



TEAM
AIR POWER

**PRP / HPRP
R290 PROPANE SERIES**



DISCOVER HITEMA® CUSTOMIZED APPLICATIONS

choose your customized configuration



ENR/ENRF SERIES
1,6kW ÷ 440kW

CSE SERIES
30kW ÷ 377kW

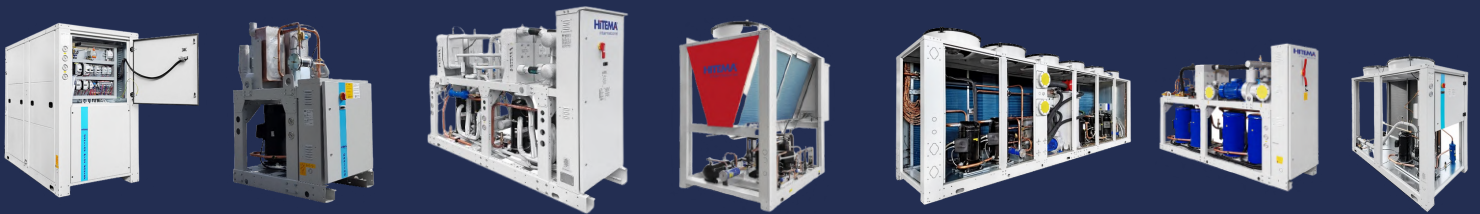
CFT SERIES
7,9kW ÷ 410kW

ENR-IR SERIES
8kW ÷ 200kW

ENRC SERIES
7,4kW ÷ 375kW

HNR SERIES
14kW ÷ 95kW
15kW ÷ 104kW

UNTIL 400KW



ENW SERIES
3,8kW ÷ 424kW

CFTW SERIES
50kW ÷ 371kW

HFTW SERIES
100kW ÷ 400kW
80kW ÷ 370kW

SBS-HP SERIES
61,2kW - 81,4kW -
105,8kW

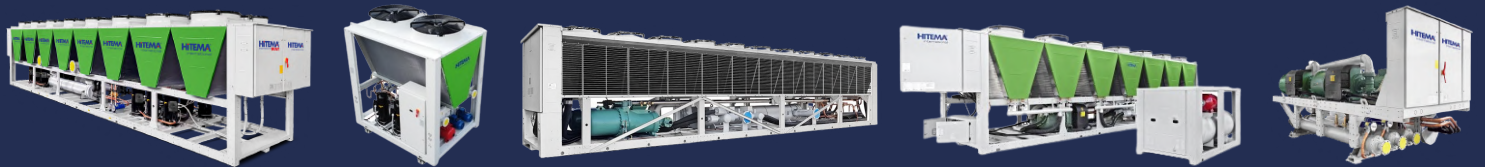
HFT SERIES
16kW ÷ 345kW

CFTC SERIES
50kW ÷ 370kW

MTC SERIES
8kW ÷ 430kW

CUSTOMIZED FOR YOU

with more than 100 OPTIONS available it is easy to customized your Chillers



SBS/SBSF SERIES
SBSF-OPT SERIES
94kW ÷ 1288kW

SBS-MC SERIES
95kW ÷ 180kW

NOVA/NOVAF SERIES
266kW ÷ 2136kW

DTS/DTSF SERIES NEW!
ISV-ISVF SERIES
266kW ÷ 2136kW

EWB SERIES
291kW ÷ 2240kW

UNTIL 3000KW



CWB SERIES
291kW ÷ 2240kW

HBS SERIES
211kW - 750kW

TFW SERIES
250kW ÷ 3000kW

TFV/TFVF SERIES
250kW ÷ 1215kW

PRP/HPRP SERIES
130kW ÷ 520kW
55kW ÷ 330kW

HYD SERIES
400L ÷ 5000L

PRP-M SERIES

*Air-Cooled liquid Chillers, R290 refrigerant
EC axial fans
IP54 protection rating
Suitable ONLY for OUTDOOR installation*



