



Selection guide



www.alfalaval.com/refrigeration

Air and liquid products

Quick selection guide for article number based and stocked heat exchangers for the refrigeration industry.



Air heat exchangers

Brazed plate heat exchangers

Shell-and-tube heat exchangers



Optigo CSE

EC fans – noise level H		4 mm fin spacing							7 mm fin spacing							EC fan 230V/1/50-60Hz				Dimensions (mm)		
Cooler model CSE	No. of fans	Delivery time	Article no.	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Delivery time	Article no.	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Power consumption (W)	Sound pressure (dBA)	Weight (kg)	Internal volume (Litres)	Length	Connections	
				SC1 (kW)	SC2 (kW)						SC1 (kW)	SC2 (kW)									Inlet Ø	Suction Ø
CSEH201B	1	max 5 days	3289052250	1.3	0.9	2.8	517	5.7	<4 weeks	3289052265	1.0	0.7	1.7	562	6.2	33	43	7	0.4	580	12	12
CSEH202B	2	max 5 days	3289052252	2.6	1.8	5.6	1034	8.0	max 5 days	3289052266	1.9	1.3	3.4	1123	8.7	66	46	14	0.8	1030	12	12
CSEH203B	3	max 5 days	3289052254	4.0	2.8	8.4	1551	9.8	max 5 days	3289052267	2.9	2.0	5.1	1685	10.7	99	48	21	1.1	1480	12	14
CSEH301B	1	max 5 days	3289052255	2.1	1.4	4.7	767	6.5	max 5 days	3289052268	1.5	1.0	2.8	852	7.3	35	42	12	0.7	762	12	12
CSEH301C	1	max 5 days	3289052256	2.5	1.7	7.0	671	5.7	<4 weeks	3289052269	2.0	1.3	4.2	767	6.5	35	42	12	1.1	762	12	12
CSEH302B	2	max 5 days	3289052257	3.9	2.7	9.4	1533	9.2	max 5 days	3289052270	3.0	2.0	5.6	1705	10.3	70	45	16	1.3	1262	12	14
CSEH302C	2	max 5 days	3289052258	5.0	3.4	14.0	1343	8.1	max 5 days	3289052271	4.0	2.7	8.5	1533	9.2	70	45	18	1.9	1262	16	16
CSEH303B	3	max 5 days	3289052259	6.2	4.3	14.0	2300	11.3	max 5 days	3289052272	4.6	3.1	8.5	2557	12.6	105	47	21	1.8	1762	16	16
CSEH303C	3	max 5 days	3289052260	7.0	4.8	21.0	2014	9.9	max 5 days	3289052273	5.8	3.9	12.7	2300	11.3	105	47	24	2.7	1762	16	18
CSEH304B	4	max 5 days	3289052261	7.9	5.4	18.7	3066	13.1	max 5 days	3289052274	6.0	4.1	11.3	3410	14.5	140	48	27	2.4	2262	16	18
CSEH304C	4	max 5 days	3289052262	9.6	6.6	28.0	2686	11.4	max 5 days	3289052275	7.8	5.3	16.9	3067	13.1	140	48	29	3.5	2262	16	20
CSEH305B	5	max 5 days	3289052263	9.0	6.2	23.4	3833	14.6	max 5 days	3289052276	7.2	4.9	14.1	4262	16.2	175	49	32	2.9	2762	16	20
CSEH305C	5	max 5 days	3289052264	11.3	7.8	35.1	3357	12.8	max 5 days	3289052277	9.4	6.4	21.1	3833	14.6	175	49	35	4.4	2762	16	22

Product denomination: CSE in combination with the Optigo range name stands for CS: Commercial air cooler – slim line, E: direct expansion for H(C)FC, design pressure 40 bar.

Capacities: SC1: R404A/R507A, t₀ = 0 °C, DT₁ = 10K. SC2: R404A/R507A, t₀ = -8 °C, DT₁ = 8K, lightly frosted coil.

Sound pressure values according to EN 13487 Lp(A) at 3 m.

Data in this table is subject to periodical updates, please check latest version on www.alfalaval.com/refrigeration.



