

Air Cooled Chiller

EuroScrew 360-1300 Air CO



366-1.320 kW



Shell & Tube



134a



Air cooled



Screw

Technical features

- 19 sizes
- Cooling capacity from 366 to 1.320 kW
- 3 acoustic versions:
 - - (Basic Low Noise)
 - L (Low Noise)
 - S (Super Low Noise)
- Two refrigerant circuits
- Screw compressors
- Valvola di espansione elettronica
- "Brine" version for process application LWT-8°C
- "Polar" Version for air temperature -18°C
- E-Coating coil treatment as standard

Accessories and options

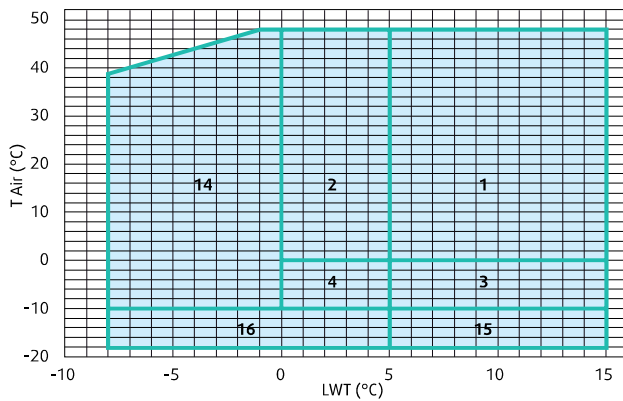
- Automatic circuit breaker
- BMS interface
- Coils treatments
- Compressors acoustic box (standard)
- Compressors stepless control
- Desuperheater and total heat recovery
- Fan speed control
- Hydrokit with 1 or 2 pumps with or without buffer tank
- Mechanical gauges
- Power factor corrector capacitors
- Sequence phases control (standard)
- Sofstart
- Unit protection grilles
- Water filter
- Water flow switch



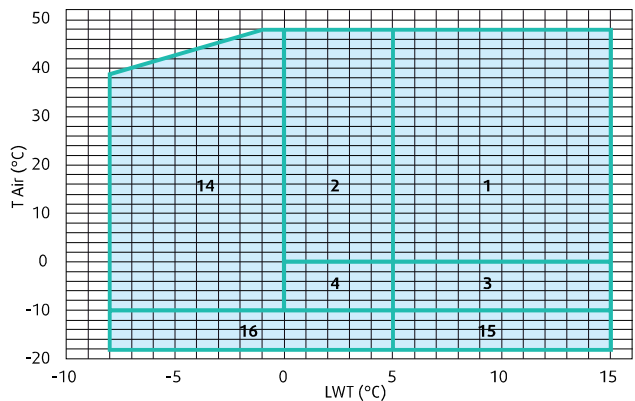
Operating limit (to be confirmed following selection software issue)

EuroScrew 360-1300 Air CO			from 360 to 1300	
			Min	Max
Leaving water temperature	Water	°C	from +5 to +15	
	Water + glycol	°C	from 0 to +15	
	Water + glycol (Brine Version)	°C	from -8 to +15	
	Δ T	K	from 3 to 8	
Air temperature	-	°C	from 0 to +48	
	L	°C	from 0 to +46	
	S	°C	from -10 to +42	
	HT	°C	from -10 to +50	
	Minimum Air temperature Polar Version	°C	-18	
External static pressure	Standard fans	Pa	0	
	Inverter fans	Pa	< 120	

