

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**

<b>PERFORMANCES</b>		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 <sup>3</sup> /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
<b>FRIGORIFIC SECTION</b>										
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
<b>HYDRAULIC SECTION</b>										
WATER FLOW RANGE (6)	m <sup>3</sup> /h	1.8÷4.2	2.5÷5	3÷6	3÷6	3.5÷6	6÷12	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 <sup>3</sup>	110	110	200	200	200	200	200	200	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	8	8	12	12	12	12	12	12	
<b>FAN SECTION (AXIAL)</b>										
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 <sup>3</sup> /h	7298	6579	15298	15298	15298	16200	14267	15000	
<b>TOTAL ELECTRIC DATA</b>										
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	22,0	27,6	32,8	41,3	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	67,0	78,0	97,8	113,8	120,8	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	
<b>NOISE DATA</b>										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	49,4	49,2	52,8	53,1	53,1	52,8	54,0	56,5	
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	NA	NA	NA	NA	52,5	51,6	52,9	53,5	
<b>DIMENSIONS AND WEIGHT</b>										
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**

<b>PERFORMANCES</b>		Model	061	070	075	090	100	130	160	185
NOMINAL HEATING CAPACITY	W 40°C/45°C @ 7°C (1)	kW	63,7	73,4	81,4	96,0	106,2	127,5	162,8	191,9
TOTAL NOMINAL ABSORBED POWER		kW	18,6	22,0	24,0	27,6	30,8	36,3	46,3	53,4
COP		kW/kW	3,42	3,34	3,39	3,48	3,45	3,51	3,52	3,59
SCOP (3)		-	3,64	3,54	3,42	3,49	3,66	3,73	3,54	3,61
NOMINAL WATER FLOW		m <sup>3</sup> /h	10,9	12,6	14,0	16,5	18,2	21,9	28,0	33,0
MECHANICAL MODE PRESSURE DROPS (4)		kPa	67	49	62	55	57	67	62	55
<b>FRIGORIFIC SECTION</b>										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP	nr.	2/1/2	2/1/2	2/1/2	2/1/2	2/1/2	4/2/4	4/2/4	4/2/4	
<b>HYDRAULIC SECTION</b>										
WATER FLOW RANGE (6)	m <sup>3</sup> /h	8÷17	8÷17	8÷17	8÷17	8÷21	14÷34	14÷34	14÷34	
MAXIMUM PUMP ABSORBED POWER (OPTION WP OR DP)	P3 (2)	kW	2,53	2,53	2,53	2,53	2,53	4,56	4,56	4,56
MAXIMUM PUMP ABSORBED CURRENT (OPTION WP OR DP)		A	4,56	4,56	4,56	4,56	4,56	7,75	7,75	7,75
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	6,12	6,12	6,12	6,12	6,12	10,20	10,20	10,20
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	10,40	17,40	17,40	17,40
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	2"	2"	2"	2"	2"	DN65	DN65	DN65	
TANK VOLUME	dm <sup>3</sup>	390	390	390	390	390	390	390	390	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	19	19	19	19	19	19	19	19	
<b>FAN SECTION (AXIAL)</b>										
FANS	nr.	2	2	2	2	2	2	3	3	
MAXIMUM FANS ABSORBED POWER	AC	kW	2,50	3,88	3,88	3,88	3,88	3,88	5,82	5,82
MAXIMUM FANS ABSORBED CURRENT		A	4,96	7,80	7,80	7,80	7,80	7,80	11,70	11,70
TOTAL AIR FLOW	m <sup>3</sup> /h	24541	35317	36858	34534	32211	39956	56835	53738	
<b>TOTAL ELECTRIC DATA</b>										
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	43,4	51,5	56,8	67,8	76,0	84,7	109,7	131,7	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	142,2	167,0	172,3	211,8	278,6	183,5	225,2	275,7	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	118,6	139,0	144,3	177,0	230,4	159,9	197,2	240,9	
<b>NOISE DATA</b>										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	56,8	55,0	55,3	56,2	58,2	56,2	58,1	58,5	
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	56,3	53,9	54,1	54,9	55,8	54,9	56,7	56,9	
<b>DIMENSIONS AND WEIGHT</b>										
LENGTH	mm	2210	2210	2210	2210	2210	3355	3355	3355	
WIDTH	mm	1100	1100	1100	1100	1100	1105*	1105*	1105*	
HEIGHT	mm	2120	2120	2120	2120	2120	2205	2205	2205	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)	kg	560	590	595	620	700	1060	1110	1160	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)	kg	580	610	615	640	720	1100	1130	1180	