SERIES: PRP-M	DATE: 04/10/2021
CODE: TTD-PRP-M-01	UPDATE: -
CHECKED BY:	M. Burba



Modular air-cooled liquid chillers PRP series designed to minimize the refrigerant charge, reciprocating compressors, R290 refrigerant, brazed plate evaporator, aluminium microchannel condenser, AC axial fans regulated with cut phase speed regulator. Electrical feed 400V/3ph/50Hz. IP54 protection rating, chillers suitable only for outdoor installation in open air (10). Leak detection system included.
You can connect up to 8 modules in parallel with a single power supply point into a master control panel installed onboard of the first module.

Available Models configurations:

HT = configuration for leaving water temperature down to 5°C with standard frigorific circuit

MT = configuration for leaving water temperature below 5°C with the adding of liquid-suction heat exchanger on the frigorific circuit that permit to subcooling liquid refrigerant to prevent flash gas formation at inlet to expansion valve and fully evaporating any residual liquid that may remain in the liquid-suction prior to reaching the compressor

TECHNICAL DATA

PERFORMANCES		Model	080	095	120	145	160	190	240	290
PRP-HT (1)	NOMINAL COOLING CAPACITY (8)	kW	84,9	97,3	124,5	138,8	169,8	194,7	248,9	277,6
	TOTAL NOMINAL ABSORBED POWER	kW	24,7	30,0	44,9	51,3	49,4	60,1	89,9	102,5
	EER	kW/kW	3,02	2,91	2,58	2,54	3,02	2,91	2,58	2,54
	REFRIGERANT CHARGE (8) (10)	kg	13	13	13	13	13 + 13	13 + 13	13 + 13	13 + 13
	NOMINAL WATER FLOW	m3/h	14,6	16,7	21,4	23,8	29,3	33,4	42,8	47,7
PRP-MT (2)	SINGLE MODULE PRESSURE DROPS (4)	kPa	45	56	48	48	45	56	48	48
	MULTIPLE MODULES PRESSURE DROPS (5)	kPa	54	69	70	69	54	69	70	69
	NOMINAL COOLING CAPACITY (8)	kW	58,1	65,9	80,9	86,0	116,2	131,7	161,8	172,0
	TOTAL NOMINAL ABSORBED POWER	kW	19,9	24,1	35,7	40,7	39,8	48,2	71,4	81,5
	EER	kW/kW	2,50	2,40	2,07	1,95	2,50	2,40	2,07	1,95
FRIGORIFIC SECTION	REFRIGERANT CHARGE (8) (10)	kg	15	15	15	15	15 + 15	15 + 15	15 + 15	15 + 15
	NOMINAL WATER FLOW	m3/h	13,9	15,6	19,3	20,5	27,8	31,2	38,6	41,1
	SINGLE MODULE PRESSURE DROPS (4)	kPa	57	69	55	50	57	69	55	50
	MULTIPLE MODULES PRESSURE DROPS (5)	kPa	66	80	72	70	66	80	72	70
	FRIGORIFIC SECTION									
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	1/1/1	1/1/1	1/1/1	1/1/1	2/2/2	2/2/2	2/2/2	2/2/2
HYDRAULIC SECTION (3)										
WATER FLOW RANGE		m3/h	9÷22	9÷22	16÷40	16÷40	20÷50	20÷50	34÷80	34÷80
HYDRAULIC CONNECTIONS FOR SINGLE MODULE (FLANGED)		DN	50	50	65	65	80	80	100	100
HEADERS CONNECTIONS SIZE (VICTAULIC) (9)		DN	150	150	150	150	150	150	150	150
FAN SECTION (AXIAL)										
FANS		nr.	2	2	2	2	4	4	4	4
AC	MAXIMUM FANS ABSORBED POWER	kW	3,68	3,68	3,68	3,68	7,36	7,36	7,36	7,36
	MAXIMUM FANS ABSORBED CURRENT	A	7,66	7,66	7,66	7,66	15,32	15,32	15,32	15,32
	TOTAL AIR FLOW	m3/h	41160	41160	41160	41160	82320	82320	82320	82320
EC	MAXIMUM FANS ABSORBED POWER (OPTION EC)	kW	5,12	5,12	5,12	5,12	10,24	10,24	10,24	10,24
	MAXIMUM FANS ABSORBED CURRENT (OPTION EC)	A	7,80	7,80	7,80	7,80	15,60	15,60	15,60	15,60
	TOTAL AIR FLOW (OPTION EC)	m3/h	43520	43520	43520	43520	87040	87040	87040	87040
TOTAL ELECTRIC DATA (8)										
MAXIMUM ABSORBED CURRENT (F.L.A)		A	68,7	82,3	111,0	118,9	137,3	164,5	221,9	237,7
MAXIMUM PEAK CURRENT (PART WINDING START) (L.R.A)		A	159,2	188,6	390,0	417,0	227,9	270,9	501,0	535,9
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A)		A	127,4	150,9	312,0	333,6	196,0	233,1	423,0	452,5
NOISE DATA (6) (8)										
SOUND PRESSURE FOR STANDARD CONFIGURATION		dB(A)	59,2	59,5	60,5	64,0	62,2	62,5	63,5	67,0
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ)		dB(A)	57,4	57,9	59,5	60,5	60,4	61,0	62,5	63,5
SOUND PRESSURE FOR SUPER LOW NOISE OPTION (SLN)		dB(A)	55,3	55,7	58,1	59,4	58,3	58,7	61,1	62,5
DIMENSIONS AND WEIGHT										
LENGTH (SINGLE MODULE, HEADERS EXCLUDED)		mm	1610	1610	1610	1610	3300	3300	3300	3300
LENGTH (MULTIPLE MODULES, HEADERS INCLUDED)		mm	1662	1662	1662	1662	3580	3580	3580	3580
WIDTH (SINGLE MODULE, HEADERS EXCLUDED)		mm	2590	2590	2590	2590	2210	2210	2210	2210
WIDTH (MULTIPLE MODULES, HEADERS INCLUDED)		mm	2870	2870	2870	2870	2254	2254	2254	2254
HEIGHT		mm	2500	2500	2500	2500	2500	2500	2500	2500
WEIGHT EMPTY (7) (8)		kg	1390	1395	1465	1480	2165	2175	2245	2260
WEIGHT OPERATIVE (7) (8)		kg	1450	1455	1525	1540	2215	2225	2295	2320

