



TEAM

AIR POWER

HFT SERIES



DISCOVER HITEMA® CUSTOMIZED APPLICATIONS

choose your customized configuration



ENR/ENRF SERIES
1,6kW ÷ 440kW

CSE SERIES
30kW ÷ 377kW

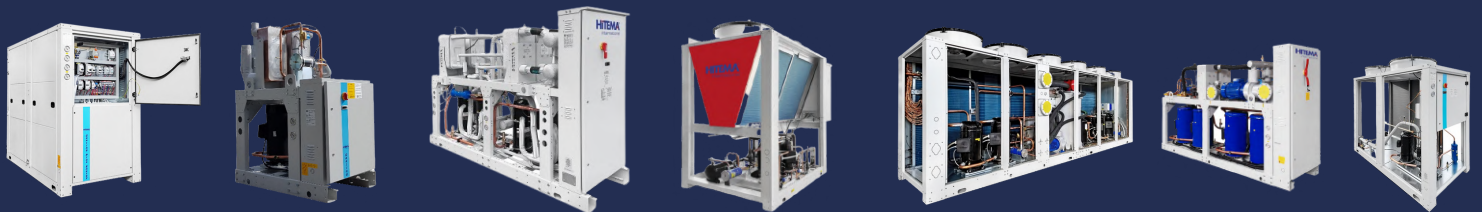
CFT SERIES
7,9kW ÷ 410kW

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

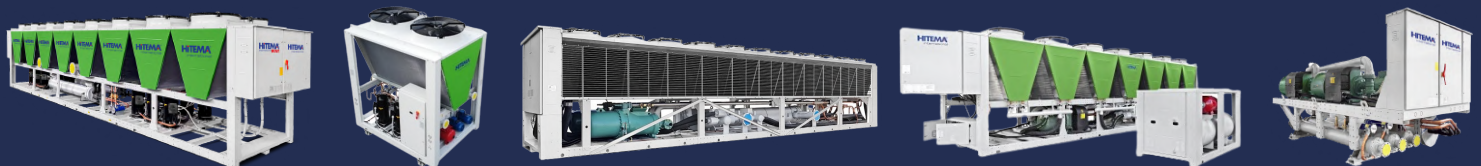
HFT SERIES
16kW ÷ 345kW

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

HFT SERIES

*Reversible Heat-Pumps
AC axial fans with RV
IP54 protection rating
Suitable for OUTDOOR installation*



SERIES: HFT	DATE: 29/09/2021
CODE: TTD-HFT-00	UPDATE: -
CHECKED BY	M. Burba



Reversible heat-pumps **HFT series**, scroll compressors, R410A / R32 / R454B refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, AC axial fans controlled by cut-phase speed regulator, electronic expansion valve. IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available condensers:

B-ES = stainless steel brazed plate condenser

HEATING

TECHNICAL DATA

PERFORMANCES		Model	016	018	022	025	030	038	045	055
NOMINAL HEATING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	16,4	18,5	25,3	28,2	31,9	40,7	48,0	59,6
TOTAL NOMINAL ABSORBED POWER		kW	4,9	5,5	7,2	8,0	9,6	11,6	13,4	16,7
COP		kW/kW	3,33	3,38	3,51	3,50	3,34	3,50	3,58	3,57
SCOP (3)		-	2,77	2,80	2,92	2,90	3,05	3,26	3,62	3,61
NOMINAL WATER FLOW		m ³ /h	2,8	3,2	4,4	4,8	5,5	7,0	8,2	10,2
MECHANICAL MODE PRESSURE DROPS (4)		kPa	73	50	48	59	75	54	46	59
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m ³ /h	1,8÷4,2	2,5÷5	3÷6	3÷6	3,5÷6	6÷12	6÷12	6÷12
MAXIMUM PUMP ABSORBED POWER (OPTION WP OR DP)	P3 (2)	kW	0,98	0,98	1,28	1,28	1,28	2,20	2,20	2,20
MAXIMUM PUMP ABSORBED CURRENT (OPTION WP OR DP)		A	1,78	1,78	2,37	2,37	2,37	4,24	4,24	4,24
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	1,47	1,47	1,47	1,47	1,47	2,94	2,94	2,94
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	2,86	2,86	2,86	2,86	2,32	5,83	5,83	5,83
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
TANK VOLUME		dm ³	110	110	200	200	200	200	200	200
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	8	8	12	12	12	12	12	12
FAN SECTION (AXIAL)										
FANS		nr.	1	1	2	2	2	2	2	2
MAXIMUM FANS ABSORBED POWER	AC	kW	0,68	0,68	1,44	1,44	1,44	1,62	1,44	1,62
MAXIMUM FANS ABSORBED CURRENT		A	3,00	3,00	2,82	2,82	2,82	3,08	2,82	3,08
TOTAL AIR FLOW		m ³ /h	7298	6579	15298	15298	15298	16200	14267	15000
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	13,1	15,1	17,2	19,4	23,0	27,6	32,8	41,3
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	67,0	78,0	97,8	113,8	141,8	143,1	176,8	243,9
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	NA	NA	NA	NA	NA	NA	NA	NA
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	49,4	49,2	52,8	53,1	52,8	52,8	54,0	56,5
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	NA	NA	NA	NA	52,4	51,6	52,9	53,5
DIMENSIONS AND WEIGHT										
LENGTH		mm	1005	1005	1610	1610	1610	1610	1610	1610
WIDTH		mm	855	855	860	860	860	860	860	860
HEIGHT		mm	1540	1540	1550	1550	1550	1550	1550	1550
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	165	190	235	260	305	315	330	405
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	185	210	255	280	325	335	350	425

The manufacturer reserves the right to modify specifications without notice.

Last update: 27/07/2020
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) SCOP data comply with the EN14825:2013, referring to medium temperature climate zone
- (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 **HFT series**, scroll compressors, R410A / R32 / R454B refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, AC axial fans controlled by cut-phase speed regulator, electronic expansion valve. IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available condensers:

B-ES = stainless steel brazed plate condenser

HEATING

TECHNICAL DATA

PERFORMANCES		Model	061	075	090	100	130	160	185	200
NOMINAL HEATING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	67,4	81,4	96,0	106,2	127,5	162,8	191,9	218,7
TOTAL NOMINAL ABSORBED POWER		kW	19,9	24,0	27,6	30,8	36,3	46,3	53,4	61,5
COP		kW/kW	3,39	3,39	3,48	3,45	3,51	3,52	3,59	3,55
SCOP (3)		-	3,61	3,42	3,49	3,66	3,73	3,54	3,61	3,77
NOMINAL WATER FLOW		m ³ /h	11,6	14,0	16,5	18,2	21,9	28,0	33,0	37,6
MECHANICAL MODE PRESSURE DROPS (4)		kPa	67	62	55	57	67	62	55	60
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	2/1/2	2/1/2	2/1/2	2/1/2	4/2/4	4/2/4	4/2/4	4/2/4
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m ³ /h	8÷17	8÷17	8÷17	8÷21	14÷34	14÷34	14÷34	22÷47
MAXIMUM PUMP ABSORBED POWER (OPTION WP OR DP)	P3 (2)	kW	2,53	2,53	2,53	2,53	4,56	4,56	4,56	8,30
MAXIMUM PUMP ABSORBED CURRENT (OPTION WP OR DP)		A	4,56	4,56	4,56	4,56	7,75	7,75	7,75	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	10,20	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	17,40	17,40	17,40	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	2"	2"	2"	2"	DN65	DN65	DN65	DN80
TANK VOLUME		dm ³	390	390	390	390	390	390	390	390
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19	19	19	19	19	19	19	19
FAN SECTION (AXIAL)										
FANS		nr.	2	2	2	2	2	3	3	4
MAXIMUM FANS ABSORBED POWER	AC	kW	3,88	3,88	3,88	3,88	3,88	5,82	5,82	7,76
MAXIMUM FANS ABSORBED CURRENT		A	7,80	7,80	7,80	7,80	7,80	11,70	11,70	15,60
TOTAL AIR FLOW		m ³ /h	24541	36858	34534	32211	39956	56835	53738	67520
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	48,1	56,8	67,8	76,0	88,3	109,7	131,7	152,0
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	166,9	172,3	211,8	278,6	207,2	225,2	275,7	354,6
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	139,1	144,3	177,0	230,4	179,4	197,2	240,9	306,4
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	54,9	55,8	56,2	58,2	55,5	58,1	58,5	61,2
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	54,4	54,7	54,9	55,8	54,6	56,7	56,9	58,8
DIMENSIONS AND WEIGHT										
LENGTH		mm	2210	2210	2210	2210	3355	3355	3355	4355
WIDTH		mm	1100	1100	1100	1100	1105*	1105*	1105*	1105**
HEIGHT		mm	2120	2120	2120	2120	2205	2205	2205	2205
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	560	595	620	700	1060	1110	1160	1750
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	580	615	640	720	1100	1130	1180	1770