Optigo CSE

EC fans – noise level L		4 mm fin spacing							7 mm fin spacing							EC fan 230V/1/50-60Hz				Dimensions (mm)		
Cooler model CSE	No. of fans	Delivery time	Article no. *	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Delivery time	Article no. *	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Power consumption (W)	Sound pressure (dBa)	Weight (kg)	Internal volume (Litres)	Length	Connections	
				SC1 (kW)	SC2 (kW)						SC1 (kW)	SC2 (kW)									Inlet Ø	Suction Ø
CSEL201B	1	max 5 days	*	1.1	0.8	2.8	379	4.2	<4 weeks	*	0.8	0.6	1.7	414	4.6	19	37	7	0.4	580	12	12
CSEL202B	2	max 5 days	*	2.2	1.5	5.6	758	5.9	max 5 days	*	1.6	1.1	3.4	829	6.4	38	40	14	0.8	1030	12	12
CSEL203B	3	max 5 days	*	3.4	2.3	8.4	1138	7.2	max 5 days	*	2.5	1.7	5.1	1243	7.9	57	42	21	1.1	1480	12	14
CSEL301B	1	max 5 days	*	1.7	1.2	4.7	533	4.5	max 5 days	*	1.2	0.9	2.8	590	5.0	17	33	12	0.7	762	12	12
CSEL301C	1	max 5 days	*	2.0	1.3	7.0	471	4.0	<4 weeks	*	1.6	1.1	4.2	537	4.6	17	33	12	1.1	762	12	12
CSEL302B	2	max 5 days	*	3.2	2.2	9.4	1066	6.4	max 5 days	*	2.4	1.7	5.6	1180	7.1	34	36	17	1.3	1262	12	14
CSEL302C	2	max 5 days	*	3.9	2.7	14.0	942	5.7	max 5 days	*	3.2	2.2	8.5	1073	6.5	34	36	18	1.9	1262	16	16
CSEL303B	3	max 5 days	*	5.1	3.5	14.0	1599	7.9	max 5 days	*	3.7	2.6	8.5	1770	8.7	51	38	22	1.8	1762	16	16
CSEL303C	3	max 5 days	*	5.7	3.9	21.0	1413	7.0	max 5 days	*	4.7	3.2	12.7	1610	7.9	51	38	24	2.7	1762	16	18
CSEL304B	4	max 5 days	*	6.5	4.5	18.7	2133	9.1	max 5 days	*	4.9	3.4	11.3	2360	10.1	68	39	28	2.4	2262	16	18
CSEL304C	4	max 5 days	*	7.7	5.3	28.1	1885	8.0	max 5 days	*	6.3	4.3	16.9	2146	9.1	68	39	30	3.5	2262	16	20
CSEL305B	5	max 5 days	*	7.7	5.3	23.4	2666	10.2	max 5 days	*	6.0	4.1	14.1	2951	11.2	85	40	33	2.9	2762	16	20
CSEL305C	5	max 5 days	*	9.2	6.4	35.1	2356	9.0	max 5 days	*	7.7	5.3	21.1	2683	10.2	85	40	36	4.4	2762	16	22

Product denomination: CSE in combination with the Optigo range name stands for CS: Commercial air cooler – slim line, E: direct expansion for H(C)FC, design pressure 40 bar.

Capacities: SC1: R404A/R507A, t₀ = 0 °C, DT₁ = 10K. SC2: R404A/R507A, t₀ = -8 °C, DT₁ = 8K, lightly frosted coil.

Sound pressure values according to EN 13487 Lp(A) at 3 m.

Data in this table is subject to periodical updates, please check latest version on www.alfalaval.com/refrigeration.

* For noise level L choose an H version on previous page and connect it according to user manual for L duty.



Optigo CSX – Design pressure 80 bar

EC fans – noise level H		4 mm fin spacing							7 mm fin spacing							EC fan 230V/1/50-60Hz				Dimensions (mm)		
Cooler model CSX	No. of fans	Delivery time	Article no.	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Delivery time	Article no.	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Power consumption (W)	Sound pressure (dBa)	Weight (kg)	Internal volume (Litres)	Length	Connections	
				SC1 (kW)	SC2 (kW)						SC1 (kW)	SC2 (kW)									Inlet Ø	Suction Ø
CSXH201B	1	<4 weeks	3289058934	1.3	0.9	2.8	517	5.7	<4 weeks	3289055465	1.0	0.7	1.7	562	6.2	33	43	7	0.4	580	12	12
CSXH202B	2	<4 weeks	3289054095	2.6	1.8	5.6	1034	8.0	<4 weeks	3289056195	1.9	1.3	3.4	1123	8.7	66	46	14	0.6	1030	12	12
CSXH203B	3	<4 weeks	3289065983	3.8	2.6	8.4	1551	9.8	<4 weeks	3289054150	2.9	1.9	5.1	1685	10.7	99	48	21	0.9	1480	12	12
CSXH301B	1	<4 weeks	3289054503	2.1	1.4	4.7	767	6.5	<4 weeks	3289057503	1.5	1.0	2.8	852	7.3	35	42	12	0.6	762	12	12
CSXH301C	1	<4 weeks	3289054505	2.5	1.7	7.0	671	5.7	<4 weeks	3289053728	2.0	1.4	4.2	767	6.5	35	42	12	0.9	762	12	12
CSXH302B	2	<4 weeks	3289054105	4.2	2.8	9.4	1533	9.2	<4 weeks	3289053807	3.1	2.1	5.6	1705	10.3	70	45	16	1.1	1262	12	14
CSXH302C	2	<4 weeks	3289054501	4.9	3.4	14.0	1343	8.1	<4 weeks	3289053754	3.9	2.7	8.5	1533	9.2	70	45	18	1.6	1262	12	14
CSXH303B	3	<4 weeks	3289053650	6.1	4.2	14.0	2300	11.3	<4 weeks	3289053664	4.6	3.1	8.5	2557	12.6	105	47	21	1.5	1762	12	14
CSXH303C	3	<4 weeks	3289065403	7.4	5.1	21.1	2014	9.9	<4 weeks	3289053757	5.9	4.0	12.7	2300	11.3	105	47	24	2.3	1762	12	14
CSXH304B	4	<4 weeks	3289065984	8.2	5.6	18.7	3066	13.1	<4 weeks	3289065986	6.2	4.2	11.3	3410	14.5	140	48	27	2.0	2262	12	14
CSXH304C	4	<4 weeks	3289065985	10.0	6.9	28.1	2686	11.4	<4 weeks	3289053758	8.0	5.4	16.9	3067	13.1	140	48	29	3.0	2262	12	14
CSXH305B	5	<4 weeks	3289058936	10.4	7.1	23.4	3833	14.6	<4 weeks	3289065987	7.8	5.2	14.1	4262	16.2	175	49	32	2.4	2762	12	14
CSXH305C	5	<4 weeks	3289057356	12.4	8.5	35.1	3357	12.8	<4 weeks	3289054215	9.9	6.7	21.1	3833	14.6	175	49	35	3.7	2762	12	14

Product denomination: CSX in combination with the Optigo range name stands for CS: Commercial air cooler – slim line, X: direct expansion for CO₂, design pressure 80 bar.