The manufacturer reserves the right to modify specifications without notice.

Last update: 12/10/2020
Revision: 01-2020

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +12/+7 °C, ambient temperature = +35°C, fluid = Water, AC fans
- (2) Data referred to inlet/outlet water temperature = -4/-8 °C, ambient temperature = +35°C, fluid = 70% Water + 30% Ethylene Glycol, AC fans
- (3) Pump and tank can be supplied in a separate hydro-module (HITEMA HYD series)
- (4) Pressure drops taken in account: evaporator, piping
- (5) Pressure drops taken in account: evaporator, automatic isolation valves, circuit setter balancing valve, one way valve, piping
- (6) Sound pressure level referred to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface
- (7) Weight referred to PRP-LT version, multiple module configuration. Weight to be confirmed in case of order
- (8) Data referred to standard chiller configuration NP (no pump), aluminium microchannel condenser and AC fans
- (9) Headers connection size is valid for a maximum flow rate of 191 m3/h in multi-module configuration. Dimensions will increase for greater flow rate
- (10) PRP series can be installed only in an area with c access category (as per chapter 5.1.1 of EN 378-1:2016) in open air, class III location (as per chapter 5.3 of EN 378-1:2016)

HPRP SERIES

*Air-Cooled reversible Heatpumps, R290 refrigerant
EC axial fans*

*IP54 protection rating, leak detection system
Suitable ONLY for OUTDOOR installation*



