



TEAM
AIR POWER

CFT SERIES



DISCOVER HITEMA® CUSTOMIZED APPLICATIONS

choose your customized configuration



ENR/ENRF SERIES
1,6kW ÷ 440kW

CSE SERIES
30kW ÷ 377kW

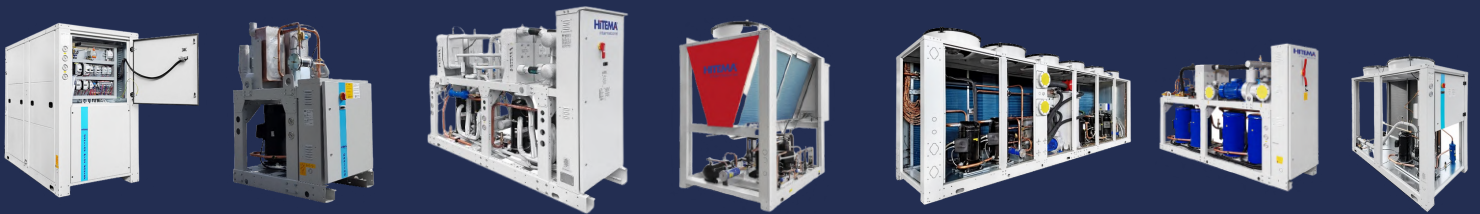
CFT SERIES
7,9kW ÷ 410kW

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

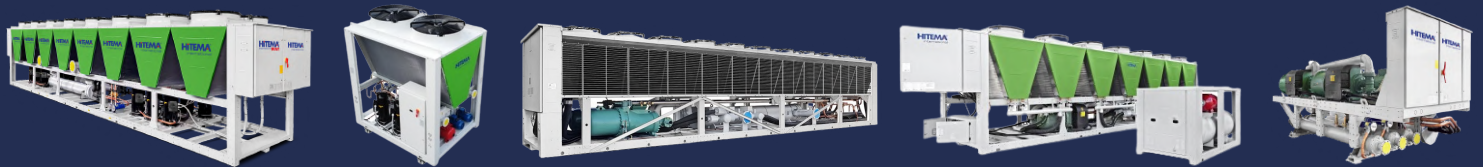
HFT SERIES
16kW ÷ 345kW

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

CFT SERIES

Air-Cooled liquid Chillers

AC axial fans

IP54 protection rating

Suitable for OUTDOOR installation



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



Air-cooled liquid chillers **CFT** series for air conditioning application, scroll compressors, R410A / R32 / R454B refrigerant, brazed plate, condenser coil with copper tubes and aluminum fins, AC axial fans. IP54 protection rating, chillers suitable for outdoor installation. Pump and tank available as an optional.

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

TECHNICAL DATA

PERFORMANCES		Model	008	010	012	016	018	022	025	030
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	7,9	9,3	12,2	13,5	18,0	22,0	25,0	31,0
TOTAL NOMINAL ABSORBED POWER		kW	2,9	3,7	4,4	5,7	6,5	7,5	8,6	9,8
EER		kW/kW	2,77	2,55	2,78	2,37	2,78	2,93	2,90	3,15
SEPR (HT) (3)		-	4,64	4,59	4,75	4,79	5,01	5,23	5,18	5,51
NOMINAL WATER FLOW		m3/h	1,4	1,6	2,1	2,3	3,1	3,8	4,3	5,3
MECHANICAL MODE PRESSURE DROPS (4)		kPa	42	54	42	50	45	66	42	70
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	1/1/1
KIND OF COMPRESSOR	-	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
KIND OF EVAPORATOR	-	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES
HYDRAULIC SECTION										
WATER FLOW RANGE (6)	m3/h	1,2÷2,4	1,2÷3,0	1,2÷3,0	1,2÷3,0	2,3÷5,0	3,0÷6,0	3,0÷6,0	3,5÷6,0	3,5÷6,0
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	0,88	0,98	0,98	0,98	0,98	1,28	1,28	1,28
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	1,65	1,78	1,78	1,78	1,78	2,37	2,37	2,37
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	1,10	1,10	1,10	1,10	1,47	1,47	1,47	1,47
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	2,17	2,17	2,17	2,17	2,86	2,86	2,86	2,86
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	1"	1"	1"	1"	1"	1"	1"	1"	1 1/2"
TANK VOLUME (5)	dm³	50	50	50	50	110	110	110	200	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	5	5	5	5	8	8	8	12	
FAN SECTION (AXIAL)										
FANS	nr.	1	1	1	1	1	1	1	1	2
FAN SPEED REGULATION	-	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
MAXIMUM FANS ABSORBED POWER	AC	kW	0,25	0,25	0,49	0,49	0,68	0,81	0,81	1,44
MAXIMUM FANS ABSORBED CURRENT		A	1,10	1,10	2,40	2,40	3,00	1,50	1,50	2,82
TOTAL AIR FLOW	m3/h	4100	4100	4750	4750	6500	7400	6800	16000	
TOTAL ELECTRIC DATA										
ELECTRICAL FEED	V/ph/Hz	400/3/50/N	400/3/50/N	400/3/50/N	400/3/50/N	400/3/50/N	400/3/50	400/3/50	400/3/50	
MAXIMUM ABSORBED CURRENT (F.L.A) (6)	A	8,4	8,7	11,6	12,2	17,0	17,4	21,1	23,0	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	48,0	48,0	69,0	69,0	73,0	102,0	127,4	139,0	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	NA	NA	NA	NA	NA	NA	102,4	111,2	
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	50,0	50,0	50,0	50,0	51,3	54,3	55,4	53,1	
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)	dB(A)	NA	NA	NA	NA	NA	NA	NA	52,2	
DIMENSIONS AND WEIGHT										
LENGTH	mm	820	820	820	820	1010	1010	1010	1610	
WIDTH	mm	615	615	615	615	720	720	720	860	
HEIGHT	mm	1415	1415	1415	1415	1585	1585	1585	1550	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)	kg	135	135	140	140	165	205	250	275	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)	kg	135	135	140	140	165	205	380	280	

