

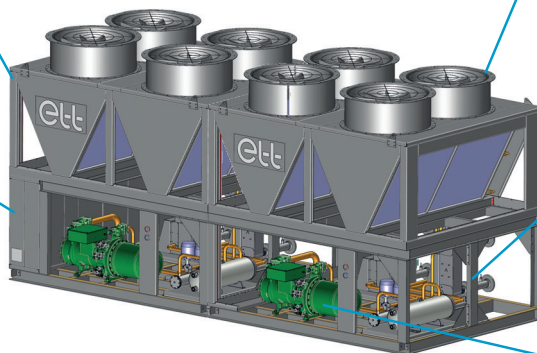
A complete range of industrial liquid coolers : EC+

Aluminium frame and casing assembly AG3

20-Year anti-corrosion guarantee.

New generation CONTROLLER

Communication between units and technical data transfer from the units to an external server to allow optimum remote control with **myETVvision**



Variable-speed **Ø910 propeller fans**, communicating, with bionic blade design, electronically commutated (EC) motor, optimum performance and low acoustic level.

Evaporator

BPHE brazed plate heat exchanger for customer process connection

Screw compressor



Option: Total heat recovery

BPHE brazed plate heat exchanger on customer process water loop



Wide range and wide choice of compressors



Optimised cooling performance thanks to EC propellers with airflow modulation



Low refrigerator load with the installation of BPHE heat exchangers



Acoustic performance with the integration of the quietest propellers on the market



Adaptation to dimensional constraints with made-to-measure solutions

Industrial applications



Agri-food

Cosmetics-Chemistry-Pharma

Data Centres



Defence - Armament

Electricity- Electronics

Warehouses - Logistics



Paper - Printing

Mechanics - Automotive

Metallurgy



Shipbuilding

Oil & Gas- Energy

Plastics industry

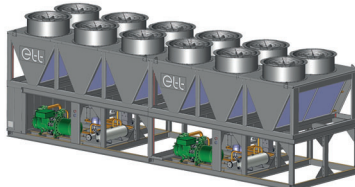
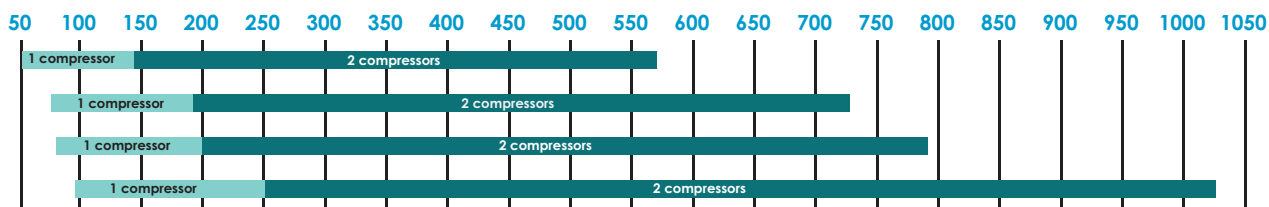
Cooling capacity ranges (kW)

EG -8°C/-4°C regime

EG -4°C/0°C regime

EG -2°C/+2°C regime

EG 7°C/12°C regime



Quick selection guide :