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	200	230	280	340	
NOMINAL HEATING CAPACITY TOTAL NOMINAL ABSORBED POWER COP SCOP (3) NOMINAL WATER FLOW MECHANICAL MODE PRESSURE DROPS (4)	W 40°C/45°C @ 7°C (1)	kW	218,7	245,5	301,6	345,4	
		kW	61,5	69,3	86,0	98,6	
		kW/kW	3,55	3,54	3,51	3,50	
		-	3,77	3,77	3,73	3,52	
		m3/h	37,6	42,2	51,8	59,3	
		kPa	60	53	54	56	
<b>FRIGORIFIC SECTION</b>							
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP		nr.	4/2/4	4/2/4	4/2/4	4/2/4	
<b>HYDRAULIC SECTION</b>							
WATER FLOW RANGE (6)		m3/h	22÷47	22÷47	25÷60	30÷70	
MAXIMUM PUMP ABSORBED POWER (OPTION WP OR DP)		P3 (2)	kW	8,30	8,30	8,30	8,30
MAXIMUM PUMP ABSORBED CURRENT (OPTION WP OR 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	
TANK VOLUME		dm³	390	500	500	500	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)		liters	19	19	19	19	
<b>FAN SECTION (AXIAL)</b>							
FANS		nr.	4	5	5	5	
MAXIMUM FANS ABSORBED POWER		AC	kW	7,76	9,70	9,70	9,70
MAXIMUM FANS ABSORBED CURRENT			A	15,60	19,50	19,50	19,50
TOTAL AIR FLOW		m3/h	67520	90854	89564	85045	
<b>TOTAL ELECTRIC DATA</b>							
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	152,0	172,3	195,0	227,3	
MAXIMUM PEAK CURRENT (L.R.A) (6)		A	354,6	374,9	438,6	478,0	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)		A	306,4	326,7	381,1	416,0	
<b>NOISE DATA</b>							
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)		dB(A)	61,2	62,8	62,8	64,2	
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)		dB(A)	58,8	60,2	60,2	61,1	
<b>DIMENSIONS AND WEIGHT</b>							
LENGTH		mm	4355	5350	5350	5350	
WIDTH		mm	1105**	1105	1105	1105	
HEIGHT		mm	2205	2205	2205	2205	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)		kg	1750	1975	2130	2210	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)		kg	1770	1995	2150	2230	

The manufacturer reserves the right to modify specifications without notice.

Last update: 27/07/2020  
Revision: 00-2020

Data referred to:

- Data referred to inlet/outlet water temperature = +40/+45 °C, ambient temperature = +7°C, fluid = Water
- Available pressure can be calculated from Hitema Online Selection Software
- SCOP data comply with the EN14825:2013, referring to medium temperature climate zone
- Pressure drops taken in account: evaporator, valves, piping
- Water flow is different from heating mode, assuming that an inverter pump will be used
- Data referred to standard chiller configuration NP (no pump) and AC fans
- 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**

<b>PERFORMANCES</b>		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)		m3/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
<b>FRIGORIFIC SECTION</b>										
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
<b>HYDRAULIC SECTION</b>										
WATER FLOW RANGE (6)	m3/h	1.8÷4.2	2.5÷5	3÷6	3÷6	3.5÷6	6÷12	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	dm³	110	110	200	200	200	200	200	200	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	8	8	12	12	12	12	12	12	
<b>FAN SECTION (AXIAL)</b>										
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	m3/h	7298	6579	15298	15298	15298	16200	14267	15000	
<b>TOTAL ELECTRIC DATA</b>										
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	22,0	27,6	32,8	41,3	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	67,0	78,0	97,8	113,8	120,8	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	
<b>NOISE DATA</b>										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	49,4	49,2	52,8	53,1	53,1	52,8	54,0	56,5	
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	NA	NA	NA	NA	52,5	51,6	52,9	53,5	
<b>DIMENSIONS AND WEIGHT</b>										
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