The manufacturer reserves the right to modify specifications without notice.

Last update: 22/07/2021
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) 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 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

Air-cooled liquid chillers CFT series for air conditioning application, scroll compressors, R410A / R32 / R454B refrigerant, brazed plate, condenser coil with copper tubes and aluminum fins, AC axial fans. IP54 protection rating, chillers suitable for outdoor installation. Pump and tank available as an optional.

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

TECHNICAL DATA

PERFORMANCES		Model	038	045	055	061	075	090	100	130
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	37,0	45,0	55,0	64,0	72,0	88,0	100,0	115,0
TOTAL NOMINAL ABSORBED POWER		kW	13,1	13,8	18,9	20,3	26,3	29,1	33,0	39,4
EER		kW/kW	2,82	3,25	2,91	3,16	2,74	3,03	3,03	2,92
SEPR (HT) (3)		-	5,05	5,17	5,23	5,40	5,77	5,16	5,61	5,02
NOMINAL WATER FLOW		m3/h	6,4	7,7	9,5	11,0	12,4	15,1	17,2	19,8
MECHANICAL MODE PRESSURE DROPS (4)		kPa	50	46	55	66	53	51	48	59
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP	nr.	1/1/1	1/1/1	1/1/1	2/1/2	2/1/2	2/1/2	2/1/2	2/1/2	4/2/4
KIND OF COMPRESSOR	-	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
KIND OF EVAPORATOR	-	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES
HYDRAULIC SECTION										
WATER FLOW RANGE (6)	m3/h	6,0÷12,0	6,0÷12,0	6,0÷12,0	8,0÷17,0	8,0÷17,0	8,0÷17,0	8,0÷21,0	14,0÷34,0	
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	2,20	2,20	2,20	2,53	2,53	2,53	2,53	4,56
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4,24	4,24	4,24	4,56	4,56	4,56	4,56	7,75
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	2,94	2,94	2,94	6,12	6,12	6,12	6,12	10,20
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	5,83	5,83	5,83	10,40	10,40	10,40	10,40	17,40
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	DN65
TANK VOLUME (5)	dm³	200	200	200	390	390	390	390	390	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	12	12	12	19	19	19	19	19	
FAN SECTION (AXIAL)										
FANS	nr.	2	2	2	2	2	2	2	2	2
FAN SPEED REGULATION	-	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
MAXIMUM FANS ABSORBED POWER	AC	kW	1,62	1,44	1,62	3,88	3,88	3,88	3,88	3,88
MAXIMUM FANS ABSORBED CURRENT		A	3,08	2,82	3,08	7,80	7,80	7,80	7,80	7,80
TOTAL AIR FLOW	m3/h	16400	15000	15600	25000	36000	34000	32000	40000	
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	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)	A	27,6	32,8	39,5	48,1	56,8	67,8	74,2	88,3	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	140,0	174,0	225,0	166,9	172,3	211,8	262,8	207,2	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	112,0	139,2	180,0	139,1	144,3	177,0	217,8	179,4	
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	57,1	54,3	58,6	58,8	59,3	59,5	60,3	59,2	
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)	dB(A)	56,2	52,6	56,8	58,1	58,3	58,3	58,7	58,2	
DIMENSIONS AND WEIGHT										
LENGTH	mm	1610	1610	1610	2220	2220	2220	2220	3355	
WIDTH	mm	860	860	860	1100	1100	1100	1100	1105	
HEIGHT	mm	1550	1550	1540	2120	2120	2120	2120	2205	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)	kg	280	295	375	530	565	585	670	1000	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)	kg	285	300	380	545	580	600	685	1025	

