

Tetris /FC Basic - technical data

UNIT SIZE			10.2	12.2	13.2	15.2	16.2	20.3	24.3	27.4
Cooling										
Nominal cooling capacity	(1)	kW	123	134	143	159	182	223	262	299
Total absorbed power in cooling mode	(1),(2)	kW	33,9	39,8	46,1	49,7	55,2	72,6	82,6	92,8
EER	(1)	kW	3,63	3,36	3,10	3,20	3,29	3,07	3,17	3,22
ESEER										
Free Cooling BASIC										
Nominal cooling capacity	(3)	kW	52,8	54,0	55,0	55,7	56,1	139,7	148,2	151,2
Free cooling coil pressure drop	(3)	kPa	38,9	44,7	50,4	61,4	70,2	15,9	21,6	25,7
TFT - Total Free-cooling Temperature		°C	-7,28	-8,58	-9,74	-12,33	-16,06	-0,38	-1,96	-3,86
Free Cooling SLN BASIC										
Nominal cooling capacity	(3)	kW	43,6	44,4	45,1	45,6	45,9	117,5	123,6	125,7
Free cooling coil pressure drop	(3)	kPa	38,9	44,7	50,4	61,4	70,2	15,9	21,6	25,7
TFT - Total Free-cooling Temperature		°C	-11,48	-13,17	-14,70	-17,96	-22,62	-2,93	-4,93	-7,22
Compressors										
Type										Scroll
Quantity/Cooling circuits		n°/n°	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	3 / 1	3 / 1	4 / 2
Capacity steps		n°	2,0	2,0	2,0	2,0	2,0	3,0	3,0	4,0
Total oil load		kg	13	13	13	14	14	20	22	27
Refrigerant total load		kg	18,0	18,5	19,0	22,0	23,0	28,0	34,0	38,0
Mechanical side fans										
Type										Axial
Quantity		n°	2	2	2	2	2	3	3	4
Air flow		m³/h	42.000	42.000	42.000	42.000	42.000	63.000	63.000	84.000
Free cooling side fans										
Type										Axial
Quantity		n°	1	1	1	1	1	3	3	3
Air flow		m³/h	20.600	20.600	20.600	20.600	20.600	61.800	61.800	61.800
SLN free cooling side fans										
Type										Axial
Quantity		n°	1	1	1	1	1	3	3	3
Air flow		m³/h	15.450	15.450	15.450	15.450	15.450	46.350	46.350	46.350
Evaporator										
Type										Plates
Quantity		n°	1	1	1	1	1	1	1	1
Water flow		l/h	23.455	25.552	27.269	30.320	34.705	42.524	49.961	57.016
Total pressure drop	(7)	kPa	85	85	78	80	81	72	74	66
Hydraulic module										
Useful head with standard pumps	(6),(7)	kPa	113	94	151	111	78	141	92	124
Useful head with enhanced pumps		kPa	182	162	224	181	160	222	175	209
Storage tank capacity	(6)	l	300	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18	18
Noise level - mechanical side only										
Noise power level (basic version)	(4)	dB(A)	89	89	89	89	89	92	92	95
Noise pressure level (basic unit)	(5)	dB(A)	57	57	57	57	57	60	60	63
Noise power level (LN version)	(4)	dB(A)	86	86	86	86	86	87	88	89
Noise pressure level (LN version)	(5)	dB(A)	54	54	54	54	54	55	56	57
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-	-
Noise level - free cooling side only										
Noise power level - basic unit	(4)	dB(A)	71	71	71	71	71	76	76	76
Noise pressure level - basic unit	(5)	dB(A)	39	39	39	39	39	44	44	44
Noise power level (SLN version)	(4)	dB(A)	68	68	68	68	68	73	73	73
Noise pressure level (SLN version)	(5)	dB(A)	36	36	36	36	36	41	41	41
Basic version dimensions and weights										
Length		mm	2.316	2.316	2.316	2.316	2.316	4.604	4.604	4.604
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris /FC Basic - technical data

UNIT SIZE			29.4	32.4	33.5	35.5	40.6	43.6	47.6
Cooling									
Nominal cooling capacity	(1)	kW	322	349	374	393	453	488	523
Total absorbed power in cooling mode	(1),(2)	kW	103,1	111,3	118,8	127,9	146,0	153,8	167,0
EER	(1)	kW	3,12	3,13	3,15	3,07	3,10	3,17	3,13
ESEER									
Free Cooling BASIC									
Nominal cooling capacity	(3)	kW	153,4	155,8	207,0	210,8	222,7	229,9	236,1
Free cooling coil pressure drop	(3)	kPa	31,0	35,7	51,9	59,6	72,4	85,9	99,6
TFT - Total Free-cooling Temperature		°C	-4,97	-6,26	-2,17	-2,72	-4,43	-5,40	-6,45
Free Cooling SLN BASIC									
Nominal cooling capacity	(3)	kW	127,3	129,0	175,3	178,0	186,2	191,2	195,3
Free cooling coil pressure drop	(3)	kPa	31,0	35,7	51,9	59,6	72,4	85,9	99,6
TFT - Total Free-cooling Temperature		°C	-8,59	-10,19	-5,26	-6,01	-8,41	-9,83	-11,37
Compressors									
Type									Scroll
Quantity/Cooling circuits		n°/n°	4 / 2	4 / 2	5 / 2	5 / 2	6 / 2	6 / 2	6 / 2
Capacity steps		n°	4,0	4,0	5,0	5,0	6,0	6,0	6,0
Total oil load		kg	28	29	34	35	40	42	43
Refrigerant total load		kg	42,0	46,0	47,0	51,0	56,0	62,0	68,0
Mechanical side fans									
Type									Axial
Quantity		n°	4	4	5	5	6	6	6
Air flow		m³/h	84.000	84.000	105.000	105.000	126.000	126.000	126.000
Free cooling side fans									
Type									Axial
Quantity		n°	3	3	4	4	4	4	4
Air flow		m³/h	61.800	61.800	82.400	82.400	82.400	82.400	82.400
SLN free cooling side fans									
Type									Axial
Quantity		n°	3	3	4	4	4	4	4
Air flow		m³/h	46.350	46.350	61.800	61.800	61.800	61.800	61.800
Evaporator									
Type									Plates
Quantity		n°	1	1	1	1	1	1	1
Water flow		l/h	61.402	66.550	71.318	74.941	86.382	93.056	99.730
Total pressure drop	(7)	kPa	60	70	52	61	76	71	84
Hydraulic module									
Useful head with standard pumps	(6),(7)	kPa	96	141	119	118	127	169	121
Useful head with enhanced pumps		kPa	183	235	224	189	198	271	220
Storage tank capacity	(6)	l	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18
Noise level - mechanical side only									
Noise power level (basic version)	(4)	dB(A)	95	96	97	97	97	97	97
Noise pressure level (basic unit)	(5)	dB(A)	63	64	65	65	65	65	65
Noise power level (LN version)	(4)	dB(A)	90	91	92	92	93	93	93
Noise pressure level (LN version)	(5)	dB(A)	58	59	60	60	61	61	61
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-
Noise level - free cooling side only									
Noise power level - basic unit	(4)	dB(A)	76	76	77	77	77	77	77
Noise pressure level - basic unit	(5)	dB(A)	44	44	45	45	45	45	45
Noise power level (SLN version)	(4)	dB(A)	73	73	74	74	74	74	74
Noise pressure level (SLN version)	(5)	dB(A)	41	41	42	42	42	42	42
Basic version dimensions and weights									
Length		mm	4.604	4.604	5.749	5.749	5.749	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris /FC Custom - technical data

