

اطلاعات فنی | TECHNICAL DATA

PERFORMANCES		Model	250	280	310	350	390	440	500	560
NOMINAL COOLING CAPACITY		kW	250,0	280,0	310,0	350,0	390,0	440,0	500,0	560,0
TOTAL NOMINAL ABSORBED POWER		kW	70,8	77,9	83,5	97,8	108,0	121,1	156,7	143,6
EER	W 12°C/7°C @ 35°C (1)	kW/kW	3,53	3,59	3,71	3,58	3,61	3,63	3,19	3,90
SEPR (HT) (3)		-	5,04	5,01	5,04	5,55	5,54	5,52	5,57	5,55
NOMINAL WATER FLOW		m3/h	43,0	48,1	53,3	60,1	67,0	75,6	85,9	96,2
MECHANICAL MODE PRESSURE DROPS (4) (5) (6)		kPa	47	58	58	53	53	61	49	48
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / CAPACITY CONTROL	nr.	1/1/27+108%	1/1/25+100%	1/1/20+101%	1/1/20+100%	1/1/16+102%	1/1/16+100%	2/2/26+102%	2/2/25+100%	
KIND OF EXPANSION ELEMENT	-	ETS	ETS	ETS	ETS	ETS	ETS	ETS	ETS	ETS
KIND OF EVAPORATOR	-	ST	ST	ST	ST	ST	ST	ST	ST	ST
ECONOMIZER		NO	NO	YES	NO	NO	YES	NO	NO	
TYPE OF ECONOMIZER	type	plate	plate	plate	plate	plate	plate	plate	plate	plate
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m3/h	32,0+72,0	33,0+82,0	49,0+90,0	49,0+108,0	57,0+113,0	57,0+113,0	68,0+137,0	81,0+162,0
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	8,30	8,30	10,20	10,20	10,20	16,22	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	14,10	14,10	17,40	17,40	17,40	26,60	26,60	26,60
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	16,22	16,22	24,85	24,85	24,85	24,85	31,88	31,88
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	26,60	26,60	42,40	42,40	42,40	42,40	53,50	53,50
HYDRAULIC CONNECTIONS (FLANGED/VICTAULIC) (8)	DN	DN100	DN100	DN100	DN125	DN125	DN125	DN125	DN125	DN150
FAN SECTION (AXIAL)										
FANS	nr.	4	6	6	6	8	8	8	8	10
MAXIMUM FANS ABSORBED POWER	EC	kW	7,36	11,04	11,04	11,04	14,72	14,72	14,72	18,40
MAXIMUM FANS ABSORBED CURRENT		A	15,32	22,98	22,98	22,98	30,64	30,64	30,64	38,30
TOTAL AIR FLOW		m3/h	82400	123600	123600	123600	164800	164800	164800	206000
TOTAL ELECTRIC DATA										
MAXIMUM ABSORBED CURRENT (F.L.A) (6)	A	150,3	158,0	158,0	233,0	240,6	240,6	310,6	308,3	
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	63,8	64,4	64,4	65,0	65,6	65,6	66,8	67,1
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	61,1	62,3	62,3	62,6	63,5	63,5	64,1	64,8
SOUND PRESSURE FOR SUPER LOW NOISE OPTION (SLN) (6) (7)		dB(A)	59,5	60,4	60,4	60,9	61,6	61,6	62,6	63,0
SOUND PRESSURE FOR EXTRA LOW NOISE OPTION (ELN) (6) (7)		dB(A)	58,1	59,3	59,3	59,6	60,5	60,5	61,1	61,8
DIMENSIONS AND WEIGHT										
LENGTH		mm	4600	4600	4600	5900	5900	5900	7200	7200
WIDTH		mm	2210	2210	2210	2210	2210	2210	2210	2210
HEIGHT		mm	2450	2450	2450	2450	2450	2450	2450	2450
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)		kg	3050	3100	3200	3600	3670	3750	5200	5250
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)		kg	3180	3250	3370	3780	3850	3930	5500	5600

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +12/+7 °C, ambient temperature = +35°C, fluid = Water
- (2) Available pressure can be calculated from Hitema Online Selection Software
- (3) SEPR: data comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers in the configuration with brazed plate or shell and tube evaporator and without pump. Any added option that modify cooling capacity or absorbed power of the chiller will not be considered in the SEPR value
- (4) Pressure drops taken in account: evaporator, piping
- (5) Data referred to standard chiller configuration as indicated in frigorific section, with different evaporator this data can change
- (6) Data referred to standard chiller configuration NP (no pump) and EC fans
- (7) Sound pressure level referred to measures according to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface
- (8) Flanged connections with one of next options: Pump, Double pump, Tank. Flanged connections standard for models 095+160

