

**Compress 3400i AWS**

CS3400iAWS 10 OR-S

8750722683

**Technical documentation:** This document covers information requirements according (EU) No 811/2013, (EU) No 813/2013 as well as (EU) No 2017/1369, specifically Art. 12 (5) regarding: General description of the model, Measured technical parameters of the model

Productdata	Symbol	Unit	8750722683
Rated heat output (average climate conditions)	Prated	kW	8
Seasonal space heating energy efficiency (average climate conditions)	$\eta_s$	%	126
Annual energy consumption (average climate conditions)	$Q_{HE}$	kWh	5136
Annual energy consumption	$Q_{HE}$	GJ	-
Sound power level, indoors	$L_{WA}$	dB	45
Rated heat output (colder climate conditions)	Prated	kW	8
Rated heat output (warmer climate conditions)	Prated	kW	10
Seasonal space heating energy efficiency (colder climate conditions)	$\eta_s$	%	107
Seasonal space heating energy efficiency (warmer climate conditions)	$\eta_s$	%	170
Annual energy consumption (colder climate conditions)	$Q_{HE}$	kWh	6997
Annual energy consumption (colder climate)	$Q_{HE}$	GJ	-
Annual energy consumption (warmer climate conditions)	$Q_{HE}$	kWh	2968
Annual energy consumption (warmer climate)	$Q_{HE}$	GJ	-
Sound power level, outdoors	$L_{WA}$	dB	59
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
<b>Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj</b>			
Tj = - 7 °C (average climate conditions)	Pdh	kW	5,1
Tj = + 2 °C (average climate conditions)	Pdh	kW	4,6
Tj = + 7 °C (average climate conditions)	Pdh	kW	2,6
Tj = + 12 °C (average climate conditions)	Pdh	kW	3,2
Tj = bivalent temperature (average climate conditions)	Pdh	kW	6,1
Tj = operation limit temperature	Pdh	kW	2,7
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	kW	-
Bivalent temperature (average climate conditions)	$T_{biv}$	°C	-4
Cycling interval capacity for heating (average climate conditions)	Pcych	kW	-
Degradation co-efficient (average climate conditions)	Cdh		1,0
Tj = - 7 °C (colder climate conditions)	Pdh	kW	4,8
Tj = + 2 °C (colder climate conditions)	Pdh	kW	2,8
Tj = + 7 °C (colder climate conditions)	Pdh	kW	2,6
Tj = + 12 °C (colder climate conditions)	Pdh	kW	3,2
Tj = bivalent temperature (colder climate conditions)	Pdh	kW	5,1
Bivalent temperature (colder climate conditions)	$T_{biv}$	°C	-10
Bivalent temperature (warmer climate conditions)	$T_{biv}$	°C	4
Cycling interval capacity for heating (colder climate conditions)	Pcych	kW	-
Tj = + 2 °C (warmer climate conditions)	Pdh	kW	6,9
Tj = + 7 °C (warmer climate conditions)	Pdh	kW	6,3
Tj = + 12 °C (warmer climate conditions)	Pdh	kW	3,2