UNIT SIZE			10.2	12.2	13.2	15.2	16.2	20.3	24.3	27.4
Cooling										
Nominal cooling capacity	(1)	kW	123,0	134,0	143,0	159,0	182,0	223,0	262,0	299,0
Total absorbed power in cooling mode	(1),(2)	kW	33,9	39,8	46,1	49,7	55,2	72,6	82,6	92,8
EER	(1)	kW	3,63	3,36	3,10	3,20	3,29	3,07	3,17	3,22
ESEER										
Free Cooling CUSTOM										
Nominal cooling capacity	(3)	kW	86,8	90,3	93,4	95,8	97,0	164,3	182,5	189,1
Free cooling coil pressure drop	(3)	kPa	25,0	28,7	32,4	39,5	45,1	20,9	28,4	33,7
TFT - Total Free-cooling Temperature		°C	1,30	0,81	0,38	-0,85	-2,74	1,93	1,21	-0,07
Free Cooling SLN CUSTOM										
Nominal cooling capacity	(3)	kW	75,7	78,3	80,6	82,2	83,1	144,7	157,9	162,7
Free cooling coil pressure drop	(3)	kPa	25,0	28,7	32,4	39,5	45,1	20,9	28,4	33,7
TFT - Total Free-cooling Temperature		°C	-0,57	-1,25	-1,84	-3,39	-5,68	0,29	-0,80	-2,41
Compressors										
Type										Scroll
Quantity/Cooling circuits		n°/n°	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	3 / 1	3 / 1	4 / 2
Capacity steps		n°	2,0	2,0	2,0	2,0	2,0	3,0	3,0	4,0
Total oil load		kg	13	13	13	14	14	20	22	27
Refrigerant total load		kg	18,0	18,5	19,0	22,0	23,0	28,0	34,0	38,0
Mechanical side fans										
Type										Axial
Quantity		n°	2	2	2	2	2	3	3	4
Air flow		m³/h	42.000	42.000	42.000	42.000	42.000	63.000	63.000	84.000
Free cooling side fans										
Type										Axial
Quantity		n°	2	2	2	2	2	4	4	4
Air flow		m³/h	41.200	41.200	41.200	41.200	41.200	82.400	82.400	82.400
SLN free cooling side fans										
Type										Axial
Quantity		n°	2	2	2	2	2	4	4	4
Air flow		m³/h	30.900	30.900	30.900	30.900	30.900	61.800	61.800	61.800
Evaporator										
Type										Plates
Quantity		n°	1	1	1	1	1	1	1	1
Water flow		l/h	23	26	27	30	35	43	50	57
Total pressure drop	(7)	kPa	85	85	78	80	81	72	74	66
Hydraulic module										
Useful head with standard pumps	(6),(7)	kPa	127	109	99	133	105	136	84	116
Useful head with enhanced pumps		kPa	196	178	168	203	172	217	167	201
Storage tank capacity	(6)	l	300	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18	18
Noise level - mechanical side only										
Noise power level (basic version)	(4)	dB(A)	89	89	89	89	89	92	92	95
Noise pressure level (basic unit)	(5)	dB(A)	57	57	57	57	57	60	60	63
Noise power level (LN version)	(4)	dB(A)	86	86	86	86	86	87	88	89
Noise pressure level (LN version)	(5)	dB(A)	54	54	54	54	54	55	56	57
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-	-
Noise level - free cooling side only										
Noise power level - basic unit	(4)	dB(A)	74	74	74	74	74	77	77	77
Noise pressure level - basic unit	(5)	dB(A)	42	42	42	42	42	45	45	45
Noise power level (SLN version)	(4)	dB(A)	71	71	71	71	71	74	74	74
Noise pressure level (SLN version)	(5)	dB(A)	39	39	39	39	39	42	42	42
Basic version dimensions and weights										
Length		mm	2.316	2.316	2.316	2.316	2.316	4.604	4.604	4.604
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris /FC Custom - technical data