The manufacturer reserves the right to modify specifications without notice.

Last update: 27/07/2020
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) SCOP data comply with the EN14825:2013, referring to medium temperature climate zone
- (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 **HFT series**, scroll compressors, R410A / R32 / R454B refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, AC axial fans controlled by cut-phase speed regulator, electronic expansion valve. IP54 protection rating, heat-pump suitable for outdoor installation. Minimum working ambient temperature admitted = -5°C

Type of available condensers:

B-ES = stainless steel brazed plate condenser

 **HEATING**

TECHNICAL DATA

PERFORMANCES		Model	230	280	340
NOMINAL HEATING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	245,5	301,6	345,4
TOTAL NOMINAL ABSORBED POWER		kW	69,3	86,0	98,6
COP		kW/kW	3,54	3,51	3,50
SCOP (3)		-	3,77	3,73	3,52
NOMINAL WATER FLOW		m ³ /h	42,2	51,8	59,3
MECHANICAL MODE PRESSURE DROPS (4)		kPa	53	54	56
FRIGORIFIC SECTION					
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	4/2/4	4/2/4	4/2/4
HYDRAULIC SECTION					
WATER FLOW RANGE (6)		m ³ /h	22÷47	25÷60	30÷70
MAXIMUM PUMP ABSORBED POWER (OPTION WP OR DP)	P3 (2)	kW	8,30	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (OPTION WP OR DP)		A	14,10	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	16,22	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	26,60	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN80	DN100	DN100
TANK VOLUME		dm ³	500	500	500
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19	19	19
FAN SECTION (AXIAL)					
FANS		nr.	5	5	5
MAXIMUM FANS ABSORBED POWER	AC	kW	9,70	9,70	9,70
MAXIMUM FANS ABSORBED CURRENT		A	19,50	19,50	19,50
TOTAL AIR FLOW		m ³ /h	90854	89564	85045
TOTAL ELECTRIC DATA					
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	172,3	195,0	227,3
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	374,9	438,6	478,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	326,7	381,1	416,0
NOISE DATA					
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	62,8	62,8	64,2
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	60,2	60,2	61,1
DIMENSIONS AND WEIGHT					
LENGTH		mm	5350	5350	5350
WIDTH		mm	1105	1105	1105
HEIGHT		mm	2205	2205	2205
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	1975	2130	2210
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	1995	2150	2230

The manufacturer reserves the right to modify specifications without notice.

