

Compress 3400i AWS

CS3400iAWS 8 OR-S

8750722682

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	8750722682
Rated heat output (average climate conditions)	Prated	kW	7
Seasonal space heating energy efficiency (average climate conditions)	η_s	%	126
Annual energy consumption (average climate conditions)	Q_{HE}	kWh	4476
Annual energy consumption	Q_{HE}	GJ	-
Sound power level, indoors	L_{WA}	dB	45
Rated heat output (colder climate conditions)	Prated	kW	7
Rated heat output (warmer climate conditions)	Prated	kW	9
Seasonal space heating energy efficiency (colder climate conditions)	η_s	%	107
Seasonal space heating energy efficiency (warmer climate conditions)	η_s	%	167
Annual energy consumption (colder climate conditions)	Q_{HE}	kWh	6257
Annual energy consumption (colder climate)	Q_{HE}	GJ	-
Annual energy consumption (warmer climate conditions)	Q_{HE}	kWh	2835
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
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C (average climate conditions)	Pdh	kW	5,1
Tj = + 2 °C (average climate conditions)	Pdh	kW	3,9
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	5,8
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	-5
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	4,3
Tj = + 2 °C (colder climate conditions)	Pdh	kW	2,7
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	4,8
Bivalent temperature (colder climate conditions)	T_{biv}	°C	-11
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	6,0
Tj = + 12 °C (warmer climate conditions)	Pdh	kW	3,2

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Productdata	Symbol	Unit	8750722682
T _j = bivalent temperature (warmer climate conditions)	P _{dh}	kW	7,6
Bivalent temperature (warmer climate conditions)	T _{biv}	°C	4
Cycling interval capacity for heating (warmer climate conditions)	P _{cyh}	kW	-
Degradation coefficient (colder climate conditions)	C _{dh}		-
Degradation coefficient (warmer climate conditions)	C _{dh}		-
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j /			
T _j = - 7 °C (average climate conditions)	COP _d		1,86
T _j = - 7 °C (average climate conditions)	PER _d	%	-
T _j = + 2 °C (average climate conditions)	COP _d		3,24
T _j = + 2 °C (average climate conditions)	PER _d	%	-
T _j = + 7 °C (average climate conditions)	COP _d		4,44
T _j = + 7 °C (average climate conditions)	PER _d	%	-
T _j = + 12 °C (average climate conditions)	COP _d		5,86
T _j = + 12 °C (average climate conditions)	PER _d	%	-
T _j = bivalent temperature (average climate conditions)	COP _d		2,14
T _j = bivalent temperature	PER _d	%	-
T _j = operation limit temperature	COP _d		1,40
T _j = operation limit temperature	PER _d	%	-
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d		-
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	PER _d	%	-
For air-to-water heat pumps: Operation limit temperature	TOL	°C	-10
Cycling interval efficiency (average climate conditions)	COP _{cy}		-
Cycling interval efficiency	PER _{cy}	%	-
Heating water operating limit temperature	WTOL	°C	60
T _j = - 7 °C (colder climate conditions)	COP _d		2,28
T _j = + 2 °C (colder climate conditions)	COP _d		3,63
T _j = + 7 °C (colder climate conditions)	COP _d		4,61
T _j = + 12 °C (colder climate conditions)	COP _d		6,15
T _j = bivalent temperature (colder climate conditions)	COP _d		1,85
T _j = + 2 °C (warmer climate conditions)	COP _d		2,34
T _j = + 7 °C (warmer climate conditions)	COP _d		3,41
T _j = + 12 °C (warmer climate conditions)	COP _d		5,81
T _j = bivalent temperature (warmer climate conditions)	COP _d		2,75
T _j = - 7 °C (colder climate conditions)	PER _d	%	-
T _j = + 2 °C (colder climate conditions)	PER _d	%	-
T _j = + 7 °C (colder climate conditions)	PER _d	%	-
T _j = + 12 °C (colder climate conditions)	PER _d	%	-
T _j = + 2 °C (warmer climate conditions)	PER _d	%	-
T _j = + 7 °C (warmer climate conditions)	PER _d	%	-
T _j = + 12 °C (warmer climate conditions)	PER _d	%	-
T _j = bivalent temperature (colder climate conditions)	PER _d	%	-
T _j = bivalent temperature (warmer climate conditions)	PER _d	%	-
T _j = operation limit temperature (colder climate conditions)	PER _d	%	-
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C, colder climate conditions)	PER _d	%	-
Cycling interval efficiency (colder climate conditions)	COP _{cy}		-

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Productdata	Symbol	Unit	8750722682
Cycling interval efficiency (warmer climate conditions)	COP _{cyc}		-
Cycling interval efficiency (colder climate conditions)	PER _{cyc}	%	-
Cycling interval efficiency (warmer climate conditions)	PER _{cyc}	%	-
Power consumption in modes other than active mode			
Off mode	P _{OFF}	kW	0,011
Thermostat-off mode	P _{TO}	kW	0,000
In standby mode	P _{SB}	kW	0,011
Crankcase heater mode	P _{CK}	kW	0,000
Supplementary heater			
Rated heat output supplementary heater	P _{sup}	kW	4,4
Type of energy input			Electric
Rated heat output (colder climate conditions)	P _{sup}	kW	7,0
Rated heat output (warmer climate conditions)	P _{sup}	kW	2,1
Other items			
Capacity control			variable
Emissions of nitrogen oxides (only gas- or oil fired)	NO _x	mg/kWh	-
For air-to-water heat pumps: Rated air flow rate, outdoors		m ³ /h	2600
For brine-to-water heat pumps: Rated brine flow rate, outdoor heat exchanger		m ³ /h	-
Equivalent models listing.			
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.			
Equivalent Model			7739454774
Equivalent Model			7739454783
Equivalent Model			7739454801
Equivalent Model			7739454810