اطلاعات فنی | TECHNICAL DATA

PERFORMANCES		Model	240	300	350	430	500	610	700
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 40/45°C CONDENSER SIDE (1)	kW	232,8	291,0	339,5	417,1	485,0	591,7	679,0
NOMINAL HEATING CAPACITY (4)		kW	277,8	353,4	404,6	504,9	579,8	720,2	809,2
TOTAL NOMINAL ABSORBED POWER		kW	45,0	62,4	65,1	87,8	94,8	128,5	130,2
EER		kW/kW	5,17	4,67	5,22	4,75	5,12	4,61	5,22
COP (4)		kW/kW	6,17	5,67	6,22	5,75	6,12	5,61	6,22
SEPR (HT) (10)		-	7,03	7,03	8,01	8,02	8,04	8,05	8,02
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	39,9	49,9	58,2	71,5	83,2	101,5	116,4
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	47,6	60,6	69,4	86,6	99,4	123,5	138,8
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	34,5	43,4	42,2	46,2	41,8	50,9	55,9
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	11,5	12,5	13,4	15,4	41,2	39,4	39,3
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 30/35°C CONDENSER SIDE (2)	kW	240,0	300,0	350,0	430,0	500,0	610,0	700,0
NOMINAL HEATING CAPACITY (4)		kW	283,7	360,5	413,2	515,3	592,0	734,7	826,4
TOTAL NOMINAL ABSORBED POWER		kW	43,7	60,5	63,2	85,3	92,0	124,7	126,4
EER		kW/kW	5,49	4,96	5,54	5,04	5,43	4,89	5,54
COP (4)		kW/kW	6,49	5,96	6,54	6,04	6,43	5,89	6,54
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	41,2	51,4	60,0	73,7	85,7	104,6	120,0
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	48,6	61,8	70,9	88,4	101,5	126,0	141,7
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	36,7	46,1	44,8	49,1	44,4	54,1	59,4
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	12,0	13,0	14,0	16,0	43,0	41,0	41,0
FRIGORIFIC SECTION									
COMPRESSORS / REFRIGERATING CIRCUITS / CONDENSERS		nr.	1/1/1	1/1/1	1/1/1	1/1/1	2/1/1	2/1/1	2/1/1
COMPRESSORS STARTING METHOD		-	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
HYDRAULIC SECTION (6)									
WATER FLOW RANGE, EVAPORATOR SIDE (TOTAL)		m3/h	32÷64	36÷73	43÷86	63÷126	73÷140	85÷160	85÷160
WATER FLOW RANGE, CONDENSER SIDE (EACH)		m3/h	40÷80	52÷104	59÷119	68÷136	70÷139	75÷150	75÷160
HYDRAULIC CONNECTIONS, EVAPORATOR SIDE (VICTAULIC)		DN	100	100	125	125	150	150	150
HYDRAULIC CONNECTIONS, CONDENSER SIDE (FLANGED)		DN	100	125	125	125	125	150	150
TOTAL ELECTRIC DATA									
MAXIMUM ABSORBED CURRENT (F.L.A)		A	145,0	145,0	231,0	231,0	290,0	290,0	462,0
MAXIMUM PEAK CURRENT (L.R.A) (9)		A	20,0	20,0	20,0	20,0	165,0	165,0	251,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (9)		A	16,0	16,0	16,0	16,0	161,0	161,0	247,0
NOISE DATA									
SOUND PRESSURE FOR STANDARD CONFIGURATION		dB(A)	62,0	62,0	63,0	63,0	65,0	65,0	66,0
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ)		dB(A)	57,0	57,0	58,0	58,0	60,0	60,0	61,0
DIMENSIONS AND WEIGHT									
LENGTH		mm	2600	2600	2600	2600	3900	3900	4000
WIDTH		mm	1500	1500	1500	1500	1600	1600	1600
HEIGHT		mm	2000	2000	2000	2000	2000	2000	2000
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (8)		kg	2250	2850		3000	3650	3700	3800
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (8)		kg	2380	3000	3070	3200	3890	3990	4120

Data referred to:

(1) Data referred to inlet/outlet water temperatures: evaporator side = +12/+7 °C (fluid = Water), condenser side = +30/35°C (fluid = Water)
(2) Data referred to inlet/outlet water temperatures: evaporator side = +12/+7 °C (fluid = Water), condenser side = +40/45°C (fluid = Water) (3) Pressure drops taken in account: heat exchanger, valves, piping
(4) Water cooled chillers can be used as not reversible heat pumps, this kind of application must be indicated in the order
(5) Data referred to standard chiller configuration (no one condensing temperature control system), with different condensing temperature control system this data will change
(6) You can match an hydromodule with this chiller: go to select it at https://www.hitema.com/standard-products/hydro-module
(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) Weight will be confirmed in case of order
(9) Data referred to standard compressors starting method, with different starting method this data will change
(10) 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