UNIT SIZE			29.4	32.4	33.5	35.5	40.6	43.6	47.6
Cooling									
Nominal cooling capacity	(1)	kW	322,0	349,0	374,0	393,0	453,0	488,0	523,0
Total absorbed power in cooling mode	(1),(2)	kW	103,1	111,3	118,8	127,9	146,0	153,8	167,0
EER	(1)	kW	3,12	3,13	3,15	3,07	3,10	3,17	3,13
ESEER									
Free Cooling CUSTOM									
Nominal cooling capacity	(3)	kW	194,0	199,5	262,1	267,2	283,3	293,3	301,7
Free cooling coil pressure drop	(3)	kPa	40,6	46,8	25,5	29,3	35,5	42,2	48,9
TFT - Total Free-cooling Temperature		°C	-0,77	-1,59	1,31	0,93	-0,22	-0,82	-1,46
Free Cooling SLN CUSTOM									
Nominal cooling capacity	(3)	kW	166,2	170,1	228,6	232,3	243,8	250,9	256,8
Free cooling coil pressure drop	(3)	kPa	40,6	46,8	25,5	29,3	35,5	42,2	48,9
TFT - Total Free-cooling Temperature		°C	-3,33	-4,41	-0,57	-1,07	-2,59	-3,42	-4,29
Compressors									
Type									Scroll
Quantity/Cooling circuits		n°/n°	4 / 2	4 / 2	5 / 2	5 / 2	6 / 2	6 / 2	6 / 2
Capacity steps		n°	4,0	4,0	5,0	5,0	6,0	6,0	6,0
Total oil load		kg	28	29	34	35	40	42	43
Refrigerant total load		kg	42,0	46,0	47,0	51,0	56,0	62,0	68,0
Mechanical side fans									
Type									Axial
Quantity		n°	4	4	5	5	6	6	6
Air flow		m³/h	84.000	84.000	105.000	105.000	126.000	126.000	126.000
Free cooling side fans									
Type									Axial
Quantity		n°	4	4	6	6	6	6	6
Air flow		m³/h	82.400	82.400	123.600	123.600	123.600	123.600	123.600
SLN free cooling side fans									
Type									Axial
Quantity		n°	4	4	6	6	6	6	6
Air flow		m³/h	61.800	61.800	92.700	92.700	92.700	92.700	92.700
Evaporator									
Type									Plates
Quantity		n°	1	1	1	1	1	1	1
Water flow		l/h	61	67	71	75	86	93	100
Total pressure drop	(7)	kPa	60	70	52	61	76	71	84
Hydraulic module									
Useful head with standard pumps	(6),(7)	kPa	86	130	141	110	127	141	100
Useful head with enhanced pumps		kPa	173	224	249	218	234	212	171
Storage tank capacity	(6)	l	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18
Noise level - mechanical side only									
Noise power level (basic version)	(4)	dB(A)	95	96	97	97	97	97	97
Noise pressure level (basic unit)	(5)	dB(A)	63	64	65	65	65	65	65
Noise power level (LN version)	(4)	dB(A)	90	91	92	92	93	93	93
Noise pressure level (LN version)	(5)	dB(A)	58	59	60	60	61	61	61
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-
Noise level - free cooling side only									
Noise power level - basic unit	(4)	dB(A)	77	77	79	79	79	79	79
Noise pressure level - basic unit	(5)	dB(A)	45	45	47	47	47	47	47
Noise power level (SLN version)	(4)	dB(A)	74	74	76	76	76	76	76
Noise pressure level (SLN version)	(5)	dB(A)	42	42	44	44	44	44	44
Basic version dimensions and weights									
Length		mm	4.604	4.604	6.894	6.894	6.894	6.894	6.894
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris /FC Extra - technical data

UNIT SIZE			10.2	12.2	13.2	15.2	16.2	20.3	24.3	27.4
Cooling										
Nominal cooling capacity	(1)	kW	123,0	134,0	143,0	159,0	182,0	223,0	262,0	299,0
Total absorbed power in cooling mode	(1),(2)	kW	33,9	39,8	46,1	49,7	55,2	72,6	82,6	92,8
EER	(1)	kW	3,63	3,36	3,10	3,20	3,29	3,07	3,17	3,22
ESEER										
Free Cooling EXTRA										
Nominal cooling capacity	(3)	kW	121,7	124,5	127,1	128,9	129,9	206,1	229,8	238,4
Free cooling coil pressure drop	(3)	kPa	5,6	6,5	7,3	8,9	10,2	10,2	13,9	16,5
TFT - Total Free-cooling Temperature		°C	4,83	4,31	3,86	2,81	1,31	4,29	3,79	2,81
Free Cooling SLN EXTRA										
Nominal cooling capacity	(3)	kW	104,2	106,3	108,2	109,5	110,3	187,0	204,8	211,2
Free cooling coil pressure drop	(3)	kPa	5,6	6,5	7,3	8,9	10,2	10,2	13,9	16,5
TFT - Total Free-cooling Temperature		°C	3,30	2,68	2,13	0,91	-0,82	3,33	2,57	1,38
Compressors										
Type										Scroll
Quantity/Cooling circuits		n°/n°	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	3 / 1	3 / 1	4 / 2
Capacity steps		n°	2,0	2,0	2,0	2,0	2,0	3,0	3,0	4,0
Total oil load		kg	13	13	13	14	14	20	22	27
Refrigerant total load		kg	18,0	18,5	19,0	22,0	23,0	28,0	34,0	38,0
Mechanical side fans										
Type										Axial
Quantity		n°	2	2	2	2	2	3	3	4
Air flow		m³/h	42.000	42.000	42.000	42.000	42.000	63.000	63.000	84.000
Free cooling side fans										
Type										Axial
Quantity		n°	3	3	3	3	3	6	6	6
Air flow		m³/h	61.800	61.800	61.800	61.800	61.800	123.600	123.600	123.600
SLN free cooling side fans										
Type										Axial
Quantity		n°	3	3	3	3	3	6	6	6
Air flow		m³/h	46.350	46.350	46.350	46.350	46.350	92.700	92.700	92.700
Evaporator										
Type										Plates
Quantity		n°	1	1	1	1	1	1	1	1
Water flow		l/h	23	26	27	30	35	43	50	57
Total pressure drop	(7)	kPa	85	85	78	80	81	72	74	66
Hydraulic module										
Useful head with standard pumps	(6),(7)	kPa	146	131	124	93	139	145	98	133
Useful head with enhanced pumps		kPa	215	200	193	163	206	226	180	217
Storage tank capacity	(6)	l	300	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18	18
Noise level - mechanical side only										
Noise power level (basic version)	(4)	dB(A)	89	89	89	89	89	92	92	95
Noise pressure level (basic unit)	(5)	dB(A)	57	57	57	57	57	60	60	63
Noise power level (LN version)	(4)	dB(A)	86	86	86	86	86	87	88	89
Noise pressure level (LN version)	(5)	dB(A)	54	54	54	54	54	55	56	57
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-	-
Noise level - free cooling side only										
Noise power level - basic unit	(4)	dB(A)	76	76	76	76	76	79	79	79
Noise pressure level - basic unit	(5)	dB(A)	44	44	44	44	44	47	47	47
Noise power level (SLN version)	(4)	dB(A)	73	73	73	73	73	76	76	76
Noise pressure level (SLN version)	(5)	dB(A)	41	41	41	41	41	44	44	44
Basic version dimensions and weights										
Length		mm	3.449	3.449	3.449	3.449	3.449	5.749	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris /FC Extra - technical data