SERIES: HPRP	DATE: 27/12/2021
CODE: TTD-HPRP-01	UPDATE: -
CHECKED BY:	M. Buiba



Reversible heat-pumps **HPRP series**, PISTONS compressors, R290 refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, EC axial fans, electronic expansion valve.
IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available evaporators:

B-ES = stainless steel brazed plate evaporator



TECHNICAL DATA

PERFORMANCES		Model	055	063	085	100	120	152	180	200
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	56,8	62,8	86,8	113,7	125,6	153,4	179,0	212,6
TOTAL NOMINAL ABSORBED POWER		kW	17,8	19,9	28,7	35,5	39,7	48,0	58,1	73,4
EER		kW/kW	3,20	3,16	3,02	3,20	3,16	3,20	3,08	2,90
SEPR (HT) (3)		-	5,72	5,73	5,71	5,69	5,97	6,16	5,89	6,07
NOMINAL WATER FLOW (5)		m3/h	9,8	10,8	14,9	19,5	21,6	26,4	30,7	36,5
MECHANICAL MODE PRESSURE DROPS (4)		kPa	40	32	45	40	48	35	34	45
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	1/1/2	1/1/2	1/1/2	2/2/4	2/2/4	2/2/4	2/2/4	2/2/4
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m3/h	6÷12	8÷17	8÷17	13÷23	16÷35	16÷35	20÷40	29÷53
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	2,53	2,53	2,53	3,46	4,56	4,56	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4,56	4,56	4,56	6,33	7,75	7,75	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	6,12	6,12	6,12	6,12	10,20	10,20	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	17,40	17,40	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	2"	2"	2"	DN65	DN65	DN65	DN80	DN80
FAN SECTION (AXIAL)										
FANS		nr.	2	2	2	4	4	4	4	6
MAXIMUM FANS ABSORBED POWER	EC	kW	3,88	3,88	3,88	7,76	7,76	7,76	7,76	11,64
MAXIMUM FANS ABSORBED CURRENT		A	7,80	7,80	7,80	15,60	15,60	15,60	15,60	23,40
TOTAL AIR FLOW		m3/h	41166	41166	41166	82332	82332	82332	82332	123498
TOTAL ELECTRIC DATA										
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	41,5	46,1	61,5	82,9	92,2	106,2	122,9	158,6
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	126,1	140,4	167,0	167,6	186,5	205,4	228,5	306,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	102,4	113,9	135,2	143,9	160,0	176,5	196,6	263,0
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	57,8	58,5	59,3	60,8	61,5	61,8	62,3	63,5
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	57,3	57,5	57,9	60,3	60,5	60,7	60,9	62,4
DIMENSIONS AND WEIGHT										
LENGTH		mm	1610	1610	1610	2910	2910	2910	2910	4210
WIDTH		mm	2210	2210	2210	2210	2210	2210	2210	2210
HEIGHT		mm	2500	2500	2500	2500	2500	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	1030	1200	1250	1900	2100	2200	2320	2740
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	1050	1225	1280	1950	2170	2280	2400	2840

The manufacturer reserves the right to modify specifications without notice.

Last update: 05/10/2021
Revision: 00-2021

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
- (4) Pressure drops taken in account: evaporator, valves, piping
- (5) Water flow is different from heating mode, assuming that an inverter pump will be used
- (6) Data referred to standard chiller configuration NP (no pump) and AC 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

* For the configuration DPH (double pump P5) the chiller width will be 1305mm

** For the configurations DP or DPH (double pump P3 or double pump P5) the chiller width will be 1305mm

Reversible heat-pumps **HPRP series**, PISTONS compressors, R290 refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, EC axial fans, electronic expansion valve.
IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available evaporators:
B-ES = stainless steel brazed plate evaporator

