

Air-cooled liquid chillers CFT series, 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		m ³ /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)	m ³ /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	1.28	1.28	1.28	1.28
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	1.65	1.78	1.78	1.78	2.37	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)	dm ³	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	m ³ /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	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	22.0	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	48.0	48.0	69.0	69.0	73.0	102.0	127.4	118.0	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	NA	NA	NA	NA	NA	NA	102.4	94.4	
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	53.5	
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)	dB(A)	NA	NA	NA	NA	NA	NA	NA	52.3	
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	1360	1360	1360	1360	1580	1580	1585	1540	
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: 31/08/2020
 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) 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, 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	070	075	090	100
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	37.0	45.0	55.0	61.0	67.0	72.0	88.0	100.0
TOTAL NOMINAL ABSORBED POWER		kW	13.1	13.8	18.9	18.9	23.2	26.3	29.1	33.0
EER		kW/kW	2.82	3.25	2.91	3.23	2.89	2.74	3.03	3.03
SEPR (HT) (3)		-	4.64	5.17	5.23	5.40	5.54	5.77	4.92	5.61
NOMINAL WATER FLOW		m ³ /h	6.4	7.7	9.5	10.5	11.5	12.4	15.1	17.2
MECHANICAL MODE PRESSURE DROPS (4)		kPa	50	46	55	66	47	53	51	48
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	2/1/2
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	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÷17,0	8,0÷17,0	8,0÷21,0
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	2.53
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4.24	4.24	4.24	4.56	4.56	4.56	4.56	4.56
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	6.12
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	5.83	5.83	5.83	10.40	10.40	10.40	10.40	10.40
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"
TANK VOLUME (5)	dm ³	200	200	200	390	390	390	390	390	390
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	12	12	12	19	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	2.50	3.88	3.88	3.88	3.88
MAXIMUM FANS ABSORBED CURRENT		A	3.08	2.82	3.08	4.96	7.80	7.80	7.80	7.80
TOTAL AIR FLOW	m ³ /h	16400	15000	15600	25000	36000	36000	34000	32000	
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	43.4	51.5	56.8	67.8	74.2	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	140.0	174.0	225.0	142.2	167.0	172.3	211.8	262.8	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	112.0	139.2	180.0	118.6	139.0	144.3	177.0	217.8	
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	57.1	54.3	58.6	57.3	59.2	59.3	59.5	60.3	
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)	dB(A)	56.2	52.6	56.8	56.3	58.2	58.3	58.3	58.7	
DIMENSIONS AND WEIGHT										
LENGTH	mm	1610	1610	1610	2220	2220	2220	2220	2220	
WIDTH	mm	860	860	860	1100	1100	1100	1100	1100	
HEIGHT	mm	1540	1540	1540	2100	2100	2100	2100	2100	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)	kg	280	295	375	530	560	565	585	670	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)	kg	285	300	380	545	575	580	600	685	

The manufacturer reserves the right to modify specifications without notice.

Last update: 31/08/2020
 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) 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, 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	130	160	185	200	230	280	340	370
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	115.0	150.0	170.0	204.3	227.0	277.0	319.0	365.0
TOTAL NOMINAL ABSORBED POWER		kW	39.4	51.4	58.2	63.0	76.5	94.9	107.5	119.6
EER		kW/kW	2.92	2.92	2.92	3.24	2.97	2.92	2.97	3.05
SEPR (HT) (3)		-	5.02	4.71	4.73	5.22	5.76	4.94	4.98	4.95
NOMINAL WATER FLOW		m ³ /h	19.8	25.8	29.2	35.1	39.0	47.6	54.9	62.8
MECHANICAL MODE PRESSURE DROPS (4)		kPa	59	58	48	39	43	51	53	55
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
KIND OF COMPRESSOR		-	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
HYDRAULIC SECTION										
WATER FLOW RANGE (6)		m ³ /h	14,0÷34,0	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
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	4.56	4.56	4.56	8.30	8.30	8.30	8.30	10.20
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	7.75	7.75	7.75	14.10	14.10	14.10	14.10	17.40
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	10.20	10.20	10.20	16.22	16.22	16.22	16.22	16.22
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	17.40	17.40	17.40	26.60	26.60	26.60	26.60	26.60
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN65	DN65	DN65	DN80	DN80	DN80	DN100	DN100
TANK VOLUME (5)		dm ³	390	390	390	390	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.	2	3	3	4	5	5	5	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	3.88	5.82	5.82	7.76	9.70	9.70	9.70	11.64
MAXIMUM FANS ABSORBED CURRENT		A	7.80	11.70	11.70	15.60	19.50	19.50	19.50	23.40
TOTAL AIR FLOW		m ³ /h	40000	57000	54000	68800	91000	90000	85000	102000
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	84.7	109.7	131.7	148.5	165.3	197.9	227.3	260.6
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	183.5	225.2	275.7	337.0	353.8	425.3	478.0	511.3
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	159.9	197.2	240.9	292.0	308.8	370.9	416.0	449.3
NOISE DATA										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	59.5	61.3	61.5	63.3	64.6	66.0	66.0	66.4
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)		dB(A)	58.3	60.1	60.2	61.7	62.8	63.5	63.5	64.0
DIMENSIONS AND WEIGHT										
LENGTH		mm	3355	3355	3355	4355	5350	5350	5350	6350
WIDTH		mm	1105	1105	1105*	1105*	1105	1105	1105	1105
HEIGHT		mm	2180	2180	2180	2180	2180	2180	2180	2180
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)		kg	1000	1050	1100	1690	1915	2070	2150	2410
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)		kg	1025	1080	1135	1710	1950	2110	2195	2455

The manufacturer reserves the right to modify specifications without notice.

Last update: 31/08/2020
 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) 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, 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	430
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	410.0
TOTAL NOMINAL ABSORBED POWER		kW	136.6
EER		kW/kW	3.00
SEPR (HT) (3)		-	5.01
NOMINAL WATER FLOW		m3/h	70.5
MECHANICAL MODE PRESSURE DROPS (4)		kPa	54
FRIGORIFIC SECTION			
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	4/2/4
KIND OF COMPRESSOR		-	SCROLL
KIND OF EVAPORATOR		-	B-ES
HYDRAULIC SECTION			
WATER FLOW RANGE (6)		m3/h	35,0÷87,0
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	10.20
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	17.40
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	19.94
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	32.70
HYDRAULIC CONNECTIONS (THREADED / FLANGED)		BSP / DN	DN100
TANK VOLUME (5)		dm³	500
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19
FAN SECTION (AXIAL)			
FANS		nr.	6
FAN SPEED REGULATION		-	ON/OFF
MAXIMUM FANS ABSORBED POWER	AC	kW	11.64
MAXIMUM FANS ABSORBED CURRENT		A	23.40
TOTAL AIR FLOW		m3/h	96000
TOTAL ELECTRIC DATA			
ELECTRICAL FEED		V/ph/Hz	400/3/50
MAXIMUM ABSORBED CURRENT (F.L.A) (6)		A	289.6
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	623.8
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	542.2
NOISE DATA			
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	67.8
SOUND PRESSURE FOR LOW NOISE CONFIGURATION (OPTION LNJ) (6) (7)		dB(A)	64.8
DIMENSIONS AND WEIGHT			
LENGTH		mm	6350
WIDTH		mm	1105
HEIGHT		mm	2180
WEIGHT EMPTY FOR STANDARD CONFIGURATION (5) (6)		kg	2565
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (5) (6)		kg	2615

The manufacturer reserves the right to modify specifications without notice.

Last update: 31/08/2020
 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) 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