UNIT SIZE			29.4	32.4	33.5	35.5	40.6	43.6	47.6
Cooling									
Nominal cooling capacity	(1)	kW	322,0	349,0	374,0	393,0	453,0	488,0	523,0
Total absorbed power in cooling mode	(1),(2)	kW	103,1	111,3	118,8	127,9	146,0	153,8	167,0
EER	(1)	kW	3,12	3,13	3,15	3,07	3,10	3,17	3,13
ESEER									
Free Cooling EXTRA									
Nominal cooling capacity	(3)	kW	244,9	252,3	308,5	314,7	334,2	346,4	356,8
Free cooling coil pressure drop	(3)	kPa	19,9	23,0	15,4	17,7	21,5	25,5	29,5
TFT - Total Free-cooling Temperature		°C	2,29	1,70	3,18	2,86	1,94	1,47	0,97
Free Cooling SLN EXTRA									
Nominal cooling capacity	(3)	kW	216,0	221,4	274,7	279,3	293,6	302,5	310,0
Free cooling coil pressure drop	(3)	kPa	19,9	23,0	15,4	17,7	21,5	25,5	29,5
TFT - Total Free-cooling Temperature		°C	0,73	-0,03	1,86	1,46	0,27	-0,36	-1,03
Compressors									
Type									Scroll
Quantity/Cooling circuits		n°/n°	4 / 2	4 / 2	5 / 2	5 / 2	6 / 2	6 / 2	6 / 2
Capacity steps		n°	4,0	4,0	5,0	5,0	6,0	6,0	6,0
Total oil load		kg	28	29	34	35	40	42	43
Refrigerant total load		kg	42,0	46,0	47,0	51,0	56,0	62,0	68,0
Mechanical side fans									
Type									Axial
Quantity		n°	4	4	5	5	6	6	6
Air flow		m³/h	84.000	84.000	105.000	105.000	126.000	126.000	126.000
Free cooling side fans									
Type									Axial
Quantity		n°	6	6	8	8	8	8	8
Air flow		m³/h	123.600	123.600	164.800	164.800	164.800	164.800	164.800
SLN free cooling side fans									
Type									Axial
Quantity		n°	6	6	8	8	8	8	8
Air flow		m³/h	92.700	92.700	123.600	123.600	123.600	123.600	123.600
Evaporator									
Type									Plates
Quantity		n°	1	1	1	1	1	1	1
Water flow		l/h	61	67	71	75	86	93	100
Total pressure drop	(7)	kPa	60	70	52	61	76	71	84
Hydraulic module									
Useful head with standard pumps	(6),(7)	kPa	106	153	150	121	141	157	118
Useful head with enhanced pumps		kPa	193	247	259	229	248	228	190
Storage tank capacity	(6)	l	300	300	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18	18	18
Noise level - mechanical side only									
Noise power level (basic version)	(4)	dB(A)	95	96	97	97	97	97	97
Noise pressure level (basic unit)	(5)	dB(A)	63	64	65	65	65	65	65
Noise power level (LN version)	(4)	dB(A)	90	91	92	92	93	93	93
Noise pressure level (LN version)	(5)	dB(A)	58	59	60	60	61	61	61
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-	-	-
Noise level - free cooling side only									
Noise power level - basic unit	(4)	dB(A)	79	79	80	80	80	80	80
Noise pressure level - basic unit	(5)	dB(A)	47	47	48	48	48	48	48
Noise power level (SLN version)	(4)	dB(A)	76	76	77	77	77	77	77
Noise pressure level (SLN version)	(5)	dB(A)	44	44	45	45	45	45	45
Basic version dimensions and weights									
Length		mm	5.749	5.749	8.051	8.051	8.051	8.051	8.051
Depth		mm	2.302	2.302	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A/FC Basic - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	129,0	191,0	259,0	329,0	388,0
Total absorbed power in cooling mode	(1),(2)	kW	33,0	49,6	66,5	83,3	99,7
EER	(1)	kW	3,91	3,85	3,90	3,95	3,89
ESEER							
Free Cooling BASIC							
Nominal cooling capacity	(3)	kW	52,8	57,9	116,2	153,1	159,2
Free cooling coil pressure drop	(3)	kPa	42,0	85,8	94,6	32,3	43,3
TFT - Total Free-cooling Temperature		°C	-8,13	-16,78	-6,49	-5,41	-8,11
Free Cooling SLN BASIC							
Nominal cooling capacity	(3)	kW	43,6	47,1	96,4	127,1	131,4
Free cooling coil pressure drop	(3)	kPa	42,0	85,8	94,6	32,3	43,3
TFT - Total Free-cooling Temperature		°C	-12,50	-23,93	-11,30	-9,11	-12,50
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	20.600	20.600	41.200	61.800	61.800
SLN free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	15.450	15.450	30.900	46.350	46.350
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	24.599	36.422	49.388	62.737	73.987
Total pressure drop	(7)	kPa	64	55	53	41	58
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	124	108	125	104	108
Useful head with enhanced pumps		kPa	192	189	197	191	216
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	86	87	89	90	90
Noise pressure level (basic unit)	(5)	dB(A)	54	55	57	58	58
Noise power level (LN version)	(4)	dB(A)	82	83	85	86	86
Noise pressure level (LN version)	(5)	dB(A)	50	51	53	54	54
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	71	71	74	76	76
Noise pressure level - basic unit	(5)	dB(A)	39	39	42	44	44
Noise power level (SLN version)	(4)	dB(A)	68	68	71	73	73
Noise pressure level (SLN version)	(5)	dB(A)	36	36	39	41	41
Basic version dimensions and weights							
Length		mm	2.316	3.449	3.449	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A/FC Custom - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	129,0	191,0	259,0	329,0	388,0
Total absorbed power in cooling mode	(1),(2)	kW	33,0	49,6	66,5	83,3	99,7
EER	(1)	kW	3,91	3,85	3,90	3,95	3,89
ESEER							
Free Cooling CUSTOM							
Nominal cooling capacity	(3)	kW	86,9	102,9	144,9	193,5	207,4
Free cooling coil pressure drop	(3)	kPa	27,3	16,8	28,3	21,3	28,4
TFT - Total Free-cooling Temperature		°C	0,82	-2,59	-2,11	-1,12	-2,74
Free Cooling SLN CUSTOM							
Nominal cooling capacity	(3)	kW	75,8	87,2	121,2	165,9	175,6
Free cooling coil pressure drop	(3)	kPa	27,3	16,8	28,3	21,3	28,4
TFT - Total Free-cooling Temperature		°C	-1,12	-5,75	-5,04	-3,74	-5,96
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	41.200	41.200	61.800	82.400	82.400
SLN free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	30.900	30.900	46.350	61.800	61.800
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	25	36	49	63	74
Total pressure drop	(7)	kPa	64	55	53	41	58
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	138	124	115	94	94