Capacities: SC1: R744, t₀ = 0 °C, DT1 = 10K. SC2: R744, t₀ = -8 °C, DT1 = 8K, lightly frosted coil.

Sound pressure values according to EN 13487 Lp(A) at 3 m.

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Optigo CSX – Design pressure 80 bar

EC fans – noise level L		4 mm fin spacing							7 mm fin spacing							EC fan 230V/1/50-60Hz				Dimensions (mm)		
Cooler model CSX	No. of fans	Delivery time	Article no. *	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Delivery time	Article no. *	Capacities		Coil surface (m ²)	Air flow (m ³ /h)	Air throw (m)	Power consumption (W)	Sound pressure (dBa)	Weight (kg)	Internal volume (Litres)	Length	Connections	
				SC1 (kW)	SC2 (kW)						SC1 (kW)	SC2 (kW)									Inlet Ø	Suction Ø
CSXL201B	1	<4 weeks	*	1.1	0.8	2.8	379	4.2	<4 weeks	*	0.8	0.6	1.7	414	4.6	19	37	7	0.4	580	12	12
CSXL202B	2	<4 weeks	*	2.2	1.5	5.6	758	5.9	<4 weeks	*	1.6	1.1	3.4	829	6.4	38	40	14	0.6	1030	12	12
CSXL203B	3	<4 weeks	*	3.2	2.2	8.4	1138	7.2	<4 weeks	*	2.4	1.6	5.1	1243	7.9	57	42	21	0.9	1480	12	12
CSXL301B	1	<4 weeks	*	1.7	1.2	4.7	533	4.5	<4 weeks	*	1.3	0.9	2.8	590	5.0	17	33	12	0.6	762	12	12
CSXL301C	1	<4 weeks	*	2.0	1.4	7.0	471	4.0	<4 weeks	*	1.6	1.1	4.2	537	4.6	17	33	12	0.9	762	12	12
CSXL302B	2	<4 weeks	*	3.4	2.3	9.4	1066	6.4	<4 weeks	*	2.5	1.7	5.6	1180	7.1	34	36	16	1.1	1262	12	14
CSXL302C	2	<4 weeks	*	3.9	2.7	14.0	942	5.7	<4 weeks	*	3.2	2.2	8.5	1073	6.5	34	36	18	1.6	1262	12	14
CSXL303B	3	<4 weeks	*	5.0	3.4	14.0	1599	7.9	<4 weeks	*	3.7	2.5	8.5	1770	8.7	51	38	21	1.5	1762	12	14
CSXL303C	3	<4 weeks	*	5.8	4.0	21.1	1413	7.0	<4 weeks	*	4.7	3.2	12.7	1610	7.9	51	38	24	2.3	1762	12	14
CSXL304B	4	<4 weeks	*	6.7	4.6	18.7	2133	9.1	<4 weeks	*	5.0	3.4	11.3	2360	10.1	68	39	27	2.0	2262	12	14
CSXL304C	4	<4 weeks	*	7.9	5.4	28.1	1885	8.0	<4 weeks	*	6.4	4.3	16.9	2146	9.1	68	39	29	3.0	2262	12	14
CSXL305B	5	<4 weeks	*	8.4	5.8	23.4	2666	10.2	<4 weeks	*	6.3	4.3	14.1	2951	11.2	85	40	32	2.4	2762	12	14
CSXL305C	5	<4 weeks	*	9.8	6.7	35.1	2356	9.0	<4 weeks	*	7.9	5.4	21.1	2683	10.2	85	40	35	3.7	2762	12	14

Product denomination: CSX in combination with the Optigo range name stands for CS: Commercial air cooler – slim line, X: direct expansion for CO₂, design pressure 80 bar.

Capacities: SC1: R744, t₀ = 0 °C, DT1 = 10K. SC2: R744, t₀ = -8 °C, DT1 = 8K, lightly frosted coil.

Sound pressure values according to EN 13487 Lp(A) at 3 m.

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* For noise level L choose an H version on previous page and connect it according to user manual for L duty.