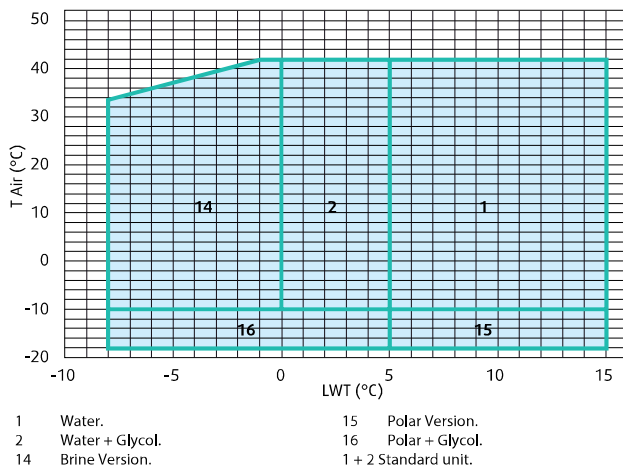
STD version



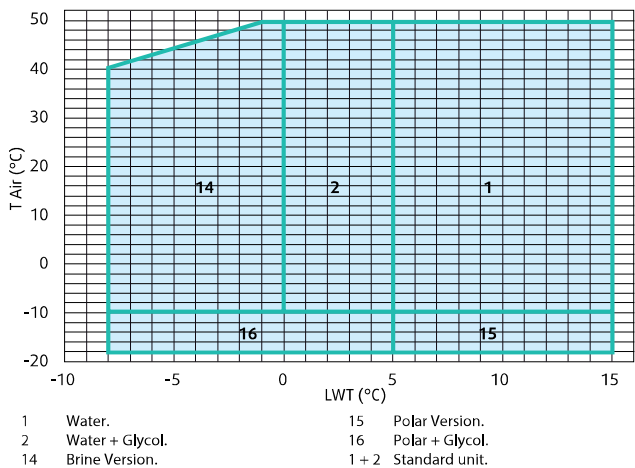
L version



S version



HT version



EUROCLIMATIC

Technical feature

EuroScrew 360-580 Air CO (STD)		360	410	450	480	500	540	580
Cooling capacity ¹	kW	365	413	445	480	505	540	575
Power input ¹	kW	134,4	151,5	167,7	176,3	184,1	198,6	212,5
EER ¹		2,71	2,73	2,65	2,72	2,74	2,72	2,70
Energy efficiency class		C	C	D	C	C	C	C
ESEER		3,15	3,16	3,18	3,27	3,18	3,26	3,14
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Part Winding						Y/Δ
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	63,0	71,3	76,8	82,9	87,0	93,1	99,1
Water pressure drop	kPa	57,3	39,0	45,3	52,4	31,8	36,3	40,4
Inlet/outlet diameter	inch	5"	6"	6"	6"	6"	6"	6"
Condenser								
Qty		6	8	8	8	8	9	10
Type		MCHX - Al/Alloy						
Fan								
Qty		6	8	8	8	8	9	10
Air flow	m³/s	38,3	51,1	51,1	51,1	51,1	57,5	63,9
Power input	kW	12,6	16,8	16,8	16,8	16,8	18,9	21,0
Weight								
Shipping	kg	3.200	3.520	3.830	4.140	4.170	4.400	4.660
Operating	kg	3.300	3.670	3.990	4.290	4.320	4.550	4.800
Dimensions								
Length	mm	4.600	4.600	4.600	4.600	4.600	5.700	6.700
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	96	97	97	97	97	98	98
Sound pressure level at 10 m³	dB(A)	64	65	65	65	65	66	65

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.

Technical feature

EuroScrew 650-1000 Air CO (STD)		650	720	800	850	910	970	1000
Cooling capacity ¹	kW	652	713	794	851	909	971	1.008
Power input ¹	kW	236,8	253,4	275,7	298,9	320,2	340,5	350,7
EER ¹		2,75	2,81	2,88	2,85	2,84	2,85	2,87
Energy efficiency class		C	C	C	C	C	C	C
ESEER		3,19	3,38	3,45	3,42	3,29	3,42	3,33
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Y/Δ						
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	112,4	123,0	137,0	147,0	157,0	167,6	174,1
Water pressure drop	kPa	30,4	36,2	46,5	53,4	60,2	55,4	60,2
Inlet/outlet diameter	inch	6"	6"	8"	8"	8"	8"	8"
Condenser								
Qty		12	12	12	14	14	15	16
Type		MCHX - Al/Alloy						
Fan								
Qty		12	12	12	14	14	15	16
Air flow	m³/s	76,7	76,7	76,7	89,4	89,4	95,8	102,2
Power input	kW	25,2	25,2	25,2	29,4	29,4	31,5	33,6
Weight								
Shipping	kg	5.080	5.500	5.990	6.510	6.600	6.810	6.900
Operating	kg	5.330	5.760	6.220	6.750	6.830	7.090	7.180
Dimensions								
Length	mm	6.700	6.700	6.700	8.800	8.800	8.800	8.800
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	99	99	99	100	100	100	100
Sound pressure level at 10 m³	dB(A)	66	66	66	67	67	67	67

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.