Useful head with enhanced pumps		kPa	207	186	198	181	202
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	86	87	89	90	90
Noise pressure level (basic unit)	(5)	dB(A)	54	55	57	58	58
Noise power level (LN version)	(4)	dB(A)	82	83	85	86	86
Noise pressure level (LN version)	(5)	dB(A)	50	51	53	54	54
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	74	74	76	77	77
Noise pressure level - basic unit	(5)	dB(A)	42	42	44	45	45
Noise power level (SLN version)	(4)	dB(A)	71	71	73	74	74
Noise pressure level (SLN version)	(5)	dB(A)	39	39	41	42	42
Basic version dimensions and weights							
Length		mm	2.316	3.449	4.604	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A/FC Extra - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	129,0	191,0	259,0	329,0	388,0
Total absorbed power in cooling mode	(1),(2)	kW	33,0	49,6	66,5	83,3	99,7
EER	(1)	kW	3,91	3,85	3,90	3,95	3,89
ESEER							
Free Cooling EXTRA							
Nominal cooling capacity	(3)	kW	121,8	134,5	175,4	244,3	262,7
Free cooling coil pressure drop	(3)	kPa	6,1	12,5	28,0	20,8	27,9
TFT - Total Free-cooling Temperature		°C	4,46	1,20	0,88	2,02	0,88
Free Cooling SLN EXTRA							
Nominal cooling capacity	(3)	kW	104,3	113,7	152,8	215,6	229,0
Free cooling coil pressure drop	(3)	kPa	6,1	12,5	28,0	20,8	27,9
TFT - Total Free-cooling Temperature		°C	2,89	-1,01	-1,08	0,42	-1,07
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	3	3	4	6	6
Air flow		m³/h	61.800	61.800	82.400	123.600	123.600
SLN free cooling side fans							
Type					Axial		
Quantity		n°	3	3	4	6	6
Air flow		m³/h	46.350	46.350	61.800	92.700	92.700
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	25	36	49	63	74
Total pressure drop	(7)	kPa	64	55	53	41	58
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	95	95	108	115	122
Useful head with enhanced pumps		kPa	228	180	190	202	230
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	86	87	89	90	90
Noise pressure level (basic unit)	(5)	dB(A)	54	55	57	58	58
Noise power level (LN version)	(4)	dB(A)	82	83	85	86	86
Noise pressure level (LN version)	(5)	dB(A)	50	51	53	54	54
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	76	76	77	79	79
Noise pressure level - basic unit	(5)	dB(A)	44	44	45	47	47
Noise power level (SLN version)	(4)	dB(A)	73	73	74	76	76
Noise pressure level (SLN version)	(5)	dB(A)	41	41	42	44	44
Basic version dimensions and weights							
Length		mm	3.449	4.604	4.604	6.894	6.894
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A+ /FC Basic - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	98,1	150,0	210,0	263,0	304,0
Total absorbed power in cooling mode	(1),(2)	kW	23,9	35,9	48,0	60,1	71,9
EER	(1)	kW	4,11	4,18	4,38	4,38	4,23
ESEER							
Free Cooling BASIC							
Nominal cooling capacity	(3)	kW	49,8	54,6	105,8	144,0	149,8
Free cooling coil pressure drop	(3)	kPa	26,8	53,8	62,2	20,5	27,4
TFT - Total Free-cooling Temperature		°C	-3,78	-11,06	-3,81	-2,46	-4,30
Free Cooling SLN BASIC							
Nominal cooling capacity	(3)	kW	41,5	44,9	89,3	120,6	124,8
Free cooling coil pressure drop	(3)	kPa	26,8	53,8	62,2	20,5	27,4
TFT - Total Free-cooling Temperature		°C	-7,09	-16,25	-7,37	-5,42	-7,71
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	20.600	20.600	41.200	61.800	61.800
SLN free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	15.450	15.450	30.900	46.350	46.350
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	18.707	28.603	40.045	50.151	57.969
Total pressure drop	(7)	kPa	57	61	33	37	52
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	114	113	147	122	126
Useful head with enhanced pumps		kPa	180	182	228	184	211
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	83	85	86	87	88
Noise pressure level (basic unit)	(5)	dB(A)	51	53	54	55	56
Noise power level (LN version)	(4)	dB(A)	79	81	82	83	84
Noise pressure level (LN version)	(5)	dB(A)	47	49	50	51	52
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	71	71	74	76	76
Noise pressure level - basic unit	(5)	dB(A)	39	39	42	44	44
Noise power level (SLN version)	(4)	dB(A)	68	68	71	73	73
Noise pressure level (SLN version)	(5)	dB(A)	36	36	39	41	41
Basic version dimensions and weights							
Length		mm	2.316	3.449	3.449	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A+ /FC Custom - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	98,1	150,0	210,0	263,0	304,0
Total absorbed power in cooling mode	(1),(2)	kW	23,9	35,9	48,0	60,1	71,9
EER	(1)	kW	4,11	4,18	4,38	4,38	4,23
ESEER							
Free Cooling CUSTOM							
Nominal cooling capacity	(3)	kW	77,7	92,3	136,8	173,5	186,3
Free cooling coil pressure drop	(3)	kPa	17,6	35,1	18,8	27,2	18,2
TFT - Total Free-cooling Temperature		°C	2,75	-0,43	0,17	0,56	-0,49
Free Cooling SLN CUSTOM							
Nominal cooling capacity	(3)	kW	69,1	79,7	115,3	151,5	160,7
Free cooling coil pressure drop	(3)	kPa	17,6	35,1	18,8	27,2	18,2
TFT - Total Free-cooling Temperature		°C	1,36	-2,76	-2,24	-1,43	-2,86
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	41.200	41.200	61.800	82.400	82.400
SLN free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	30.900	30.900	46.350	61.800	61.800
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	19	29	40	50	58
Total pressure drop	(7)	kPa	57	61	33	37	52
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	123	131	127	116	117
Useful head with enhanced pumps		kPa	190	201	195	178	202
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	83	85	86	87	88
Noise pressure level (basic unit)	(5)	dB(A)	51	53	54	55	56
Noise power level (LN version)	(4)	dB(A)	79	81	82	83	84
Noise pressure level (LN version)	(5)	dB(A)	47	49	50	51	52