 **COOLING**

TECHNICAL DATA

PERFORMANCES		Model	235	260	290	330
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	237,9	261,4	286,4	330,9
TOTAL NOMINAL ABSORBED POWER		kW	77,1	86,2	100,3	115,1
EER		kW/kW	3,09	3,03	2,86	2,87
SEPR (HT) (3)		-	6,21	6,47	6,17	5,90
NOMINAL WATER FLOW (5)		m ³ /h	40,9	44,9	49,2	56,8
MECHANICAL MODE PRESSURE DROPS (4)		kPa	43	42	40	40
FRIGORIFIC SECTION						
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	2/2/4	2/2/4	2/2/4	2/2/4
HYDRAULIC SECTION						
WATER FLOW RANGE (6)		m ³ /h	29÷53	29÷53	36÷66	36÷70
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	8,30	8,30	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	14,10	14,10	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	16,22	16,22	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	26,60	26,60	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN80	DN80	DN100	DN100
FAN SECTION (AXIAL)						
FANS		nr.	6	6	8	8
MAXIMUM FANS ABSORBED POWER	AC	kW	11,64	11,64	15,52	15,52
MAXIMUM FANS ABSORBED CURRENT		A	23,40	23,40	31,20	31,20
TOTAL AIR FLOW		m ³ /h	123498	123498	164664	164664
TOTAL ELECTRIC DATA						
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	173,7	196,0	224,8	250,1
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	356,6	435,7	518,0	557,6
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	305,0	370,5	440,0	474,2
NOISE DATA						
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	63,6	65,7	66,6	67,8
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	62,5	63,5	64,5	65,1
DIMENSIONS AND WEIGHT						
LENGTH		mm	4210	4210	5900	5900
WIDTH		mm	2210	2210	2210	2210
HEIGHT		mm	2500	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	2850	3270	3900	4050
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	2950	3370	4000	4180

The manufacturer reserves the right to modify specifications without notice.

Last update: 28/07/2020
Revision: 00-2020

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
- (4) Pressure drops taken in account: evaporator, valves, piping
- (5) Water flow is different from heating mode, assuming that an inverter pump will be used
- (6) Data referred to standard chiller configuration NP (no pump) and AC 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

* For the configuration DPH (double pump P5) the chiller width will be 1305mm

** For the configurations DP or DPH (double pump P3 or double pump P5) the chiller width will be 1305mm

Reversible heat-pumps **HPRP series**, PISTONS compressors, R290 refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, EC axial fans, electronic expansion valve.
IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available evaporators:

B-ES = stainless steel brazed plate evaporator

HEATING

TECHNICAL DATA

PERFORMANCES		Model	055	063	085	100	120	152	180	200
NOMINAL COOLING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	59,0	65,7	92,2	117,9	130,9	159,0	184,4	219,3
TOTAL NOMINAL ABSORBED POWER		kW	18,7	20,4	28,4	37,5	42,2	48,8	56,8	73,0
EER		kW/kW	3,15	3,21	3,24	3,15	3,10	3,26	3,24	3,00
SEPR (HT) (3)		-	3,15	3,21	3,24	3,15	3,10	3,26	3,24	3,00
NOMINAL WATER FLOW (5)		m ³ /h	10,1	11,3	15,8	20,3	22,5	27,3	31,7	37,7
MECHANICAL MODE PRESSURE DROPS (4)		kPa	40	32	45	38	48	37	37	49
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	1/1/2	1/1/2	1/1/2	2/2/4	2/2/4	2/2/4	2/2/4	2/2/4
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m ³ /h	6÷12	8÷17	8÷17	13÷23	16÷35	16÷35	20÷40	29÷53
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	2,53	2,53	2,53	3,46	4,56	4,56	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4,56	4,56	4,56	6,33	7,75	7,75	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	6,12	6,12	6,12	6,12	10,20	10,20	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	17,40	17,40	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	2"	2"	2"	DN65	DN65	DN65	DN80	DN80
FAN SECTION (AXIAL)										
FANS		nr.	2	2	2	4	4	4	4	6
MAXIMUM FANS ABSORBED POWER	EC	kW	3,88	3,88	3,88	7,76	7,76	7,76	7,76	11,64
MAXIMUM FANS ABSORBED CURRENT		A	7,80	7,80	7,80	15,60	15,60	15,60	15,60	23,40
TOTAL AIR FLOW		m ³ /h	41166	41166	41166	82332	82332	82332	82332	123498
TOTAL ELECTRIC DATA										
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	41,5	46,1	61,5	82,9	92,2	106,2	122,9	158,6
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	126,1	140,4	167,0	167,6	186,5	205,4	228,5	306,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	102,4	113,9	135,2	143,9	160,0	176,5	196,6	263,0
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	57,8	58,5	59,3	60,8	61,5	61,8	62,3	63,5
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	57,3	57,5	57,9	60,3	60,5	60,7	60,9	62,4
DIMENSIONS AND WEIGHT										
LENGTH		mm	1610	1610	1610	2910	2910	2910	2910	4210
WIDTH		mm	2210	2210	2210	2210	2210	2210	2210	2210
HEIGHT		mm	2500	2500	2500	2500	2500	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	1030	1200	1250	1900	2100	2200	2320	2740
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	1050	1225	1280	1950	2170	2280	2400	2840