Chilled -8°C/-4°C water regime																			
Unit reference		EC1+						EC2+											
		50	60	70	80	90	100	110	70	80	90	100	110	125	140	160	180	210	240
Cooling capacity ⁽¹⁾	kW	51.1	64.9	73.8	84.5	100	118.7	134.9	147.6	169	200	237.4	269.8	290.4	335.6	365.6	428.2	494	573.6
Number of circuits	U	1						2											
Chilled water flow (2)	m3/h	12.4	15.5	17.7	20.2	23.9	28.4	32.3	35.3	40.5	47.9	56.8	64.6	69.5	80.3	87.5	102.5	118.2	137.3
Gross EER	kW/kW	1.78	1.80	1.74	1.79	1.82	1.87	1.87	1.74	1.79	1.82	1.87	1.87	1.86	1.89	1.83	1.90	1.90	1.97
Recovery heating capacity ⁽³⁾	kW	85.6	107.0	123.2	139.7	164.3	193.5	219.8	246.4	279.5	328.5	387.0	439.7	473.4	545.0	599.6	693.7	800.4	918.9
Hot water flow (2)	m3/h	16.0	20.0	23.1	26.2	30.8	36.2	41.2	46.1	52.3	61.5	72.5	82.3	88.6	102.0	112.3	129.9	149.8	172.0
Max installed electrical power	kW	60.6	73.6	86.6	96.6	104.6	110.6	120.6	164.6	184.6	200.6	212.6	232.6	272.6	308.6	328.6	380.6	504.4	522.4
Max installed electrical intensity	A	99.9	121.9	141.9	157.9	175.9	175.9	183.9	269.9	301.9	337.9	353.9	373.9	445.9	505.9	533.9	633.9	760.1	860.1
Outside sound power level	dB(A)	86.4	87.2	86.4	87.3	86.2	86.6	86.1	89.4	90.3	89.2	89.6	89.1	93.6	93.9	91.9	91.7	93.6	93.9
Outside sound pressure level ⁽⁴⁾	dB(A)	58.4	59.2	58.4	59.3	58.2	58.6	58.1	61.4	62.3	61.2	61.6	61.1	65.6	65.9	63.9	63.7	65.6	65.9
Length x Width x Height	mm	2890 x 2450 x 2890						5960 x 2450 x 2890											
Unit weight:	kg	1847	1852	2074	2084	2117	2150	2192	3986	4006	4071	4137	4222	4887	5008	5010	5143	7129	7235

Chilled -2°C/+2°C water regime																			
Unit reference		EC1+						EC2+											
		50	60	70	80	90	100	110	70	80	90	100	110	125	140	160	180	210	240
Cooling capacity ⁽¹⁾	kW	66.2	83.1	95.2	108.9	127.8	150.5	171.1	190.4	217.8	255.6	301	342.2	368.2	425.4	466	546	629.6	730.4
Number of circuits	U	1						2											
Chilled water flow (2)	m3/h	15.8	19.8	22.7	26.0	30.5	35.9	40.8	45.5	52.0	61.0	71.9	81.7	87.9	101.6	111.2	130.3	150.3	174.4
Gross EER	kW/kW	2.21	2.25	2.19	2.25	2.27	2.30	2.31	2.19	2.25	2.27	2.30	2.31	2.31	2.34	2.27	2.37	2.38	2.44
Recovery heating capacity ⁽³⁾	kW	102.1	127.8	147.6	167.4	195.9	229.7	261.0	295.1	334.7	391.7	459.5	522.0	561.8	646.7	714.0	827.1	952.1	1097.3
Hot water flow (2)	m3/h	19.1	23.9	27.6	31.3	36.7	43.0	48.9	55.2	62.7	73.3	86.0	97.7	105.2	121.1	133.7	154.8	178.2	205.4
Max installed electrical power	kW	60.6	73.6	86.6	96.6	104.6	110.6	120.6	164.6	184.6	200.6	212.6	232.6	272.6	308.6	332.4	384.4	504.4	526.2
Max installed electrical intensity	A	99.9	121.9	141.9	157.9	175.9	183.9	193.9	269.9	301.9	337.9	353.9	373.9	445.9	505.9	540.1	640.1	760.1	866.3
Outside sound power level	dB(A)	86.4	87.2	86.4	87.3	86.2	86.6	86.1	89.4	90.3	89.2	89.6	89.1	93.6	93.9	92.4	92.2	93.6	94.2
Outside sound pressure level ⁽⁴⁾	dB(A)	58.4	59.2	58.4	59.3	58.2	58.6	58.1	61.4	62.3	61.2	61.6	61.1	65.6	65.9	64.4	64.2	65.6	66.2
Length x Width x Height	mm	2890 x 2450 x 2890						5960 x 2450 x 2890											
Unit weight:	kg	1827	1832	2054	2064	2097	2130	2172	3946	3966	4031	4097	4182	4847	4968	6166	6299	7089	8391