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	74	74	76	77	77
Noise pressure level - basic unit	(5)	dB(A)	42	42	44	45	45
Noise power level (SLN version)	(4)	dB(A)	71	71	73	74	74
Noise pressure level (SLN version)	(5)	dB(A)	39	39	41	42	42
Basic version dimensions and weights							
Length		mm	2.316	3.449	4.604	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A+ /FC Extra - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	98,1	150,0	210,0	263,0	304,0
Total absorbed power in cooling mode	(1),(2)	kW	23,9	35,9	48,0	60,1	71,9
EER	(1)	kW	4,11	4,18	4,38	4,38	4,23
ESEER							
Free Cooling EXTRA							
Nominal cooling capacity	(3)	kW	98,1	126,1	158,1	218,1	234,7
Free cooling coil pressure drop	(3)	kPa	3,9	7,8	18,4	13,2	17,7
TFT - Total Free-cooling Temperature		°C	6,30	3,28	2,19	3,24	2,47
Free Cooling SLN EXTRA							
Nominal cooling capacity	(3)	kW	98,1	107,5	140,2	196,1	208,5
Free cooling coil pressure drop	(3)	kPa	3,9	7,8	18,4	13,2	17,7
TFT - Total Free-cooling Temperature		°C	5,05	1,49	0,68	2,04	1,02
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	61.800	61.800	82.400	123.600	123.600
SLN free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	46.350	46.350	61.800	92.700	92.700
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	19	29	40	50	58
Total pressure drop	(7)	kPa	57	61	33	37	52
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	123	96	122	129	135
Useful head with enhanced pumps		kPa	203	227	190	191	220
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	83	85	86	87	88
Noise pressure level (basic unit)	(5)	dB(A)	51	53	54	55	56
Noise power level (LN version)	(4)	dB(A)	79	81	82	83	84
Noise pressure level (LN version)	(5)	dB(A)	47	49	50	51	52
Noise power level (SLN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (SLN version)	(5)	dB(A)	-	-	-	-	-
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	76	76	77	79	79
Noise pressure level - basic unit	(5)	dB(A)	44	44	45	47	47
Noise power level (SLN version)	(4)	dB(A)	73	73	74	76	76
Noise pressure level (SLN version)	(5)	dB(A)	41	41	42	44	44
Basic version dimensions and weights							
Length		mm	3.449	4.604	4.604	6.894	6.894
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris SLN /FC Basic - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	124,0	183,0	248,0	314,0	371,0
Total absorbed power in cooling mode	(1),(2)	kW	35,4	53,4	71,6	89,8	107,3
EER	(1)	kW	3,50	3,43	3,46	3,50	3,46
ESEER							
Free Cooling BASIC							
Nominal cooling capacity	(3)	kW	52,4	57,3	114,1	151,5	157,6
Free cooling coil pressure drop	(3)	kPa	39,2	79,9	87,6	30,0	40,2
TFT - Total Free-cooling Temperature		°C	-7,43	-15,61	-5,85	-4,77	-7,32
Free Cooling SLN BASIC							
Nominal cooling capacity	(3)	kW	43,3	46,8	95,0	126,0	130,3
Free cooling coil pressure drop	(3)	kPa	39,2	79,9	87,6	30,0	40,2
TFT - Total Free-cooling Temperature		°C	-11,62	-22,34	-10,36	-8,30	-11,51
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	20.600	20.600	41.200	61.800	61.800
SLN free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	15.450	15.450	30.900	46.350	46.350
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	23.645	34.896	47.291	59.876	70.746
Total pressure drop	(7)	kPa	60	51	49	38	53
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	137	123	148	124	125
Useful head with enhanced pumps		kPa	206	205	223	210	234
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	78	79	81	82	82
Noise pressure level (SLN version)	(5)	dB(A)	46	47	49	50	50
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	71	71	74	76	76
Noise pressure level - basic unit	(5)	dB(A)	39	39	42	44	44
Noise power level (SLN version)	(4)	dB(A)	68	68	71	73	73
Noise pressure level (SLN version)	(5)	dB(A)	36	36	39	41	41
Basic version dimensions and weights							
Length		mm	2.316	3.449	3.449	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris SLN /FC Custom - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	124,0	183,0	248,0	314,0	371,0
Total absorbed power in cooling mode	(1),(2)	kW	35,4	53,4	71,6	89,8	107,3
EER	(1)	kW	3,50	3,43	3,46	3,50	3,46
ESEER							
Free Cooling CUSTOM							
Nominal cooling capacity	(3)	kW	85,5	101,2	143,3	190,1	203,7
Free cooling coil pressure drop	(3)	kPa	25,0	17,0	29,1	19,0	25,8
TFT - Total Free-cooling Temperature		°C	1,12	-2,13	-1,59	-0,73	-2,26
Free Cooling SLN CUSTOM							
Nominal cooling capacity	(3)	kW	74,8	86,0	120,1	163,4	173,0
Free cooling coil pressure drop	(3)	kPa	25,0	17,0	29,1	19,0	25,8
TFT - Total Free-cooling Temperature		°C	-0,73	-5,13	-4,40	-3,21	-5,30
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	2	2	3	4	4
Air flow		m³/h	41.200	41.200	61.800	82.400	82.400
SLN free cooling side fans							
Type					Axial		
Quantity		n°	2	2	3	4	4
Air flow		m³/h	30.900	30.900	46.350	61.800	61.800
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	24	35	47	60	71
Total pressure drop	(7)	kPa	60	51	49	38	53
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	151	144	133	114	112
Useful head with enhanced pumps		kPa	220	208	215	200	221
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	78	79	81	82	82
Noise pressure level (SLN version)	(5)	dB(A)	46	47	49	50	50
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	74	74	76	77	77
Noise pressure level - basic unit	(5)	dB(A)	42	42	44	45	45
Noise power level (SLN version)	(4)	dB(A)	71	71	73	74	74
Noise pressure level (SLN version)	(5)	dB(A)	39	39	41	42	42
Basic version dimensions and weights							
Length		mm	2.316	3.449	4.604	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris SLN /FC Extra - technical data