Technical feature

EuroScrew 1070-1300 Air CO (STD)		1070	1130	1170	1200	1300
Cooling capacity ¹	kW	1.071	1.132	1.172	1.218	1.316
Power input ¹	kW	371,8	391,8	410,5	431,2	465,9
EER ¹		2,88	2,89	2,85	2,82	2,82
Energy efficiency class		C	C	C	C	C
ESEER		3,46	3,35	3,43	3,28	3,28
Refrigerant						
Type		HFC 134a				
Number of refrigerant circuits		2	2	2	2	2
Compressor						
Qty		2				
Type		Screw				
Part load steps	%	25-50-62-75-87-100				
Power supply		400V/3/50Hz				
Start-up type		Y/Δ				
Evaporator						
Qty		1	1	1	1	1
Type		Shell & Tube				
Water flow rate	m³/h	184,7	195,3	202,1	210,0	227,0
Water pressure drop	kPa	30,7	34,3	35,1	37,9	43,9
Inlet/outlet diameter	inch	8"	8"	8"	8"	10"
Condenser						
Qty		17	18	19	20	22
Type		MCHX - Al/Alloy				
Fan						
Qty		17	18	19	20	22
Air flow	m³/s	108,6	115,0	121,4	127,8	140,6
Power input	kW	35,7	37,8	39,9	42,0	46,2
Weight						
Shipping	kg	7.490	7.760	7.970	8.180	8.570
Operating	kg	7.880	8.150	8.350	8.560	8.940
Dimensions						
Length	mm	9.900	10.900	10.900	10.900	12.000
Width	mm	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550
Acoustical data						
Sound power level ²	dB(A)	100	101	101	101	102
Sound pressure level at 10 m³	dB(A)	67	68	68	68	69

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Technical feature

EuroScrew 360-580 Air CO L		360	410	450	480	500	540	580
Cooling capacity ¹	kW	357	405	436	470	495	529	563
Power input ¹	kW	133,4	149,2	166,0	174,9	183,0	197,1	210,5
EER ¹		2,68	2,72	2,63	2,69	2,70	2,68	2,68
Energy efficiency class		D	C	D	D	C	D	D
ESEER		3,32	3,37	3,37	3,45	3,35	3,45	3,32
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Part Winding						Y/Δ
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	61,7	69,9	75,3	81,2	85,3	91,2	97,2
Water pressure drop	kPa	55,1	37,5	43,5	50,4	30,5	34,8	38,8
Inlet/outlet diameter	inch	5"	6"	6"	6"	6"	6"	6"
Condenser								
Qty		6	8	8	8	8	9	10
Type		MCHX - Al/Alloy						
Fan								
Qty		6	8	8	8	8	9	10
Air flow	m³/s	31,8	42,4	42,4	42,4	42,4	47,8	53,1
Power input	kW	6,9	9,2	9,2	9,2	9,2	10,4	11,5
Weight								
Shipping	kg	3.200	3.520	3.830	4.140	4.170	4.400	4.660
Operating	kg	3.300	3.670	3.990	4.290	4.320	4.550	4.800
Dimensions								
Length	mm	4.600	4.600	4.600	4.600	4.600	5.700	6.700
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	90	91	91	91	91	92	92
Sound pressure level at 10 m³	dB(A)	58	59	59	59	59	60	59

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Technical feature

EuroScrew 650-1000 Air CO L		650	720	800	850	910	970	1000
Cooling capacity ¹	kW	639	699	778	835	891	952	988
Power input ¹	kW	233,7	250,9	272,0	296,0	318,2	338,2	347,8
EER ¹		2,73	2,78	2,86	2,82	2,80	2,81	2,84
Energy efficiency class		C	C	C	C	C	C	C
ESEER		3,39	3,58	3,67	3,62	3,48	3,61	3,52
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Tipo		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Y/Δ						
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	110,1	120,5	134,2	144,1	153,9	164,3	170,6
Water pressure drop	kPa	29,2	34,8	44,7	51,3	57,8	53,2	57,8
Inlet/outlet diameter	inch	6"	6"	8"	8"	8"	8"	8"
Condenser								
Qty		12	12	12	14	14	15	16
Type		MCHX - Al/Alloy						
Fan								
Qty		12	12	12	14	14	15	16
Air flow	m³/s	63,7	63,7	63,7	74,3	74,3	79,6	84,9
Power input	kW	13,8	13,8	13,8	16,1	16,1	17,3	18,4
Weight								
Shipping	kg	5.080	5.500	5.990	6.510	6.600	6.810	6.900
Operating	kg	5.330	5.760	6.220	6.750	6.830	7.090	7.180
Dimensions								
Length	mm	6.700	6.700	6.700	8.800	8.800	8.800	8.800
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	93	93	93	94	94	94	94
Sound pressure level at 10 m³	dB(A)	60	60	60	61	61	61	61