Brazed plate heat exchanger AC-30 / ACH-30

Model	Delivery time	Article no.	Capacity (kW)	Capacity (kW)	Capacity (kW)	Capacity (kW)	Dimension L x W x H (mm)	Weight (kg)
AC-30 Standard pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
AC-30-10EQ (H24,H23,B21)*	max 5 days	3288153696	1.6	3.0	1.8	2.2	48 x 95 x 325	2.3
AC-30-14EQ (H24,H23,B21)*	max 5 days	3288153697	2.3	4.4	2.7	3.3	54 x 95 x 325	2.7
AC-30-20EQ (H24,H23,B21)*	max 5 days	3288153698	3.3	6.4	4.0	5.0	63 x 95 x 325	3.2
AC-30-24EQ (H24,H23,B21)*	max 5 days	3288153699	3.9	7.6	4.9	6.1	69 x 95 x 325	3.5
AC-30-30EQ (H62,H23,B21)*	max 5 days	3288101016	4.8	9.5	6.3	7.8	79 x 95 x 325	4.0
AC-30-36EQ (H62,H23,B21)*	max 5 days	3288101017	5.8	11.4	7.7	9.5	88 x 95 x 325	4.6
AC-30-40EQ (H62,H23,B21)*	max 5 days	3288101018	6.5	12.7	8.6	10.5	94 x 95 x 325	5.0
AC-30-44EQ (H62,H23,B21)*	max 5 days	3288101019	7.1	14.0	9.5	11.8	100 x 95 x 325	5.3
AC-30-54EQ (H65,H41,B21)*	max 5 days	3288101403	8.8	17.0	11.8	14.5	115 x 95 x 325	6.2
AC-30-60EQ (H65,H41,B21)*	max 5 days	3288101404	9.8	18.8	13.0	16.2	124 x 95 x 325	6.7
AC-30-70EQ (H66,H41,B21)*	max 5 days	3288101405	11.0	21.3	15.5	19.0	139 x 95 x 325	7.6
AC-30-100EQ (H67,H41,B21)*	max 5 days	3288101408	13.5	26.2	22.0	27.5	185 x 95 x 325	9.8
ACH-30 High pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
ACH-30-20EQ (H62,H23,H23)**	max 5 days	3287108344	3.3	6.4	4.0	5.0	63 x 95 x 325	3.1
ACH-30-40EQ (H62,H23,H23)**	max 5 days	3288154174	6.5	12.7	8.6	10.5	94 x 95 x 325	4.9
ACH-30-60EQ (H65,H41,H23)**	max 5 days	3288154175	9.8	18.8	13.0	16.5	124 x 95 x 325	6.6
ACH-30-80EQ (H66,H41,H23)**	max 5 days	3288154176	12.2	23.3	17.5	22.0	155 x 95 x 325	8.4

Product denomination: AC stands for AlfaChill line 32 bar, ACH stands for AlfaChill high pressure line 45 bar, EQ stands for integrated refrigerant distribution system.

Direct expansion, R404A, evaporator temperature: -12 °C, 35% propylene glycol from -4 to -8 °C pressure drop max: 65 Kpa.

Direct expansion, R134a, evaporator temperature: +2 °C, water from 12 to 7 °C, pressure drop max: 50 Kpa.

Condenser, for R404A and R134a, condenser temperature: 45 °C, water from 37 to 42 °C, pressure drop max: 50 Kpa.

* Connections: S1/S2: BSP 1" external thread, S3: H24 (1/2") – H65 H66 H67 (5/8"), S4: H41 (1"1/8) – H23 (7/8") soldering.

** Connections high pressure all soldering: S1/S2: H23 (7/8") soldering, S3: H62 (1/2") – H65 H66 (5/8") soldering, S4: H23 (7/8") – H41 (1"1/8") soldering.



Index



Brazed plate heat exchanger AC-70 / ACH-70

Model	Delivery time	Article no.	Capacity (kW)	Capacity (kW)	Capacity (kW)	Capacity (kW)	Dimension L x W x H (mm)	Weight (kg)
AC-70 Standard pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
AC-70X-20M (H39,H21,B21)*	max 5 days	3287065787	5.0	13.0	7.4	9.0	81 x 111 x 526	6.3
AC-70X-30M (G65,H21,B21)*	max 5 days	3287065788	8.0	20.0	11.6	14.0	104 x 111 x 526	8.1
AC-70X-40M (G67,H21,B21)*	max 5 days	3287065789	10.8	26.4	16.0	19.0	127 x 111 x 526	9.9
AC-70X-50M (G67,H34,B32)*	max 5 days	3287065790	13.5	33.4	20.0	24.0	150 x 111 x 526	12.0
AC-70X-60M (G68,H34,B32)*	max 5 days	3287065791	16.3	39.2	24.5	29.0	173 x 111 x 526	13.8
AC-70X-70M (G68,H34,B32)*	max 5 days	3287065792	18.5	44.5	28.5	34.0	196 x 111 x 526	15.6
AC-70X-80M (N60,H34,B32)*	max 5 days	3287065793	20.5	49.0	33.0	39.0	219 x 111 x 526	17.4
AC-70X-100M (H30,H34,B32)*	max 5 days	3287065795	24.0	56.5	41.0	49.0	265 x 111 x 526	21.0
AC-70X-120M (H30,H34,B32)*	max 5 days	3287065797	25.5	61.5	50.0	59.0	311 x 111 x 526	24.6
ACH-70 High pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
ACH-70X-30H (G76,H34,H21)**	max 5 days	3287110945	8.3	18.5	13.8	16.5	104 x 111 x 526	8.0
ACH-70X-50H (G67,H34,H21)B**	max 5 days	3287065932	14.5	31.1	24.0	29.0	150 x 111 x 526	11.9
ACH-70X-70H (G68,H34,H21)B**	max 5 days	3287065933	20.2	42.3	34.0	41.0	196 x 111 x 526	15.5
ACH-70X-90H (N60,H34,H38)B**	max 5 days	3287065934	25.0	51.6	44.0	53.0	242 x 111 x 526	19.1
ACH-70X-110H (H30,H34,H38)B**	max 5 days	3287065935	28.5	59.0	54.0	65.0	288 x 111 x 526	21.9

Product denomination: AC stands for AlfaChill line 32 bar, ACH stands for AlfaChill high pressure line 45 bar, X stands for integrated refrigerant distribution system.