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Last update: 22/07/2021
Revision: 00-2020

Data referred to:

- (1) Data referred to inlet/outlet water temperature = +12/+7 °C, ambient temperature = +35°C, fluid = Water
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- (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
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Type of available evaporators:
B-ES = stainless steel brazed plate evaporator

TECHNICAL DATA

PERFORMANCES		Model	160	185	200	230	280	340	370	430
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	150,0	170,0	204,3	227,0	277,0	319,0	365,0	410,0
TOTAL NOMINAL ABSORBED POWER		kW	51,4	58,2	63,0	76,5	94,9	107,5	119,6	136,6
EER		kW/kW	2,92	2,92	3,24	2,97	2,92	2,97	3,05	3,00
SEPR (HT) (3)		-	5,02	5,10	5,22	5,76	5,14	5,08	5,15	5,01
NOMINAL WATER FLOW		m ³ /h	25,8	29,2	35,1	39,0	47,6	54,9	62,8	70,5
MECHANICAL MODE PRESSURE DROPS (4)		kPa	58	48	39	43	51	53	55	54
FRIGORIFIC SECTION										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP	nr.	4/2/4	4/2/4	4/2/4	4/2/4	4/2/4	4/2/4	4/2/4	4/2/4	4/2/4
KIND OF COMPRESSOR	-	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
KIND OF EVAPORATOR	-	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES	B-ES
HYDRAULIC SECTION										
WATER FLOW RANGE (6)	m ³ /h	14,0÷34,0	14,0÷34,0	22,0÷47,0	22,0÷47,0	25,0÷60,0	30,0÷70,0	35,0÷80,0	35,0÷87,0	
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	4,56	4,56	8,30	8,30	8,30	8,30	10,20	10,20
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	7,75	7,75	14,10	14,10	14,10	14,10	17,40	17,40
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	10,20	10,20	16,22	16,22	16,22	16,22	16,22	19,94
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	17,40	17,40	26,60	26,60	26,60	26,60	26,60	32,70
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	DN65	DN65	DN80	DN80	DN100	DN100	DN100	DN125	
TANK VOLUME (5)	dm ³	390	390	390	500	500	500	500	500	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	19	19	19	19	19	19	19	19	
FAN SECTION (AXIAL)										
FANS	nr.	3	3	4	5	5	5	6	6	
FAN SPEED REGULATION	-	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	
MAXIMUM FANS ABSORBED POWER	AC	kW	5,82	5,82	7,76	9,70	9,70	9,70	11,64	11,64
MAXIMUM FANS ABSORBED CURRENT		A	11,70	11,70	15,60	19,50	19,50	19,50	23,40	23,40
TOTAL AIR FLOW	m ³ /h	57000	54000	68800	91000	90000	85000	102000	96000	
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	109,7	131,7	148,5	165,3	197,9	227,3	260,6	289,6	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	225,2	275,7	337,0	353,8	425,3	478,0	511,3	623,8	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	197,2	240,9	292,0	308,8	370,9	416,0	449,3	542,2	
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	61,3	61,5	63,3	64,6	66,0	66,0	66,4	67,8	
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)	dB(A)	60,1	60,2	61,7	62,8	63,5	63,5	64,0	64,8	
DIMENSIONS AND WEIGHT										
LENGTH	mm	3355	3355	4355	5350	5350	5350	6350	6350	
WIDTH	mm	1105	1105*	1105*	1105	1105	1105	1105	1105	
HEIGHT	mm	2205	2205	2205	2205	2205	2205	2205	2205	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)	kg	1050	1100	1690	1915	2070	2150	2410	2565	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)	kg	1080	1135	1710	1950	2110	2195	2455	2615	

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Revision: 00-2020

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