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PERFORMANCES		Model	870	930	1050	1290	1460	1730	1960
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 40/45°C CONDENSER SIDE (1)	kW	834,2	902,1	1018,5	1251,3	1416,2	1668,4	1901,2
NOMINAL HEATING CAPACITY (4)		kW	1009,9	1104,3	1213,7	1514,8	1690,6	2019,8	2279,6
TOTAL NOMINAL ABSORBED POWER		kW	175,7	202,2	195,2	263,5	274,4	351,4	378,4
EER		kW/kW	4,75	4,46	5,22	4,75	5,16	4,75	5,02
COP (4)		kW/kW	5,75	5,46	6,22	5,75	6,16	5,75	6,02
SEPR (HT) (10)		-	8,06	7,06	7,02	7,01	8,05	8,00	8,04
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	143,0	154,7	174,7	214,6	242,9	286,1	326,0
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	173,2	189,4	208,1	259,8	289,9	346,4	390,9
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	69,2	537,1	471,2	616,6	474,9	375,4	463,5
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	40,3	36,5	37,4	35,5	37,4	43,2	41,3
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 30/35°C CONDENSER SIDE (2)	kW	860,0	930,0	1050,0	1290,0	1460,0	1720,0	1960,0
NOMINAL HEATING CAPACITY (4)		kW	1030,6	1126,3	1239,5	1545,8	1726,4	2061,1	2327,4
TOTAL NOMINAL ABSORBED POWER		kW	170,6	196,3	189,5	255,8	266,4	341,1	367,4
EER		kW/kW	5,04	4,74	5,54	5,04	5,48	5,04	5,33
COP (4)		kW/kW	6,04	5,74	6,54	6,04	6,48	6,04	6,33
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	147,5	159,5	180,1	221,2	250,4	294,9	336,1
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	176,7	193,1	212,6	265,1	296,0	353,4	399,1
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	73,6	570,9	500,8	655,3	504,7	398,9	492,7
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	42,0	38,0	39,0	37,0	39,0	45,0	43,0
FRIGORIFIC SECTION									
COMPRESSORS / REFRIGERATING CIRCUITS / CONDENSER		nr.	2/1/1	3/1/1	3/1/1	3/1/1	4/1/1	4/1/1	5/1/1
COMPRESSORS STARTING METHOD		-	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
HYDRAULIC SECTION (6)									
WATER FLOW RANGE, EVAPORATOR SIDE (TOTAL)		m3/h	462,0	32÷59	39÷78	45÷91	52÷103	58÷116	71÷142
WATER FLOW RANGE, CONDENSER SIDE (EACH)		m3/h	251,0	102÷204	130÷225	140÷323	165÷380	195÷395	201÷442
HYDRAULIC CONNECTIONS, EVAPORATOR SIDE (VICTAULIC)		DN	247,0	150	150	200	200	250	250
HYDRAULIC CONNECTIONS, CONDENSER SIDE (FLANGED)		DN	150	150	200	200	200	250	250
TOTAL ELECTRIC DATA									
MAXIMUM ABSORBED CURRENT (F.L.A)		A	462,0	435,0	693,0	693,0	924,0	924,0	1155,0
MAXIMUM PEAK CURRENT (L.R.A)(9)		A	251,0	310,0	482,0	482,0	713,0	713,0	944,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A)(9)		A	247,0	306,0	478,0	478,0	709,0	709,0	940,0
NOISE DATA									
SOUND PRESSURE FOR STANDARD CONFIGURATION		dB(A)	66,0	66,8	67,8	67,8	69,0	69,0	70,0
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ)		dB(A)	61,0	61,8	62,8	62,8	64,0	64,0	65,0
DIMENSIONS AND WEIGHT									
LENGTH		mm	4000	4200	4200	4200	5000	5000	5000
WIDTH		mm	1600	1800	1800	1800	2210	2210	2210
HEIGHT		mm	2000	2100	2100	2100	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (8)		kg	3900	4250	4650	5250	6300	7180	7950
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (8)		kg	4300	4720	5200	5850	7120	8180	9050

Data referred to:

(1) Data referred to inlet/outlet water temperatures: evaporator side = +12/+7 °C (fluid = Water), condenser side = +30/35°C (fluid = Water)
(2) Data referred to inlet/outlet water temperatures: evaporator side = +12/+7 °C (fluid = Water), condenser side = +40/45°C (fluid = Water) (3) Pressure drops taken in account: heat exchanger, valves, piping
(4) Water cooled chillers can be used as not reversible heat pumps, this kind of application must be indicated in the order
(5) Data referred to standard chiller configuration (no one condensing temperature control system), with different condensing temperature control system this data will change
(6) You can match an hydromodule with this chiller: go to select it at https://www.hitema.com/standard-products/hydro-module
(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) Weight will be confirmed in case of order
(9) Data referred to standard compressors starting method, with different starting method this data will change
(10) 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

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PERFORMANCES		Model	2150	2450	2600	2950	3200
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 40/45°C CONDENSER SIDE (1)	kW	2085,5	2374,6	2473,5	2858,6	3104,0
NOMINAL HEATING CAPACITY (4)		kW	2524,7	2857,3	2989,9	3451,4	3728,1
TOTAL NOMINAL ABSORBED POWER		kW	439,2	482,7	516,4	592,8	624,1
EER		kW/kW	4,75	4,92	4,79	4,82	4,97
COP (4)		kW/kW	5,75	5,92	5,79	5,82	5,97
SEPR (HT) (10)		-	8,06	8,06	8,01	8,04	8,02
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	357,6	407,2	424,2	490,2	532,3
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	432,9	490,0	512,7	591,9	639,3
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	382,9	518,1	439,5	457,3	489,5
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	44,2	40,3	44,2	44,2	45,1
NOMINAL COOLING CAPACITY	W 12°C/7°C EVAPORATOR SIDE W 30/35°C CONDENSER SIDE (2)	kW	2150,0	2448,0	2550,0	2947,0	3200,0
NOMINAL HEATING CAPACITY (4)		kW	2576,4	2916,7	3051,4	3522,5	3805,9
TOTAL NOMINAL ABSORBED POWER		kW	426,4	468,7	501,4	575,5	605,9
EER		kW/kW	5,04	5,22	5,09	5,12	5,28
COP (4)		kW/kW	6,04	6,22	6,09	6,12	6,28
NOMINAL WATER FLOW, EVAPORATOR SIDE (TOTAL)		m3/h	368,7	419,8	437,3	505,4	548,7
NOMINAL WATER FLOW, CONDENSER SIDE (EACH)		m3/h	441,8	500,2	523,3	604,1	652,6
MECHANICAL MODE PRESSURE DROPS, EVAPORATOR SIDE (3)		kPa	407,0	550,7	467,1	486,0	520,2
MECHANICAL MODE PRESSURE DROPS, CONDENSER SIDE (5)		kPa	46,0	42,0	46,0	46,0	47,0
FRIGORIFIC SECTION							
COMPRESSORS / REFRIGERATING CIRCUITS / CONDENSER		nr.	5/1/1	6/1/1	6/1/1	7/1/1	8/1/1
COMPRESSORS STARTING METHOD		-	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
HYDRAULIC SECTION (6)							
WATER FLOW RANGE, EVAPORATOR SIDE (TOTAL)		m3/h	81÷162	96÷192	120÷224	129÷258	147÷294
WATER FLOW RANGE, CONDENSER SIDE (EACH)		m3/h	212÷488	252÷580	285÷600	305÷671	329÷800
HYDRAULIC CONNECTIONS, EVAPORATOR SIDE (VICTAULIC)		DN	250	300	300	300	300
HYDRAULIC CONNECTIONS, CONDENSER SIDE (FLANGED)		DN	250	300	300	300	300
TOTAL ELECTRIC DATA							
MAXIMUM ABSORBED CURRENT (F.L.A)		A	1155,0	1386,0	1386,0	1617,0	1848,0
MAXIMUM PEAK CURRENT (L.R.A)(9)		A	944,0	1175,0	1175,0	1406,0	1637,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A)(9)		A	940,0	1171,0	1171,0	1402,0	1633,0
NOISE DATA							
SOUND PRESSURE FOR STANDARD CONFIGURATION		dB(A)	70,0	70,8	70,8	71,5	72,0
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ)		dB(A)	65,0	65,8	65,8	66,5	67,0
DIMENSIONS AND WEIGHT							
LENGTH		mm	5000	6000	6200	7400	7400
WIDTH		mm	2210	2210	2210	2210	2210
HEIGHT		mm	2500	2500	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (8)		kg	8380	8530	9000	9600	10300
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (8)		kg	9570	10000	10500	11400	11600

Data referred to:

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