Last update: 27/07/2020
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) SCOP data comply with the EN14825:2013, referring to medium temperature climate zone
- (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

0

* 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 **HFT series**, scroll compressors, R410A / R32 / R454B refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, AC axial fans controlled by cut-phase speed regulator, 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	016	018	022	025	030	038	045	055
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	15,3	17,8	23,7	26,4	29,2	37,8	44,5	55,0
TOTAL NOMINAL ABSORBED POWER		kW	4,8	5,7	7,2	8,2	9,7	11,7	13,5	17,8
EER		kW/kW	3,20	3,10	3,29	3,23	3,02	3,22	3,30	3,10
SEPR (HT) (3)		-	5,84	5,51	5,80	5,74	5,69	5,70	5,90	5,72
NOMINAL WATER FLOW (5)		m ³ /h	2,6	3,1	4,1	4,5	5,0	6,5	7,6	9,4
MECHANICAL MODE PRESSURE DROPS (4)		kPa	71	48	46	56	68	54	46	56
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m ³ /h	1,8÷4,2	2,5÷5	3÷6	3÷6	3,5÷6	6÷12	6÷12	6÷12
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	0,98	0,98	1,28	1,28	1,28	2,20	2,20	2,20
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	1,78	1,78	2,37	2,37	2,37	4,24	4,24	4,24
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	1,47	1,47	1,47	1,47	1,47	2,94	2,94	2,94
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	2,86	2,86	2,86	2,86	2,32	5,83	5,83	5,83
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
TANK VOLUME		dm ³	110	110	200	200	200	200	200	200
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	8	8	12	12	12	12	12	12
FAN SECTION (AXIAL)										
FANS		nr.	1	1	2	2	2	2	2	2
MAXIMUM FANS ABSORBED POWER	AC	kW	0,68	0,68	1,44	1,44	1,44	1,62	1,44	1,62
MAXIMUM FANS ABSORBED CURRENT		A	3,00	3,00	2,82	2,82	2,82	3,08	2,82	3,08
TOTAL AIR FLOW		m ³ /h	7298	6579	15298	15298	15298	16200	14267	15000
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	13,1	15,1	17,2	19,4	23,0	27,6	32,8	41,3
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	67,0	78,0	97,8	113,8	141,8	143,1	176,8	243,9
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	NA	NA	NA	NA	NA	NA	NA	NA
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	49,4	49,2	52,8	53,1	52,8	52,8	54,0	56,5
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	NA	NA	NA	NA	52,4	51,6	52,9	53,5
DIMENSIONS AND WEIGHT										
LENGTH		mm	1005	1005	1610	1610	1610	1610	1610	1610
WIDTH		mm	855	855	860	860	860	860	860	860
HEIGHT		mm	1540	1540	1550	1550	1550	1550	1550	1550
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	165	190	235	260	305	315	330	405
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	185	210	255	280	325	335	350	425

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

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Type of available evaporators:

B-ES = stainless steel brazed plate evaporator

 **COOLING**

TECHNICAL DATA

PERFORMANCES		Model	061	075	090	100	130	160	185	200
NOMINAL COOLING CAPACITY	W 12 C/°C @ 35°C (1)	kW	62,7	75,7	89,0	100,6	116,8	151,3	178,0	207,5
TOTAL NOMINAL ABSORBED POWER		kW	19,7	24,2	27,8	31,5	36,0	46,7	53,8	60,5
EER		kW/kW	3,17	3,13	3,20	3,19	3,24	3,24	3,31	3,43
SEPR (HT) (3)		-	5,73	5,71	5,69	5,97	6,16	5,89	6,07	6,21
NOMINAL WATER FLOW (5)		m3/h	10,8	13,0	15,3	17,3	20,1	26,0	30,6	35,6
MECHANICAL MODE PRESSURE DROPS (4)		kPa	65	60	53	52	63	60	53	55
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	2/1/2	2/1/2	2/1/2	2/1/2	4/2/4	4/2/4	4/2/4	4/2/4
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m3/h	8÷17	8÷17	8÷17	8÷21	14÷34	14÷34	14÷34	22÷47
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	2,53	2,53	2,53	2,53	4,56	4,56	4,56	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4,56	4,56	4,56	4,56	7,75	7,75	7,75	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	10,20	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	17,40	17,40	17,40	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	2"	2"	2"	2"	DN65	DN65	DN65	DN80
TANK VOLUME		dm³	390	390	390	390	390	390	390	390
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19	19	19	19	19	19	19	19
FAN SECTION (AXIAL)										
FANS		nr.	2	2	2	2	2	3	3	4
MAXIMUM FANS ABSORBED POWER	AC	kW	3,88	3,88	3,88	3,88	3,88	5,82	5,82	7,76
MAXIMUM FANS ABSORBED CURRENT		A	7,80	7,80	7,80	7,80	7,80	11,70	11,70	15,60
TOTAL AIR FLOW		m3/h	24541	36858	34534	32211	39956	56835	53738	67520
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	48,1	56,8	67,8	76,0	88,3	109,7	131,7	152,0
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	166,9	172,3	211,8	278,6	207,2	225,2	275,7	354,6
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	139,1	144,3	177,0	230,4	179,4	197,2	240,9	306,4
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	54,2	55,3	56,2	58,2	55,5	58,1	58,5	61,2
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	53,6	54,1	54,9	55,8	54,6	56,7	56,9	58,8
DIMENSIONS AND WEIGHT										
LENGTH		mm	2210	2210	2210	2210	3355	3355	3355	4355
WIDTH		mm	1100	1100	1100	1100	1105*	1105*	1105*	1105**
HEIGHT		mm	2120	2120	2120	2120	2205	2205	2205	2205
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	560	595	620	700	1060	1110	1160	1750
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	580	615	640	720	1100	1130	1180	1770

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 **HFT series**, scroll compressors, R410A / R32 / R454B refrigerant, brazed-plate evaporator/condenser, condenser/evaporator coil with copper tubes and aluminium fins with hydrophilic coating, AC axial fans controlled by cut-phase speed regulator, 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	230	280	340
NOMINAL COOLING CAPACITY	W 12 C / T °C @ 35°C (1)	kW	242,4	289,3	326,8
TOTAL NOMINAL ABSORBED POWER		kW	67,9	85,8	101,3
EER		kW/kW	3,57	3,37	3,23
SEPR (HT) (3)		-	6,47	6,17	5,90
NOMINAL WATER FLOW (5)		m ³ /h	41,6	49,7	56,1
MECHANICAL MODE PRESSURE DROPS (4)		kPa	52	56	57
FRIGORIFIC SECTION					
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	4/2/4	4/2/4	4/2/4
HYDRAULIC SECTION					
WATER FLOW RANGE (6)		m ³ /h	22÷47	25÷60	30÷70
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	8,30	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	14,10	14,10	14,10
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	16,22	16,22	16,22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	26,60	26,60	26,60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN80	DN100	DN100
TANK VOLUME		dm ³	500	500	500
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19	19	19
FAN SECTION (AXIAL)					
FANS		nr.	5	5	5
MAXIMUM FANS ABSORBED POWER	AC	kW	9,70	9,70	9,70
MAXIMUM FANS ABSORBED CURRENT		A	19,50	19,50	19,50
TOTAL AIR FLOW		m ³ /h	90854	89564	85045
TOTAL ELECTRIC DATA					
ELECTRICAL FEED		V/ph/Hz	400/3/50	400/3/50	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	172,3	195,0	227,3
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	374,9	438,6	478,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	326,7	381,1	416,0
NOISE DATA					
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	62,8	62,8	64,2
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	60,2	60,2	61,1
DIMENSIONS AND WEIGHT					
LENGTH		mm	5350	5350	5350
WIDTH		mm	1105	1105	1105
HEIGHT		mm	2205	2205	2205
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	1975	2130	2210
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	1995	2150	2230

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Revision: 00-2020

Data referred to:

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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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