UNIT SIZE			11.2	16.3	23.4	29.5	34.6
Cooling							
Nominal cooling capacity	(1)	kW	124,0	183,0	248,0	314,0	371,0
Total absorbed power in cooling mode	(1),(2)	kW	35,4	53,4	71,6	89,8	107,3
EER	(1)	kW	3,50	3,43	3,46	3,50	3,46
ESEER							
Free Cooling EXTRA							
Nominal cooling capacity	(3)	kW	120,7	133,2	172,0	239,7	257,8
Free cooling coil pressure drop	(3)	kPa	5,7	11,6	26,0	19,3	25,8
TFT - Total Free-cooling Temperature		°C	4,75	1,61	1,19	2,30	1,22
Free Cooling SLN EXTRA							
Nominal cooling capacity	(3)	kW	103,4	112,7	150,4	212,2	225,4
Free cooling coil pressure drop	(3)	kPa	5,7	11,6	26,0	19,3	25,8
TFT - Total Free-cooling Temperature		°C	3,22	-0,52	-0,67	0,79	-0,64
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	31,0	42,0	54,0	63,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	61.800	61.800	82.400	123.600	123.600
SLN free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	46.350	46.350	61.800	92.700	92.700
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	24	35	47	60	71
Total pressure drop	(7)	kPa	60	51	49	38	53
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	106	112	126	133	138
Useful head with enhanced pumps		kPa	239	247	208	219	246
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	78	79	81	82	82
Noise pressure level (SLN version)	(5)	dB(A)	46	47	49	50	50
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	76	76	77	79	79
Noise pressure level - basic unit	(5)	dB(A)	44	44	45	47	47
Noise power level (SLN version)	(4)	dB(A)	73	73	74	76	76
Noise pressure level (SLN version)	(5)	dB(A)	41	41	42	44	44
Basic version dimensions and weights							
Length		mm	3.449	4.604	4.604	6.894	6.894
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A SLN /FC Basic - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	97,0	148,0	203,0	255,0	302,0
Total absorbed power in cooling mode	(1),(2)	kW	25,1	37,8	50,6	68,3	75,8
EER	(1)	kW	3,86	3,91	4,01	3,73	3,98
ESEER							
Free Cooling BASIC							
Nominal cooling capacity	(3)	kW	49,4	54,2	104,5	142,8	148,7
Free cooling coil pressure drop	(3)	kPa	25,4	51,1	58,8	19,5	26,0
TFT - Total Free-cooling Temperature		°C	-3,70	-10,86	-3,40	-2,09	-4,31
Free Cooling SLN BASIC							
Nominal cooling capacity	(3)	kW	41,2	44,6	88,3	119,7	123,9
Free cooling coil pressure drop	(3)	kPa	25,4	51,1	58,8	19,5	26,0
TFT - Total Free-cooling Temperature		°C	-6,96	-15,95	-6,81	-4,96	-7,69
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type					Axial		
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	20.600	20.600	41.200	61.800	61.800
SLN free cooling side fans							
Type					Axial		
Quantity		n°	1	1	2	3	3
Air flow		m³/h	15.450	15.450	30.900	46.350	46.350
Evaporator							
Type					Plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	18.497	28.222	38.710	48.626	57.588
Total pressure drop	(7)	kPa	54	58	31	35	49
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	121	124	158	129	138
Useful head with enhanced pumps		kPa	188	193	239	192	223
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	76	78	79	80	81
Noise pressure level (SLN version)	(5)	dB(A)	44	46	47	48	49
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	71	71	74	76	76
Noise pressure level - basic unit	(5)	dB(A)	39	39	42	44	44
Noise power level (SLN version)	(4)	dB(A)	68	68	71	73	73
Noise pressure level (SLN version)	(5)	dB(A)	36	36	39	41	41
Basic version dimensions and weights							
Length		mm	2.316	3.449	3.449	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A SLN /FC Custom - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	97,0	148,0	203,0	255,0	302,0
Total absorbed power in cooling mode	(1),(2)	kW	25,1	37,8	50,6	68,3	75,8
EER	(1)	kW	3,86	3,91	4,01	3,73	3,98
ESEER							
Free Cooling CUSTOM							
Nominal cooling capacity	(3)	kW	76,7	91,1	135,8	171,2	183,8
Free cooling coil pressure drop	(3)	kPa	16,0	11,0	20,0	13,0	17,0
TFT - Total Free-cooling Temperature		°C	2,73	-0,40	0,53	0,79	-0,57
Free Cooling SLN CUSTOM							
Nominal cooling capacity	(3)	kW	68,4	78,9	114,6	149,8	158,9
Free cooling coil pressure drop	(3)	kPa	16,0	11,0	20,0	13,0	17,0
TFT - Total Free-cooling Temperature		°C	1,37	-2,69	-1,81	-1,12	-2,92
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	41.200	41.200	61.800	82.400	82.400
SLN free cooling side fans							
Type						Axial	
Quantity		n°	2	2	3	4	4
Air flow		m³/h	30.900	30.900	46.350	61.800	61.800
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	18	28	39	49	58
Total pressure drop	(7)	kPa	54	58	31	35	49
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	130	142	134	123	130
Useful head with enhanced pumps		kPa	197	211	203	186	215
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	76	78	79	80	81
Noise pressure level (SLN version)	(5)	dB(A)	44	46	47	48	49
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	74	74	76	77	77
Noise pressure level - basic unit	(5)	dB(A)	42	42	44	45	45
Noise power level (SLN version)	(4)	dB(A)	71	71	73	74	74
Noise pressure level (SLN version)	(5)	dB(A)	39	39	41	42	42
Basic version dimensions and weights							
Length		mm	2.316	3.449	4.604	5.749	5.749
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.

