	-	m³/h			
Annual energy consumption	$Q_{{\scriptscriptstyle HE}}$	2651	kWh or GJ	rate, outdoor heat exchanger						
For heat pump combination heater	:									
Declared load profile		XXL		Water heating energy efficiency	$\eta_{_{wh}}$	103	%			
Daily electricity consumption	$Q_{ m elec}$	9.517	kWh	Daily fuel consumption	$Q_{\scriptscriptstyle fuel}$	-	kWh			
Annual electricity consumption	AEC	2090	kWh	Annual fuel consumption	AFC	-	GJ			
Contact information	IMMERGAS S	p.A via Cis	a Ligure n.95	5 - 42041 Brescello (RE) Italy						



### Additional DHW data

Model: Audax 8 + Omnistor 300											
Heat pump with storage tank											
Declared Load Profile		XXL			Water heating energy efficiency	$\eta_{wh}$	103	%			
Daily electricity consumption	$Q_{elec}$	9.517	kWh		Daily fuel consumption	$Q_{\mathit{fuel}}$	-	kWh			
Annual electricity consumption	AEC	2090	kWh		Annual fuel consumption	AFC	-	GJ			
Standby Heat Loss		2.18	kWh /day		Reference hot water temperature	$ heta'_{WH}$	50.6	°C			
Volume of DHW accounted for in test		300	L		Heating water operating limit temperature	WTOL	60	°C			
Test data as per EN 16147:20	017										
Contact information	Immerg	gas s.p.a v	ia Cisa l	Ligu	ure n.95						