Direct expansion, R404A, evaporator temperature: -12 °C, 35% propylene glycol from -4 to -8 °C pressure drop max: 65 Kpa.

Direct expansion, R134a, evaporator temperature: +2 °C, water from 12 to 7 °C, pressure drop max: 50 Kpa.

Condenser, for R404A and R134a, condenser temperature: 45 °C, water from 37 to 42 °C, pressure drop max: 50 Kpa.

* Connections: S1/S2: external thread B32 (BSP 1"), B32 (BSP 1"1/4), S3: soldering H39 G65 G67 G68 (16.1 mm), N60 H30 (22.3 mm), S4: soldering H21 (1"1/8), H34 (1"3/8).

** Connections: S1/S2: soldering H21 (1"1/8), H38 (1"3/8), S3: soldering G67 G68 (16.1 mm), N60 H30 (22.3 mm), S4: soldering H34 (1"3/8).



Index



Brazed plate heat exchanger AC-220 / ACH-220

Model	Delivery time	Article no.	Capacity (kW)	Capacity (kW)	Capacity (kW)	Capacity (kW)	Dimension L x W x H (mm)	Weight (kg)
AC-220 Standard pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
AC-220EQ-36AM (H57,D21,B23)*	max 5 days	3287118771	23.0	40.0	35.0	43.0	137 x 191 x 616	20.2
AC-220EQ-42AM (L54,D21,B23)*	max 5 days	3287118772	27.0	47.0	42.0	50.0	149 x 191 x 616	22.3
AC-220EQ-50AM (L54,D21,B23)*	max 5 days	3287118773	33.0	57.0	50.0	60.0	166 x 191 x 616	25.4
AC-220EQ-60AM (L54,D21,B23)*	max 5 days	3287118774	40.0	67.0	60.0	70.0	186 x 191 x 616	28.9
AC-220EQ-76AM (L55,D21,B23)*	max 5 days	3287118775	50.0	84.0	75.0	90.0	219 x 191 x 616	34.5
AC-220EQ-94AM (L55,D21,B23)*	max 5 days	3287118776	62.0	100.0	115.0	97.0	256 x 191 x 616	40.8
AC-220EQ-110AM (L55,D21,B23)*	max 5 days	3287118778	70.0	-	135.0	115.0	289 x 191 x 616	46.3
ACH-220 High pressure			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
ACH-220EQ-42AM (L54,D21,B23)*	max 5 days	3287118790	27.0	47.0	42.0	50.0	153 x 191 x 616	23.9
ACH-220EQ-60AM (L54,D21,B23)*	max 5 days	3287118792	40.0	67.0	60.0	70.0	190 x 191 x 616	30.2
ACH-220EQ-76AM (L55,D21,B23)*	max 5 days	3287118794	50.0	84.0	75.0	90.0	223 x 191 x 616	35.8
ACH-220 High pressure all soldering			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
ACH-220EQ-36AM (L54,D21,D25)**	max 5 days	3287118798	23.0	40.0	35.0	43.0	131 x 191 x 616	21.0
ACH-220EQ-50AM (L54,D21,D25)**	max 5 days	3287118799	33.0	57.0	50.0	60.0	160 x 191 x 616	26.2
ACH-220EQ-68AM (L54,D21,D25)**	max 5 days	3287118800	45.0	76.0	70.0	85.0	197 x 191 x 616	32.4
ACH-220EQ-86AM (L55,D21,D21)**	max 5 days	3287118801	56.0	94.0	90.0	105.0	235 x 191 x 616	38.9
ACH-220EQ-102AM (L55,D21,D21)**	max 5 days	3287118802	65.0	-	105.0	125.0	268 x 191 x 616	44.5
ACH-220EQ-118AM (L56,D21,D21)**	max 5 days	3287118803	74.0	-	125.0	145.0	301 x 191 x 616	50.1

Product denomination: AC stands for AlfaChill line 32 bar, ACH stands for AlfaChill high pressure line 45 bar, EQ stands for integrated refrigerant distribution system.

Direct expansion, R404A, evaporator temperature: -12 °C, 35% propylene glycol from -4 to -8 °C pressure drop max: 65 Kpa.

Direct expansion, R134a, evaporator temperature: +2 °C, water from 12 to 7 °C, pressure drop max: 50 Kpa.

Condenser, for R404A and R134a, condenser temperature: 45 °C, water from 37 to 42 °C, pressure drop max: 50 Kpa.

* Connections: S1/S2: B23 BSP 2" external thread, S3: H56 H57 (7/8") – L54 L55 L56 (1"1/8), S4: D21 (2"1/8) soldering.