Tetris A SLN /FC Extra - technical data

UNIT SIZE			8.2	13.3	18.4	23.5	27.6
Cooling							
Nominal cooling capacity	(1)	kW	97,0	148,0	203,0	255,0	302,0
Total absorbed power in cooling mode	(1),(2)	kW	25,1	37,8	50,6	68,3	75,8
EER	(1)	kW	3,86	3,91	4,01	3,73	3,98
ESEER							
Free Cooling EXTRA							
Nominal cooling capacity	(3)	kW	97,0	125,2	155,9	215,0	231,5
Free cooling coil pressure drop	(3)	kPa	3,7	7,4	17,4	12,6	16,7
TFT - Total Free-cooling Temperature		°C	6,33	3,35	2,41	3,41	2,39
Free Cooling SLN EXTRA							
Nominal cooling capacity	(3)	kW	97,0	106,8	138,6	193,8	206,1
Free cooling coil pressure drop	(3)	kPa	3,7	7,4	17,4	12,6	16,7
TFT - Total Free-cooling Temperature		°C	5,09	1,58	0,97	2,27	0,97
Compressors							
Type						Scroll	
Quantity/Cooling circuits		n°/n°	2 / 1	3 / 1	4 / 2	5 / 2	6 / 2
Capacity steps		n°	2,0	3,0	4,0	5,0	6,0
Total oil load		kg	13	20	27	34	40
Refrigerant total load		kg	20,0	29,0	42,0	52,0	61,0
Mechanical side fans							
Type						Axial	
Quantity		n°	2	3	4	5	6
Air flow		m³/h	42.000	63.000	84.000	105.000	126.000
Free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	61.800	61.800	82.400	123.600	123.600
SLN free cooling side fans							
Type						Axial	
Quantity		n°	3	3	4	6	6
Air flow		m³/h	46.350	46.350	61.800	92.700	92.700
Evaporator							
Type						Plates	
Quantity		n°	1	1	1	1	1
Water flow		l/h	18	28	39	49	58
Total pressure drop	(7)	kPa	54	58	31	35	49
Hydraulic module							
Useful head with standard pumps	(6),(7)	kPa	130	105	129	135	147
Useful head with enhanced pumps		kPa	209	236	198	198	231
Storage tank capacity	(6)	l	300	300	300	300	300
Expansion vessel		l	18	18	18	18	18
Noise level - mechanical side only							
Noise power level (basic version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (basic unit)	(5)	dB(A)	-	-	-	-	-
Noise power level (LN version)	(4)	dB(A)	-	-	-	-	-
Noise pressure level (LN version)	(5)	dB(A)	-	-	-	-	-
Noise power level (SLN version)	(4)	dB(A)	76	78	79	80	81
Noise pressure level (SLN version)	(5)	dB(A)	44	46	47	48	49
Noise level - free cooling side only							
Noise power level - basic unit	(4)	dB(A)	76	76	77	79	79
Noise pressure level - basic unit	(5)	dB(A)	44	44	45	47	47
Noise power level (SLN version)	(4)	dB(A)	73	73	74	76	76
Noise pressure level (SLN version)	(5)	dB(A)	41	41	42	44	44
Basic version dimensions and weights							
Length		mm	3.449	4.604	4.604	6.894	6.894
Depth		mm	2.302	2.302	2.302	2.302	2.302
Height		mm	2.397	2.397	2.397	2.397	2.397
Operating weight		kg	0	0	0	0	0

(1) External air temperature 30°C ; evaporator ingoing-outgoing water temperature 10-15°C

(2) The total capacity is represented by the sum of the power absorbed by compressors and that absorbed by fans

(3) External air temperature 5°C; evaporator ingoing fluid temperature 15°C; 30% Glycol

(4) Noise power level measured according to ISO 3744

(5) Sound pressure levels measured at 10 metres from the unit in free field under nominal operating conditions, according to ISO 3744.

(6) For ST 2PS version

(7) With active free cooling

This data sheet shows the data of the basic and standard series; for further details refer to the specific documentation.