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Technical feature

EuroScrew 1070-1300 Air CO L		1070	1130	1170	1200	1300
Cooling capacity ¹	kW	1.050	1.110	1.148	1.193	1.290
Power input ¹	kW	368,8	388,6	407,0	427,4	461,4
EER ¹		2,85	2,86	2,82	2,79	2,80
Energy efficiency class		C	C	C	C	C
ESEER		3,65	3,54	3,62	3,46	3,47
Refrigerant						
Type		HFC 134a				
Number of refrigerant circuits		2	2	2	2	2
Compressor						
Qty		2				
Type		Screw				
Part load steps	%	25-50-62-75-87-100				
Power supply		400V/3/50Hz				
Start-up type		Y/Δ				
Evaporator						
Qty		1				
Type		Shell & Tube				
Water flow rate	m³/h	181,0	191,3	198,0	205,8	222,5
Water pressure drop	kPa	29,5	32,9	33,7	36,4	42,2
Inlet/outlet diameter	inch	8"	8"	8"	8"	10"
Condenser						
Qty		17	18	19	20	22
Type		MCHX - Al/Alloy				
Fan						
Qty		17	18	19	20	22
Air flow	m³/s	90,2	95,5	100,8	106,1	116,7
Power input	kW	19,6	20,7	21,9	23,0	25,3
Weight						
Shipping	kg	7.490	7.760	7.970	8.180	8.570
Operating	kg	7.880	8.150	8.350	8.560	8.940
Dimensions						
Length	mm	9.900	10.900	10.900	10.900	12.000
Width	mm	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550
Acoustical data						
Sound power level ²	dB(A)	94	95	95	95	96
Sound pressure level at 10 m³	dB(A)	61	62	62	62	63

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Technical feature

EuroScrew 360-580 Air CO S		360	410	450	480	500	540	580
Cooling capacity ¹	kW	339	385	414	446	469	502	535
Power input ¹	kW	140,4	157,0	174,7	184,1	192,8	207,6	221,6
EER ¹		2,42	2,45	2,37	2,43	2,43	2,42	2,41
Energy efficiency class		E	E	E	E	E	E	E
ESEER		3,14	3,18	3,18	3,26	3,16	3,25	3,13
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Part Winding						Y/Δ
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	58,6	66,3	71,4	77,1	80,9	86,6	92,2
Water pressure drop	kPa	49,6	33,8	39,2	45,4	27,5	31,4	35,0
Inlet/outlet diameter	inch	5"	6"	6"	6"	6"	6"	6"
Condenser								
Qty		6	8	8	8	8	9	10
Type		MCHX - Al/Alloy						
Fan								
Qty		6	8	8	8	8	9	10
Air flow	m³/s	25,8	34,4	34,4	34,4	34,4	38,6	43,1
Power input	kW	6,9	9,2	9,2	9,2	9,2	10,4	11,5
Weight								
Shipping	kg	3.280	3.600	3.920	4.230	4.260	4.490	4.760
Operating	kg	3.380	3.760	4.080	4.390	4.410	4.640	4.900
Dimensions								
Length	mm	4.600	4.600	4.600	4.600	4.600	5.700	6.700
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	86	87	87	87	87	88	88
Sound pressure level at 10 m³	dB(A)	54	55	55	55	55	56	55