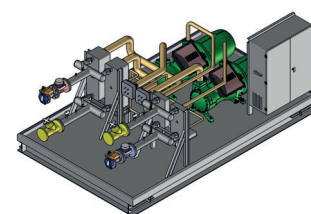
* 11920 x 2450 x 2890 mm

Chilled 7°C/12°C water regime																			
Unit reference		EC1+						EC2+											
		50	60	70	80	90	100	110	70	80	90	100	110	125	140	160	180	210	240
Cooling capacity ⁽¹⁾	kW	93	116.8	135.7	154.8	179.6	209.6	238.4	271.4	309.6	359.2	419.2	476.8	512.4	591.6	652.4	764.6	879.8	1022
Number of circuits	U	1						2											
Chilled water flow (2)	m3/h	22.1	27.7	32.2	36.8	42.6	49.8	56.6	64.4	73.5	85.3	99.5	113.2	121.7	140.5	154.9	181.6	208.9	242.7
Gross EER	kW/kW	2.97	3.01	3.00	3.04	3.07	3.08	3.08	3.00	3.04	3.07	3.08	3.08	3.09	3.13	3.06	3.19	3.25	3.29
Recovery heating capacity ⁽³⁾	kW	132.7	166.1	193.1	219.6	254.2	296.3	337.3	386.2	439.2	508.5	592.6	674.6	724.1	833.8	924.0	1073.2	1230.0	1424.9
Hot water flow (2)	m3/h	24.8	31.1	36.1	41.1	47.6	55.5	63.1	72.3	82.2	95.2	110.9	126.3	135.6	156.1	173.0	200.9	230.3	266.8
Max installed electrical power	kW	60.6	73.6	86.6	96.6	104.6	110.6	120.6	164.6	184.6	200.6	212.6	232.6	276.4	312.4	332.4	384.4	508.2	526.2
Max installed electrical intensity	A	99.9	121.9	141.9	157.9	175.9	183.9	193.9	269.9	301.9	337.9	353.9	373.9	452.1	512.1	540.1	640.1	766.3	866.3
Outside sound power level	dB(A)	86.4	87.2	86.4	87.3	86.2	86.6	86.1	89.4	90.3	89.2	89.6	89.1	94.0	94.2	92.4	92.2	93.9	94.2
Outside sound pressure level ⁽⁴⁾	dB(A)	58.4	59.2	58.4	59.3	58.2	58.6	58.1	61.4	62.3	61.2	61.6	61.1	66.0	66.2	64.4	64.2	65.9	66.2
Length x Width x Height	mm	2890 x 2450 x 2890						5960 x 2450 x 2890											
Unit weight:	kg	1827	1832	2054	2064	2097	2130	2172	3946	3966	4031	4097	4182	6043	6164	6166	6299	8285	8391

(1) Outside conditions: +35°C DB / 24°C WB, (2) MPG 35%, (3) Recovery water regime 40/45°C, (4) Resulting outside sound pressure at 10m ref. 10-5 in free field with directivity factor 2

Available options:

- Water-cooled condenser for total heat recovery
- Power variator on compressor(s)
- Desuperheater for high temperature hot water production (limited power)
- Hydraulic kit CW or/and HW in insulated compartment and bodywork
- OO mode with SKID or bodied design
- Other possible chilled water regimes: example -16°C/-8°C
- Possibility of design with 3 or 4 screw compressors within a machine length limit
- Very low noise level with sound traps on helicoids (average gain of 4 dB(A))
- Tailor-made design for adaptation to dimensional constraints



OO SKID

Eligibility :

- IND_UT-116 CEE information sheet: Floating HP regulation
- IND_UT-116 CEE information sheet: Heat recovery on cooling unit (if water-cooled condenser option)
- IND_UT-116 CEE information sheet: Electronic speed variation on an asynchronous motor (if variator option)
- Overamortization of 40% in accordance with French Law no. 2018-1317 of 28 December 2018 on finance for 2019 (Article 25)



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