** pump P5 includes the soft start (SF) option

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PERFORMANCES	Model	620	700	780	850	920	1004	1110	1215
NOMINAL COOLING CAPACITY	kW	620,0	700,0	780,0	850,0	920,0	1004,0	1110,0	1215,0
TOTAL NOMINAL ABSORBED POWER	kW	171,1	195,7	224,3	234,4	260,1	273,3	321,7	338,8
EER	kW/kW	3,62	3,58	3,48	3,63	3,54	3,67	3,45	3,59
SEPR (HT) (3)	-	5,57	5,56	5,51	5,57	5,55	5,52	5,52	5,51
NOMINAL WATER FLOW	m ³ /h	106,5	120,3	134,0	146,0	158,1	172,5	190,7	208,7
MECHANICAL MODE PRESSURE DROPS (4) (5) (6)	kPa	55	64	68	65	68	66	76	89
FRIGORIFIC SECTION									
COMPRESSORS / REFRIGERATING CIRCUITS / CAPACITY CONTROL	nr.	2/2/20+102%	2/2/20+102%	2/2/17+106%	2/2/16+100%	2/2/16+100%	3/3/22+112%	3/3/22+100%	3/3/22+100%
KIND OF EXPANSION ELEMENT	-	ETS	ETS	ETS	ETS	ETS	ETS	ETS	ETS
KIND OF EVAPORATOR	-	ST	ST	ST	ST	ST	ST	ST	ST
ECONOMIZER		YES	NO	NO	YES	YES	NO	NO	YES
TYPE OF ECONOMIZER	type	plate	plate	plate	plate	plate	plate	plate	plate
HYDRAULIC SECTION									
WATER FLOW RANGE (6)	m ³ /h	94,0+188,0	102,0+203,0	108,0+210,0	117,0+210,0	124,0+227,0	125,0+250,0	141,0+270,0	141,0+270,0
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2) kW	16,22	23,51	23,51	23,51	31,88	31,88	31,88	31,88
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)	A	26,60	39,00	39,00	39,00	53,50	53,50	53,50	53,50
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2) kW	39,09	39,09	39,09	39,09	39,09	47,31**	47,31**	47,31**
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)	A	65,60	65,60	65,60	65,60	65,60	77,60	77,60	77,60
HYDRAULIC CONNECTIONS (FLANGED/VICTAULIC) (8)	DN	DN150	DN150	DN150	DN150	DN200	DN200	DN200	DN200
FAN SECTION (AXIAL)									
FANS	nr.	10	12	14	14	16	18	18	18
MAXIMUM FANS ABSORBED POWER	EC kW	18,40	22,08	25,76	25,76	29,44	33,12	33,12	33,12
MAXIMUM FANS ABSORBED CURRENT	A	38,30	45,96	53,62	53,62	61,28	68,94	68,94	68,94
TOTAL AIR FLOW	m ³ /h	206000	247200	288400	288400	329600	370800	370800	370800
TOTAL ELECTRIC DATA									
MAXIMUM ABSORBED CURRENT (F.L.A) (6)	A	308,3	466,0	473,6	473,6	481,3	698,9	698,9	698,9
NOISE DATA									
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	67,1	68,1	68,3	68,3	68,6	69,8	69,8	69,8
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	64,8	65,6	66,1	66,1	66,5	67,4	67,4	67,4
SOUND PRESSURE FOR SUPER LOW NOISE OPTION (SLN) (6) (7)	dB(A)	63,0	63,9	64,3	64,3	64,6	65,7	65,7	65,7
SOUND PRESSURE FOR EXTRA LOW NOISE OPTION (ELN) (6) (7)	dB(A)	61,8	62,6	63,1	63,1	63,5	64,4	64,4	64,4
DIMENSIONS AND WEIGHT									
LENGTH	mm	8500	9800	9800	11100	11100	12400	12400	12400
WIDTH	mm	2210	2210	2210	2210	2210	2210	2210	2210
HEIGHT	mm	2450	2450	2450	2450	2450	2450	2450	2450
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)	kg	5900	6550	6730	7450	7700	9100	9600	9600
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)	kg	6200	6900	7100	7900	8200	9650	10200	10200

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +12/+7 °C, ambient temperature = +35°C, fluid = Water
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