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Technical feature

EuroScrew 650-1000 Air CO S		650	720	800	850	910	970	1000
Cooling capacity ¹	kW	606	663	738	792	846	903	938
Power input ¹	kW	246,1	264,3	286,3	311,6	335,0	356,1	366,0
EER ¹		2,46	2,51	2,58	2,54	2,53	2,54	2,56
Energy efficiency class		E	D	D	D	D	D	D
ESEER		3,20	3,37	3,47	3,42	3,28	3,41	3,33
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Y/Δ						
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	104,5	114,4	127,4	136,7	146,0	155,9	161,9
Water pressure drop	kPa	26,3	31,3	40,2	46,2	52,0	47,9	52,0
Inlet/outlet diameter	inch	6"	6"	8"	8"	8"	8"	8"
Condenser								
Qty		12	12	12	14	14	15	16
Type		MCHX - Al/Alloy						
Fan								
Qty		12	12	12	14	14	15	16
Air flow	m³/s	51,7	51,7	51,7	60,3	60,3	64,6	68,9
Power input	kW	13,8	13,8	13,8	16,1	16,1	17,3	18,4
Weight								
Shipping	kg	5.180	5.600	6.090	6.620	6.700	6.920	7.010
Operating	kg	5.430	5.860	6.320	6.850	6.930	7.190	7.280
Dimensions								
Length	mm	6.700	6.700	6.700	8.800	8.800	8.800	8.800
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	89	89	89	89	90	90	90
Sound pressure level at 10 m³	dB(A)	56	56	56	56	57	57	57

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Technical feature

EuroScrew Air 1070-1300 Air CO S		1070	1130	1170	1200	1300
Cooling capacity ¹	kW	996	1.053	1.090	1.133	1.224
Power input ¹	kW	388,5	409,3	428,7	450,2	485,8
EER ¹		2,56	2,57	2,54	2,52	2,52
Energy efficiency class		D	D	D	D	D
ESEER		3,45	3,34	3,42	3,27	3,27
Refrigerant						
Type		HFC 134a				
Number of refrigerant circuits		2	2	2	2	2
Compressor						
Qty		2				
Type		Screw				
Part load steps	%	25-50-62-75-87-100				
Power supply		400V/3/50Hz				
Start-up type		Y/Δ				
Evaporator						
Qty		1				
Type		Shell & Tube				
Water flow rate	m³/h	171,7	181,6	187,9	195,3	211,1
Water pressure drop	kPa	26,6	29,6	30,3	32,8	38,0
Inlet/outlet diameter	inch	8"	8"	8"	8"	10"
Condenser						
Qty		17	18	19	20	22
Type		MCHX - Al/Alloy				
Fan						
Qty		17	18	19	20	22
Air flow	m³/s	73,2	77,5	81,8	86,1	94,7
Power input	kW	19,6	20,7	21,9	23,0	25,3
Weight						
Shipping	kg	7.590	7.860	8.070	8.280	8.670
Operating	kg	7.980	8.250	8.450	8.660	9.040
Dimensions						
Length	mm	9.900	10.900	10.900	10.900	12.000
Width	mm	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550
Acoustical data						
Sound power level ²	dB(A)	90	91	91	91	92
Sound pressure level at 10 m³	dB(A)	57	58	58	58	59

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.

Technical feature

EuroScrew 360-580 Air CO HT		360	410	450	480	500	540	580
Cooling capacity ¹	kW	372	422	454	489	515	550	586
Power input ¹	kW	138,1	156,9	172,8	181,2	188,8	204,1	218,8
EER ¹		2,69	2,69	2,63	2,70	2,73	2,70	2,68
Energy efficiency class		D	D	D	C	C	D	D
ESEER		3,12	3,12	3,15	3,24	3,16	3,24	3,11
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Part Winding						Y/Δ
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	64,3	72,8	78,4	84,5	88,8	94,9	101,1
Water pressure drop	kPa	59,7	40,6	47,2	54,6	33,1	37,7	42,0
Inlet/outlet diameter	inch	5"	6"	6"	6"	6"	6"	6"
Condenser								
Qty		6	8	8	8	8	9	10
Type		MCHX - Al/Alloy						
Fan								
Qty		6	8	8	8	8	9	10
Air flow	m³/s	46,8	62,4	62,4	62,4	62,4	70,3	78,1
Power input	kW	18,6	24,8	24,8	24,8	24,8	27,9	31,0
Weight								
Shipping	kg	3.200	3.520	3.830	4.140	4.170	4.400	4.660
Operating	kg	3.300	3.670	3.990	4.290	4.320	4.550	4.800
Dimensions								
Length	mm	4.600	4.600	4.600	4600	4.600	5.700	6700
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	102	103	103	103	103	104	104
Sound pressure level at 10 m³	dB(A)	70	71	71	71	71	72	71

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.