** Connections: S1/S2: D25 (42 mm) – D21 (2"1/8), S3: L54 L55 L63 (1"1/8), S4: D21 (2"1/8) soldering.





Brazed plate heat exchanger AC-500 / ACH-500 Single circuit

Model	Delivery time	Article no.	Capacity (kW)	Capacity (kW)	Capacity (kW)	Capacity (kW)	Dimension L x W x H (mm)	Weight (kg)
AC-500EQ Single circuit			Evaporator R404A	Evaporator R134a	Condenser R404A	Condenser R134a		
AC-500EQ-120H (M66, L35, C31)(P35-T1-T2)B*	max 5 days	3287076465	150.0	220.0	220.0	270.0	452 x 322 x 739	112.9
AC-500EQ-150H (M66, L35, C31)(P35-T1-T2)B*	max 5 days	3287076466	180.0	-	270.0	320.0	537 x 322 x 739	138.1
AC-500EQ-180H (M66, L35, C31)(P35-T1-T2)B*	max 5 days	3287076467	210.0	-	330.0	390.0	622 x 322 x 739	163.3

Product denomination: AC stands for AlfaChill line 32 bar, ACH stands for AlfaChill high pressure line 45 bar, EQ stands for integrated refrigerant distribution system.

Direct expansion, R404A, evaporator temperature: -12 °C, 35% propylene glycol from -4 to -8 °C pressure drop max: 65 Kpa.

Direct expansion, R134a, evaporator temperature: +2 °C, water from 12 to 7 °C, pressure drop max: 50 Kpa.

Condenser, for R404A and R134a, condenser temperature: 45 °C, water from 37 to 42 °C, pressure drop max: 50 Kpa.

* Front connections: S1/S2: internal thread C31 (FBSP 1/2"), S3: soldering M66-M65-M64 (42.2 mm), S4: soldering L33 (2"5/8), L35 (3"1/8). Rear connections: T1/T2: Victaulic clamp P35 (3").



CDEW Shell-and-tube condensers

Model	Delivery time	Article no.	Capacity (kW) R404A	Dimensions (mm) L x Ø	Weight (kg)
CDEW-60 T	<2 weeks	10059400	55	1500 x 168	83
CDEW-80 T	<2 weeks	10059401	75	1500 x 168	86
CDEW-100 T	<2 weeks	10059402	100	1500 x 168	90
CDEW-120 T	<2 weeks	10059403	120	1500 x 168	93
CDEW-135 T	<2 weeks	10059404	135	1500 x 168	113
CDEW-165 T	<2 weeks	10059405	165	1740 x 194	133
CDEW-190 T	<2 weeks	10059406	190	1740 x 194	136
CDEW-215 T	<2 weeks	10059407	215	1740 x 194	139
CDEW-240 T	<4 weeks	10059408	240	1940 x 194	149
CDEW-260 T	<4 weeks	10059409	260	1970 x 273	235
CDEW-300 T	<4 weeks	10059410	300	1970 x 273	243
CDEW-360 T	<4 weeks	10059411	360	1970 x 273	255
CDEW-400 T	<4 weeks	10059412	400	1970 x 273	262
CDEW-450 T	<4 weeks	10059413	450	1970 x 273	267
CDEW-470 T	<4 weeks	10059414	470	1980 x 324	335
CDEW-520 T	<4 weeks	10059415	520	1980 x 324	345
CDEW-550 T	<4 weeks	10059416	550	1980 x 324	335
CDEW-610 T	<4 weeks	10059417	610	1980 x 406	491
CDEW-680 T	<4 weeks	10059418	680	1980 x 406	502
CDEW-760 T	<4 weeks	10059419	760	1980 x 406	517
CDEW-840 T	<4 weeks	10059420	840	1980 x 406	532

Model	Delivery time	Article no.	Capacity (kW) R404A	Dimensions (mm) L x Ø	Weight (kg)
CDEW-900 T	<5 weeks	10059421	900	2167 x 457	657
CDEW-940 T	<5 weeks	10059422	940	2167 x 457	668
CDEW-1040 T	<5 weeks	10059423	1040	2167 x 457	687
CDEW-1100 T	<5 weeks	10059424	1100	2194 x 508	796
CDEW-1220 T	<5 weeks	10059425	1220	2194 x 508	810
CDEW-1360 T	<5 weeks	10059426	1360	2194 x 508	833
CDEW-1520 T	<5 weeks	10059427	1520	2196 x 558	973
CDEW-1680 T	<5 weeks	10060472	1680	2196 x 558	1003

Product denomination: CDEW stands for Condenser line for fresh water applications.

All products are CE approved.

Two water passes version.

Refrigerant R404A.

Water inlet temperature = 29.4 °C.

Inlet refrigerant temperature = 85 °C; condensing temperature = 40 °C; subcooling = 3 K.

Fouling factor = 0.000043 m² K/W.

Shell material: carbon steel. Tubes material: copper.

Water pressure drop: max 50 kPa.

Packaging is included in weight.

For exact delivery times contact your Alfa Laval Partner.