The manufacturer reserves the right to modify specifications without notice.

Last update: 05/10/2021
Revision: 00-2021

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +40/+45 °C, ambient temperature = +7°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
- (4) Pressure drops taken in account: evaporator, valves, piping
- (5) Water flow is different from heating mode, assuming that an inverter pump will be used
- (6) Data referred to standard chiller configuration NP (no pump) and AC 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

* For the configuration DPH (double pump P5) the chiller width will be 1305mm

** For the configurations DP or DPH (double pump P3 or double pump P5) the chiller width will be 1305mm

Reversible heat-pumps **HPRP series**, PISTONS compressors, R290 refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, EC axial fans, electronic expansion valve.
IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available evaporators:

B-ES = stainless steel brazed plate evaporator

HEATING

TECHNICAL DATA

PERFORMANCES		Model	235	260	290	330
NOMINAL COOLING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	247,5	270,1	319,9	357,1
TOTAL NOMINAL ABSORBED POWER		kW	78,5	85,6	100,4	113,9
EER		kW/kW	3,15	3,15	3,18	3,14
SEPR (HT) (3)		-	3,15	3,15	3,18	3,14
NOMINAL WATER FLOW (5)		m ³ /h	42,5	46,4	54,9	61,3
MECHANICAL MODE PRESSURE DROPS (4)		kPa	43	41	46	42
FRIGORIFIC SECTION						
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	2/2/4	2/2/4	2/2/4	2/2/4
HYDRAULIC SECTION						
WATER FLOW RANGE (6)		m ³ /h	29÷53	29÷53	36÷66	36÷70
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	8,30	8,30	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	14,10	14,10	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	16,22	16,22	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	26,60	26,60	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN80	DN80	DN100	DN100
FAN SECTION (AXIAL)						
FANS		nr.	6	6	8	8
MAXIMUM FANS ABSORBED POWER	AC	kW	11,64	11,64	15,52	15,52
MAXIMUM FANS ABSORBED CURRENT		A	23,40	23,40	31,20	31,20
TOTAL AIR FLOW		m ³ /h	123498	123498	164664	164664
TOTAL ELECTRIC DATA						
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	173,7	196,0	224,8	250,1
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	356,6	435,7	518,0	557,6
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	305,0	370,5	440,0	474,2
NOISE DATA						
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	63,6	65,7	66,6	67,8
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	62,5	63,5	64,5	65,1
DIMENSIONS AND WEIGHT						
LENGTH		mm	4210	4210	5900	5900
WIDTH		mm	2210	2210	2210	2210
HEIGHT		mm	2500	2500	2500	2500
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	2850	3270	3900	4050
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	2950	3370	4000	4180

The manufacturer reserves the right to modify specifications without notice.

Last update: 28/07/2020
Revision: 00-2020

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +40/+45 °C, ambient temperature = +7°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
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** For the configurations DP or DPH (double pump P3 or double pump P5) the chiller width will be 1305mm

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