Technical feature

EuroScrew 650-1000 Air CO HT		650	720	800	850	910	970	1000
Cooling capacity ¹	kW	665	727	809	868	927	990	1.028
Power input ¹	kW	244,7	261,0	285,0	307,7	328,7	349,6	360,6
EER ¹		2,72	2,79	2,84	2,82	2,82	2,83	2,85
Energy efficiency class		C	C	C	C	C	C	C
ESEER		3,15	3,34	3,41	3,39	3,27	3,40	3,31
Refrigerant								
Type		HFC 134a						
Number of refrigerant circuits		2	2	2	2	2	2	2
Compressor								
Qty		2						
Type		Screw						
Part load steps	%	25-50-62-75-87-100						
Power supply		400V/3/50Hz						
Start-up type		Y/Δ						
Evaporator								
Qty		1						
Type		Shell & Tube						
Water flow rate	m³/h	114,6	125,4	139,7	149,9	160,2	171,0	177,5
Water pressure drop	kPa	31,6	37,7	48,4	55,5	62,6	57,7	62,6
Inlet/outlet diameter	inch	6"	6"	8"	8"	8"	8"	8"
Condenser								
Qty		12	12	12	14	14	15	16
Type		MCHX - Al/Alloy						
Fan								
Qty		12	12	12	14	14	15	16
Air flow	m³/s	93,7	93,7	93,7	109,3	109,3	117,1	124,9
Power input	kW	37,2	37,2	37,2	43,4	43,4	46,5	49,6
Weight								
Shipping	kg	5.080	5.500	5.990	6.510	6.600	6.810	6.900
Operating	kg	5.330	5.760	6.220	6.750	6.830	7.090	7.180
Dimensions								
Length	mm	6.700	6.700	6.700	8.800	8.800	8.800	8.800
Width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550	2.550	2.550
Acoustical data								
Sound power level ²	dB(A)	105	105	105	106	106	106	106
Sound pressure level at 10 m³	dB(A)	72	72	72	73	73	73	73

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.

Technical feature

EuroScrew 1070-1300 Air CO HT		1070	1130	1170	1200	1300
Cooling capacity ¹	kW	1092	1155	1195	1242	1342
Power input ¹	kW	382,2	402,9	422,3	443,6	479,8
EER ¹		2,86	2,87	2,83	2,80	2,80
Energy efficiency class		C	C	C	C	C
ESEER ¹		3,43	3,33	3,40	3,25	3,25
Refrigerant						
Type		HFC 134a				
Number of refrigerant circuits		2	2	2	2	2
Compressor						
Qty		2				
Type		Screw				
Part load steps	%	25-50-62-75-87-100				
Power supply		400V/3/50Hz				
Start-up type		Y/Δ				
Evaporator						
Qty		1				
Type		Shell & Tube				
Water flow rate	m³/h	188,4	199,2	206,1	214,2	231,6
Water pressure drop	kPa	32,0	35,6	36,5	39,5	45,7
Inlet/outlet diameter	inch	8"	8"	8"	8"	10"
Condenser						
Qty		17	18	19	20	22
Type		MCHX - Al/Alloy				
Fan						
Qty		17	18	19	20	22
Air flow	m³/s	132,7	140,5	148,3	156,1	171,7
Power input	kW	52,7	55,8	58,9	62,0	68,2
Weight						
Shipping	kg	7.490	7.760	7.970	8.180	8.570
Operating	kg	7.880	8.150	8.350	8.560	8.940
Dimensions						
Length	mm	9.900	10.900	10.900	10.900	12.000
Width	mm	2.200	2.200	2.200	2.200	2.200
Height	mm	2.550	2.550	2.550	2.550	2.550
Acoustical data						
Sound power level ²	dB(A)	106	107	107	107	108
Sound pressure level at 10 m³	dB(A)	73	74	74	74	75

¹ Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.² Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.³ Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.