Index



CDEW-E Shell-and-tube condensers

Model	Delivery time	Article no.	Capacity (kW) R134a	Dimensions (mm) L x Ø	Weight (kg)
CDEW-E155 T	<4 weeks	10060092	155	2540 x 194	199
CDEW-E170 T	<4 weeks	10060093	168	2540 x 194	204
CDEW-E185 T	<4 weeks	10060094	183	2540 x 194	209
CDEW-E215 T	<4 weeks	10060087	215	2570 x 273	302
CDEW-E260 T	<4 weeks	10060088	260	2570 x 273	316
CDEW-E315 T	<4 weeks	10060089	315	2570 x 273	332
CDEW-E350 T	<4 weeks	10060090	350	2570 x 273	341
CDEW-E370 T	<4 weeks	10060091	370	2570 x 273	348
CDEW-E395 T	<4 weeks	10060084	395	2580 x 324	436
CDEW-E440 T	<4 weeks	10060085	440	2580 x 324	450
CDEW-E480 T	<4 weeks	10060086	480	2580 x 324	462
CDEW-E520 T	<4 weeks	10060080	520	2580 x 406	643
CDEW-E570 T	<4 weeks	10060081	570	2580 x 406	658
CDEW-E640 T	<4 weeks	10060082	640	2580 x 406	678
CDEW-E705 T	<4 weeks	10060083	705	2580 x 406	698

Product denomination: CDEW-E stands for Condenser line for fresh water applications optimised for R314a.

All products are CE approved.

Two water passes version.

Refrigerant R134a.

Water inlet temperature = 29.4 °C.

Inlet refrigerant temperature = 85 °C; condensing temperature = 37.5 °C; subcooling = 3 K.

Fouling factor = 0.000043 m² K/W.

Shell material: carbon steel. Tubes material: copper.

Water pressure drop: max 50 kPa.

Packaging is included in weight.

For exact delivery times contact your Alfa Laval Partner.



CXP Shell-and-tube condensers

Model	Delivery time	Article no.	Capacity (kW) R404A	Dimensions (mm) L x Ø	Weight (kg)
CXP 111-XXS-4P	<2 weeks	3287220023	8	569 x 114	33
CXP 112-XXS-4P	<2 weeks	3287220024	13	569 x 114	34
CXP 113-XXS-4P	<2 weeks	3287220025	17	569 x 114	35
CXP 111-XS-2P	<2 weeks	3287220005	19	973 x 114	38
CXP 112-XS-2P	<2 weeks	3287220004	25	973 x 114	39
CXP 113-XS-2P	<2 weeks	3287220002	32	973 x 114	41
CXP 142-XS-2P	<2 weeks	3287220007	42	981 x 141	57
CXP 143-XS-2P	<2 weeks	3287220010	52	981 x 141	58
CXP 144-XS-2P	<2 weeks	3287220011	60	981 x 141	60
CXP 142-S-2P	<2 weeks	3287220000	67	1381 x 141	72
CXP 143-S-2P	<2 weeks	3287220012	75	1381 x 141	75
CXP 144-S-2P	<2 weeks	3287220013	85	1381 x 141	77
CXP 161-S-2P	<4 weeks	3287220014	105	1396 x 168	90
CXP 162-S-2P	<4 weeks	3287220009	115	1396 x 168	92
CXP 163-S-2P	<4 weeks	3287220001	125	1396 x 168	94
CXP 161-M-1P	<4 weeks	3287220015	166	1906 x 168	110
CXP 162-M-1P	<4 weeks	3287220016	185	1907 x 168	114
CXP 163-M-1P	<4 weeks	3287220017	205	1908 x 168	117

Product denomination: CXP stands for Condenser Extra Performance.

All products are CE approved.

1P = one water pass, 2P = two water passes, 4P = four water passes.

Refrigerant R404A.

Water inlet temperature = 30 °C.

Inlet refrigerant temperature = 85 °C; condensing temperature 40 °C; subcooling 3 K.

Fouling factor 0.000043 m² K/W.

Shell material: carbon steel. Tubes material: copper.

Water pressure drop: max 50 kPa.

Packaging is included in weight.

For exact delivery times contact your Alfa Laval Partner.



Dryplus-3 Shell-and-tube evaporators 2 refrigerant passes

Model	Delivery time	Article no. Evaporator	Article no. Optional brackets	Capacity (kW) R407C	Dimensions (mm) L x Ø	Weight (kg)
DXS 18	<2 weeks	3287200121	10099200	19	887 x 140	53
DXS 28	<2 weeks	3287200122	10099200	28	1037 x 140	62
DXS 35	<2 weeks	3287200123	10099200	35	1257 x 140	67
DXS 47	<2 weeks	3287200124	10099200	47	1407 x 140	70
DXS 56	<2 weeks	3287200125	10099201	56	1281 x 168	92
DXS 65	<2 weeks	3287200126	10099201	65	1431 x 168	97
DXS 80	<2 weeks	3287200127	10099201	80	1631 x 168	105
DXS 95	<2 weeks	3287200128	10099201	95	1781 x 168	109
DXS 120	<2 weeks	3287200129	10099202	120	1815 x 194	135
DXS 135	<2 weeks	3287200130	10099202	135	2115 x 194	150
DXS 165	<2 weeks	3287200131	10099202	165	2315 x 194	165
DXS 200	<2 weeks	3287200048	10099203	200	2320 x 219	200
DXS 240	<2 weeks	3287200049	10099203	240	2620 x 219	215
DXS 300	<4 weeks	3287200050	10099204	300	2654 x 273	325
DXS 345	<4 weeks	3287200051	10099204	345	2654 x 273	325
DXS 385	<4 weeks	3287200067	10099204	385	2654 x 273	350
DXS 450	<4 weeks	3287200052	10099205	450	2697 x 324	440
DXS 505	<4 weeks	3287200053	10099205	505	2697 x 324	455
DXS 570	<4 weeks	3287200054	10099205	570	2697 x 324	480