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T <sub>j</sub> = bivalent temperature (warmer climate conditions)	P <sub>dh</sub>	kW	7,6
Bivalent temperature (warmer climate conditions)	T <sub>biv</sub>	°C	4
Cycling interval capacity for heating (warmer climate conditions)	P <sub>cyh</sub>	kW	-
Degradation coefficient (colder climate conditions)	C <sub>dh</sub>		-
Degradation coefficient (warmer climate conditions)	C <sub>dh</sub>		-
<b>Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T<sub>j</sub> /</b>			
T <sub>j</sub> = - 7 °C (average climate conditions)	COP <sub>d</sub>		1,86
T <sub>j</sub> = - 7 °C (average climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 2 °C (average climate conditions)	COP <sub>d</sub>		3,36
T <sub>j</sub> = + 2 °C (average climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 7 °C (average climate conditions)	COP <sub>d</sub>		4,31
T <sub>j</sub> = + 7 °C (average climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 12 °C (average climate conditions)	COP <sub>d</sub>		5,96
T <sub>j</sub> = + 12 °C (average climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = bivalent temperature (average climate conditions)	COP <sub>d</sub>		2,28
T <sub>j</sub> = bivalent temperature	PER <sub>d</sub>	%	-
T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>		1,40
T <sub>j</sub> = operation limit temperature	PER <sub>d</sub>	%	-
For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>		-
For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	PER <sub>d</sub>	%	-
For air-to-water heat pumps: Operation limit temperature	TOL	°C	-10
Cycling interval efficiency (average climate conditions)	COP <sub>cy</sub>		-
Cycling interval efficiency	PER <sub>cy</sub>	%	-
Heating water operating limit temperature	WTOL	°C	60
T <sub>j</sub> = - 7 °C (colder climate conditions)	COP <sub>d</sub>		2,27
T <sub>j</sub> = + 2 °C (colder climate conditions)	COP <sub>d</sub>		3,66
T <sub>j</sub> = + 7 °C (colder climate conditions)	COP <sub>d</sub>		4,72
T <sub>j</sub> = + 12 °C (colder climate conditions)	COP <sub>d</sub>		6,20
T <sub>j</sub> = bivalent temperature (colder climate conditions)	COP <sub>d</sub>		1,95
T <sub>j</sub> = + 2 °C (warmer climate conditions)	COP <sub>d</sub>		2,34
T <sub>j</sub> = + 7 °C (warmer climate conditions)	COP <sub>d</sub>		3,52
T <sub>j</sub> = + 12 °C (warmer climate conditions)	COP <sub>d</sub>		5,91
T <sub>j</sub> = bivalent temperature (warmer climate conditions)	COP <sub>d</sub>		2,75
T <sub>j</sub> = - 7 °C (colder climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 2 °C (colder climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 7 °C (colder climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 12 °C (colder climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 2 °C (warmer climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 7 °C (warmer climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = + 12 °C (warmer climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = bivalent temperature (colder climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = bivalent temperature (warmer climate conditions)	PER <sub>d</sub>	%	-
T <sub>j</sub> = operation limit temperature (colder climate conditions)	PER <sub>d</sub>	%	-
For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C, colder climate conditions)	PER <sub>d</sub>	%	-
Cycling interval efficiency (colder climate conditions)	COP <sub>cy</sub>		-

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Productdata	Symbol	Unit	8750722683
Cycling interval efficiency (warmer climate conditions)	COP <sub>cyc</sub>		-
Cycling interval efficiency (colder climate conditions)	PER <sub>cyc</sub>	%	-
Cycling interval efficiency (warmer climate conditions)	PER <sub>cyc</sub>	%	-
<b>Power consumption in modes other than active mode</b>			
Off mode	P <sub>OFF</sub>	kW	0,011
Thermostat-off mode	P <sub>TO</sub>	kW	0,000
In standby mode	P <sub>SB</sub>	kW	0,011
Crankcase heater mode	P <sub>CK</sub>	kW	0,000
<b>Supplementary heater</b>			
Rated heat output supplementary heater	P <sub>sup</sub>	kW	5,4
Type of energy input			Electric
Rated heat output (colder climate conditions)	P <sub>sup</sub>	kW	7,8
Rated heat output (warmer climate conditions)	P <sub>sup</sub>	kW	2,7
<b>Other items</b>			
Capacity control			variable
Emissions of nitrogen oxides (only gas- or oil fired)	NO <sub>x</sub>	mg/kWh	-
For air-to-water heat pumps: Rated air flow rate, outdoors		m <sup>3</sup> /h	2600
For brine-to-water heat pumps: Rated brine flow rate, outdoor heat exchanger		m <sup>3</sup> /h	-
<b>Equivalent models listing.</b>			
<b>Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier.</b>			
Equivalent Model			7739454775
Equivalent Model			7739454784
Equivalent Model			7739454802
Equivalent Model			7739454811
Equivalent Model			8750723057