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



**TECHNICAL DATA**

<b>PERFORMANCES</b>		Model	061	070	075	090	100	130	160	185
NOMINAL COOLING CAPACITY	W 12°C/7°C @ 35°C (1)	kW	59,1	68,8	75,7	89,0	100,6	116,8	151,3	178,0
TOTAL NOMINAL ABSORBED POWER		kW	18,5	21,3	24,2	27,8	31,5	36,0	46,7	53,8
EER		kW/kW	3,20	3,23	3,13	3,20	3,19	3,24	3,24	3,31
SEPR (HT) (3)		-	5,73	5,77	5,71	5,69	5,97	6,16	5,89	6,07
NOMINAL WATER FLOW (5)		m <sup>3</sup> /h	10,2	11,8	13,0	15,3	17,3	20,1	26,0	30,6
MECHANICAL MODE PRESSURE DROPS (4)	kPa	65	60	60	53	52	63	60	53	
<b>FRIGORIFIC SECTION</b>										
COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP	nr.	2/1/2	2/1/2	2/1/2	2/1/2	2/1/2	4/2/4	4/2/4	4/2/4	
<b>HYDRAULIC SECTION</b>										
WATER FLOW RANGE (6)	m <sup>3</sup> /h	8÷17	8÷17	8÷17	8÷17	8÷21	14÷34	14÷34	14÷34	
MAXIMUM PUMP ABSORBED POWER (WP OR OPTION DP)	P3 (2)	kW	2,53	2,53	2,53	2,53	2,53	4,56	4,56	4,56
MAXIMUM PUMP ABSORBED CURRENT (WP OR OPTION DP)		A	4,56	4,56	4,56	4,56	4,56	7,75	7,75	7,75
MAXIMUM PUMP ABSORBED POWER (OPTION PH OR DPH)	P5 (2)	kW	6,12	6,12	6,12	6,12	6,12	10,20	10,20	10,20
MAXIMUM PUMP ABSORBED CURRENT (OPTION PH OR DPH)		A	10,40	10,40	10,40	10,40	10,40	17,40	17,40	17,40
HYDRAULIC CONNECTIONS (THREADED / FLANGED)	BSP / DN	2"	2"	2"	2"	2"	DN65	DN65	DN65	
TANK VOLUME	dm <sup>3</sup>	390	390	390	390	390	390	390	390	
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	19	19	19	19	19	19	19	19	
<b>FAN SECTION (AXIAL)</b>										
FANS	nr.	2	2	2	2	2	2	3	3	
MAXIMUM FANS ABSORBED POWER	AC	kW	2,50	3,88	3,88	3,88	3,88	3,88	5,82	5,82
MAXIMUM FANS ABSORBED CURRENT		A	4,96	7,80	7,80	7,80	7,80	7,80	11,70	11,70
TOTAL AIR FLOW	m <sup>3</sup> /h	24541	35317	36858	34534	32211	39956	56835	53738	
<b>TOTAL ELECTRIC DATA</b>										
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	43,4	51,5	56,8	67,8	76,0	84,7	109,7	131,7	
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	142,2	167,0	172,3	211,8	278,6	183,5	225,2	275,7	
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	118,6	139,0	144,3	177,0	230,4	159,9	197,2	240,9	
<b>NOISE DATA</b>										
SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	56,8	55,0	55,3	56,2	58,2	56,2	58,1	58,5	
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	56,3	53,9	54,1	54,9	55,8	54,9	56,7	56,9	
<b>DIMENSIONS AND WEIGHT</b>										
LENGTH	mm	2210	2210	2210	2210	2210	3355	3355	3355	
WIDTH	mm	1100	1100	1100	1100	1100	1105*	1105*	1105*	
HEIGHT	mm	2120	2120	2120	2120	2120	2205	2205	2205	
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)	kg	560	590	595	620	700	1060	1110	1160	
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)	kg	580	610	615	640	720	1100	1130	1180	

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



**TECHNICAL DATA**

**PERFORMANCES**

	Model	200	230	280	340
NOMINAL COOLING CAPACITY	kW	207,5	242,4	289,3	326,8
TOTAL NOMINAL ABSORBED POWER	kW	60,5	67,9	85,8	101,3
EER	kW/kW	3,43	3,57	3,37	3,23
SEPR (HT) (3)	-	6,21	6,47	6,17	5,90
NOMINAL WATER FLOW (5)	m <sup>3</sup> /h	35,6	41,6	49,7	56,1
MECHANICAL MODE PRESSURE DROPS (4)	kPa	55	52	56	57

**FRIGORIFIC SECTION**

COMPRESSORS / REFRIGERATING CIRCUITS / PARTITION STEP	nr.	4/2/4	4/2/4	4/2/4	4/2/4
---	-----	-------	-------	-------	-------

**HYDRAULIC SECTION**

WATER FLOW RANGE (6)	m <sup>3</sup> /h	22÷47	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	DN80	DN100	DN100
TANK VOLUME	dm <sup>3</sup>	390	500	500	500
EXPANSION VESSEL NUMBER x VOLUME (OPTION XV)	liters	19	19	19	19

**FAN SECTION (AXIAL)**

FANS	nr.	4	5	5	5
MAXIMUM FANS ABSORBED POWER	AC	kW	7,76	9,70	9,70
MAXIMUM FANS ABSORBED CURRENT		A	15,60	19,50	19,50
TOTAL AIR FLOW	m <sup>3</sup> /h	67520	90854	89564	85045

**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	152,0	172,3	195,0	227,3
MAXIMUM PEAK CURRENT (L.R.A) (6)	A	354,6	374,9	438,6	478,0
MAXIMUM PEAK CURRENT WITH SOFT START (OPTION SF) (L.R.A) (6)	A	306,4	326,7	381,1	416,0

**NOISE DATA**

SOUND PRESSURE FOR STANDARD CONFIGURATION (6) (7)	dB(A)	61,2	62,8	62,8	64,2
SOUND PRESSURE FOR LOW NOISE OPTION (LNJ) (6) (7)	dB(A)	58,8	60,2	60,2	61,1

**DIMENSIONS AND WEIGHT**

LENGTH	mm	4355	5350	5350	5350
WIDTH	mm	1105**	1105	1105	1105
HEIGHT	mm	2205	2205	2205	2205
WEIGHT EMPTY FOR STANDARD CONFIGURATION (6)	kg	1750	1975	2130	2210
WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (6)	kg	1770	1995	2150	2230

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