Model	Delivery time	Article no. Evaporator	Article no. Optional brackets	Capacity (kW) R407C	Dimensions (mm) L x Ø	Weight (kg)
DXD 660	<4 weeks	3287200055	10099206	660	2744 x 406	655
DXD 770	<4 weeks	3287200056	10099206	770	2744 x 406	685
DXD 915	<4 weeks	3287200057	10099206	915	2744 x 406	725
DXD 1000	<4 weeks	3287200058	10099206	1000	3244 x 406	815
DXS 160R	<4 weeks	3287200247	10099203	160	1820 x 219	190
DXS 210R	<4 weeks	3287200060	10099203	210	1820 x 219	255
DXS 235R	<4 weeks	3287200061	10099204	235	1850 x 273	270
DXS 275R	<4 weeks	3287200062	10099204	275	1850 x 273	285
DXS 390R	<4 weeks	3287200063	10099205	390	2180 x 324	360
DXS 420R	<4 weeks	3287200064	10099205	420	2180 x 324	380
DXS 480R	<4 weeks	3287200065	10099205	480	2180 x 324	400

Product denomination: Dryplus-3 stands for dry expansion evaporators.
 All products are CE approved.
 Water connection TOP side.
 DXS = 1 refrigerant circuit, DXD = 2 refrigerant circuits.
 Refrigerant R407C.
 Water inlet temperature = 12 °C; Water outlet temperature = 7 °C.
 Evaporation temperature = 2.75 °C; superheating = 5 K.
 Shell material: carbon steel. Tubes material: copper.
 Water pressure drop: max 50 kPa (except for DXD915 and 1000).
 Packaging is included in weight.
 For exact delivery times contact your Alfa Laval Partner.



Pure Cooler Shell-and-tube evaporators 1 refrigerant pass

Model	Delivery time	Article no. Evaporator	Article no. Optional bracket	Capacity (kW) R134a	Dimensions (mm) L x Ø	Weight (kg)
PCS226-1 HE	<4 weeks	3287200132	10099203	165	2338 x 219	228
PCS227-1 HE	<4 weeks	3287200133	10099203	205	2338 x 219	235
PCS227-2 HE	<4 weeks	3287200134	10099203	255	2888 x 219	264
PCS276-2 HE	<4 weeks	3287200135	10099204	325	2888 x 273	381
PCS277-2 HE	<4 weeks	3287200136	10099204	375	2888 x 273	391
PCS326-2 HE	<4 weeks	3287200137	10099205	445	2918 x 324	512
PCS327-2 HE	<4 weeks	3287200138	10099205	480	2918 x 324	525
PCS328-2 HE	<4 weeks	3287200139	10099205	570	2918 x 324	537
PCS416-2 HE	<4 weeks	3287200140	10099206	635	2928 x 406	747
PCS417-2 HE	<4 weeks	3287200141	10099206	705	2928 x 406	767
PCS418-2 HE	<4 weeks	3287200142	10099206	775	2928 x 406	783
PCS419-2 HE	<4 weeks	3287200143	10099206	840	2928 x 406	798
PCD226-1 HE	<4 weeks	3287200144	10099203	165	2338 x 219	228
PCD227-1 HE	<4 weeks	3287200145	10099203	200	2339 x 219	235
PCD227-2 HE	<4 weeks	3287200146	10099203	260	2888 x 219	264
PCD276-2 HE	<4 weeks	3287200147	10099204	310	2888 x 273	381
PCD277-2 HE	<4 weeks	3287200148	10099204	355	2888 x 273	391
PCD326-2 HE	<4 weeks	3287200149	10099205	440	2918 x 324	512
PCD327-2 HE	<4 weeks	3287200150	10099205	500	2918 x 324	525
PCD328-2 HE	<4 weeks	3287200151	10099205	550	2918 x 324	537

Model	Delivery time	Article no. Evaporator	Article no. Optional bracket	Capacity (kW) R134a	Dimensions (mm) L x Ø	Weight (kg)
PCD416-2 HE	<4 weeks	3287200152	10099206	635	2928 x 406	747
PCD417-2 HE	<4 weeks	3287200153	10099206	705	2928 x 406	767
PCD418-2 HE	<4 weeks	3287200154	10099206	775	2928 x 406	783
PCD419-2 HE	<4 weeks	3287200155	10099206	845	2928 x 406	798
PCD416-3 HE	<4 weeks	3287200156	10099206	700	3498 x 406	817
PCD417-3 HE	<4 weeks	3287200157	10099206	785	3498 x 406	841
PCD418-3 HE	<4 weeks	3287200158	10099206	860	3498 x 406	859
PCD419-3 HE	<4 weeks	3287200159	10099206	935	3498 x 406	877

Product denomination: Pure Cooler stands for dry expansion evaporators specially for R134a high efficiency.

All products are CE approved.

PCS = 1 refrigerant circuit, PCD = 2 refrigerant circuits.

Refrigerant R134a.

Water inlet temperature = 12 °C; Water outlet temperature = 7 °C.

Evaporation temperature = 2.75 °C; superheating = 5 K.

Shell material: carbon steel. Tubes material: copper.

Water pressure drop: max 70 kPa.

Packaging is included in weight.

For exact delivery times contact your Alfa Laval Partner.



Index



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com



www.alfalaval.com/refrigeration

Index



Other pressure vessel approvals are available upon request.



Alfa Laval partner:



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