

EUROPEAN ECODESIGN REGULATIONS



Air-cooled liquid chiller with scroll compressor

AQUACIAT LD 0150-0600R



TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0150R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	42
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	173

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	41.8
	EERd		2.95
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	30.8
	EERd		3.72
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	24.3
	EERd		4.82
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	24.5
	EERd		5.56
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	39
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	81.0
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0180R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	47
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	176

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	47.3
	EERd		2.94
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	34.9
	EERd		3.78
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	26.9
	EERd		4.92
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	26.9
	EERd		5.63
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	40
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	82.0
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0200R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	53
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	177

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	52.9
	EERd		2.93
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	39.0
	EERd		3.76
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	31.3
	EERd		4.97
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	31.8
	EERd		5.73
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	44
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	83.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0202R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	56
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	182

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	56.1
	EERd		2.97
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	41.3
	EERd		3.87
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	32.6
	EERd		5.11
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	32.7
	EERd		5.84
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	45
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	83.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0240R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	64
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	174

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	63.6
	EERd		2.89
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	46.9
	EERd		3.69
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	36.0
	EERd		4.84
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	36.2
	EERd		5.59
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	46
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	88.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0260R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	71
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	169

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	71.2
	EERd		2.90
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	52.5
	EERd		3.71
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	41.7
	EERd		4.71
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	41.7
	EERd		5.22
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	49
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	88.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

[Information requirements pursuant to regulation \(EU\)N°2016/2281](#)

Description

Model	AQUACIAT LD 0300R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	81
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	167

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	81.1
	EERd		2.78
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	59.8
	EERd		3.61
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	47.2
	EERd		4.67
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	47.6
	EERd		5.19
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	52
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	89.0
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0360R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	93
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	172

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	93.4
	EERd		2.96
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	68.8
	EERd		3.71
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	53.7
	EERd		4.75
	Cdc(*)		0.99
Tj = 20 °C	Pdc	kW	54.5
	EERd		5.42
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	60
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	91.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0390R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	107
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	177

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	107
	EERd		2.83
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	78.2
	EERd		3.79
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	50.8
	EERd		4.86
	Cdc(*)		-
Tj = 20 °C	Pdc	kW	43.0
	EERd		5.82
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	40
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	91.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0450R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	124
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	180

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	124
	EERd		2.84
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	91.4
	EERd		3.90
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	58.8
	EERd		4.92
	Cdc(*)		-
Tj = 20 °C	Pdc	kW	50.1
	EERd		5.80
	Cdc(*)		0.99

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	43
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	91.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0520R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	140
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	176

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj	Pdc	Unit	
Tj = 35 °C	Pdc	kW	140
	EERd		2.87
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	103
	EERd		3.66
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	66.5
	EERd		4.90
	Cdc(*)		-
Tj = 20 °C	Pdc	kW	43.5
	EERd		5.65
	Cdc(*)		-

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	33
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	91.5
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9

TECHNICAL DATASHEET FOR LOW TEMPERATURE COMFORT CHILLER

Information requirements pursuant to regulation (EU)N°2016/2281

Description

Model	AQUACIAT LD 0600R		
Outdoor side heat exchanger of unit	Air		
Indoor side heat exchanger of unit	Water		
Standard rating condition used	Low Temperature application (7°C/12°C)		
Type	Compressor driven vapour compression		
Driver of the compressor	Electric motor		
Evaporator fluid type			
Evaporator fluid concentration		%	

Performances established in accordance with EN14511:2018 and EN14825:2018

	Symbol	Unit	
Rated cooling capacity	$P_{rated,c}$	kW	160
Seasonal Space Cooling Energy Efficiency	$\eta_{s,c}$	%	172

Declared capacity (Pdc), declared coefficient of performance (EERd) and declared degradation coefficient (Cdc(*)) for cooling for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = 35 °C	Pdc	kW	160
	EERd		2.76
	Cdc(*)		-
Tj = 30 °C	Pdc	kW	118
	EERd		3.56
	Cdc(*)		-
Tj = 25 °C	Pdc	kW	75.8
	EERd		4.83
	Cdc(*)		-
Tj = 20 °C	Pdc	kW	49.5
	EERd		5.59
	Cdc(*)		-

Power consumption in modes other than active mode

Off mode	P_{OFF}	W	0.0
Thermostat off-mode	P_{TO}	W	34
Standby mode	P_{SB}	W	20
Crankcase heater mode	P_{CK}	W	0.0

Other items

Capacity control	STAGED		
Outlet temperature control	VARIABLE		
Water flow rate control,Indoor	VARIABLE		
Rated Air flow rate,Outdoor ¹		l/s	0
Sound power level	L_{WA}	dBA	92.0
Refrigerant type	R32		
GWP of refrigerant		kg/CO2 eq (100 years)	675

Contact details	CIAT - Avenue Jean Falconnier BP 14 - 01325 Culoz - France
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(1)Not applicable for water-to-water and brine-to-water heat pumps

(*)If Cdc is not determined by measurement then the default degradation coefficient is Cdc=0.9