

AQUASET-T range

WATER

GAS
R410A

CHGF



CHGF 20/24



CHGF da 28 a 40



CHGF da 55 a 76

Applications

- Air conditioning

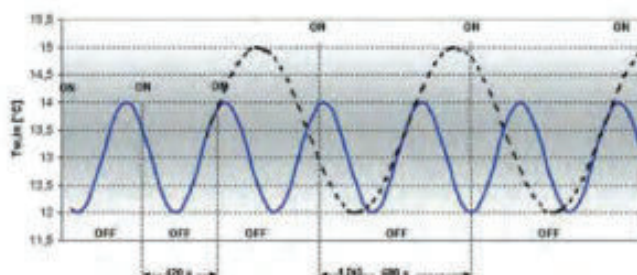
Benefits

- 20 kW to 76 kW
- Low running noise
- High energy efficiency
- Integrated hydronic module
- Water delivery/return temperature control

- Low water volume due to self-adaptive operation
- Dual pump (option) from size 28 (28 kW)
- Minimum water delivery temperature (0°C) with glycol
- Operation with ambient air temperature +47°C to -10°C

High level standard equipment:

- External master switch
- Soft starter
- Phase control
- Condensation pressure regulator
- Low temperature kit
- Storage tank



Self-adaptive curve

MODELS	CHGF				
	20	24	28	32	40
Single pump codes	CHG207F	CHG247F	CHG287F	CHG327F	CHG407F
Dual pump codes	-	-	CHG287FB	CHG327FB	CHG407FB
▼ Cooling specifications					
Power +7°C/+12°C (kW) / 35°C ext.	19.61	23.80	26.10	31.52	39.67
EER	2.75	2.94	3.25	3.13	3.11
Number of compressors	1				
R410A refrigerant charge (kg)	4.23	5.80	7.50	7.50	10.80
▼ Circuit specifications and connections					
Expansion tank capacity (l)	5		8		
Nominal water flow rate (+7°C/35°C) (m³/h)	3.37	4.10	4.83	5.42	6.82
Available head for pump (kPa)	123	116	143	126	119
Storage tank capacity (l)	50			125	
Hydraulic connections	1" 1/4 F				
▼ Electrical specifications and connections					
Power 50 Hz with GND	400V+N				
Startup current (A)	68	103	87	108	108
Max current draw with heating element (A)	26.2	27.6	35.5	36.5	42.5
Thermal cutout rating (A)	32	32	40	40	50
Power cord cross section (l)	5G 10 mm²	5G 10 mm²	5G 16 mm²	5G 16 mm²	5G 25 mm²
▼ Running noise					
Sound power per EN12102 (dB(A))	71	72	73	73	75
Sound pressure level at 10 m (dB(A)) (2)	43	44	45	45	47
▼ Operating range					
Air temperature range	+47°C / -10°C				
Water delivery temperature, max/min	+16°C / +5°C (0°C with glycol)				
Δ Exchanger water temperature, min/max	+3°C / +8°C				
▼ General specifications					
Dimensions H x L x D (mm)	1 300 x 1 565 x 600		1 485 x 1 990 x 950		
Net weight (kg)	250	270	350	350	370

(1) Indicative data, must be checked against the installation conditions and legal requirements (3) Sound power in quiet operating mode, which limits power output to the nominal power rating (2) Sound pressure: unit outdoors on a reflective surface at a distance of 10m.

► Cooling units and heat pumps

Air/water chiller

AQUASET-T range

MODELS	CHGF		
	55	70	76
Single pump codes	CHG557F	CHG707F	CHG767F
Dual pump codes	CHG557FB	CHG707FB	CHG767FB
▼ Cooling specifications			
Power +7°C/+12°C (kW) / 35°C ext.	54.60	69.80	76.10
EER	2.98	2.96	2.77
Number of compressors	2		
R410A refrigerant charge (kg)	11.00	16.00	16.00
▼ Circuit specifications and connections			
Expansion tank capacity (l)	8		
Nominal water flow rate (+7°C/35°C) (m³/h)	9.4	12	13.1
Available head for pump (kPa)	135	129	115
Storage tank capacity (l)	125	125	125
Hydraulic connections	2" F		
▼ Electrical specifications and connections			
Power 50 Hz with GND	400V+N		
Startup current (A)	117	136	154

MODELS	CHGF		
	55	70	76
Single pump codes	CHG557F	CHG707F	CHG767F
Dual pump codes	CHG557FB	CHG707FB	CHG767FB
▼ Cooling specifications			
Power +7°C/+12°C (kW) / 35°C ext.	54.60	69.80	76.10
EER	2.98	2.96	2.77
Number of compressors	2		
R410A refrigerant charge (kg)	11.00	16.00	16.00
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Expansion tank capacity (l)	8		
Nominal water flow rate (+7°C/35°C) (m³/h)	9.4	12	13.1
Available head for pump (kPa)	135	129	115
Storage tank capacity (l)	125	125	125
Hydraulic connections	2" F		
▼ Electrical specifications and connections			
Power 50 Hz with GND	400V+N		
Startup current (A)	117	136	154
Max current draw with heating element (A)	48	57	69
Thermal cutout rating (A)	63	63	80
Power cord cross section (1)	5G 25 mm²	5G 35 mm²	5G 35 mm²
▼ Running noise			
Sound power per EN12102 (dBA)	81	81	81
Sound pressure level at 10 m (dBA) (2)	53	53	53
▼ Operating range			
Air temperature range	+47°C / -10°C		
Water delivery temperature, max/min	+16°C / +5°C (0°C with glycol)		
Δ Exchanger water temperature, min/max	+3°C / +8°C		
▼ General specifications			
Dimensions H x L x D (mm)	1 735 x 2 091 x 1 183		
Net weight (kg)	657	762	842

(1) Indicative data, must be checked against the installation conditions and legal requirements (2) Sound power in quiet operating mode, which limits power output to the nominal power rating (3) Sound pressure: unit outdoors on a reflective surface at a distance of 10m.

Accessories

Description	Code	Notes
Simplified remote control	70250078	On/Off, mode change, alarm indicator
Remote display	70250079	Keypad included, 3 m cable, power supply and RS 485 card
RS 485 communication interface - MODBUS protocol	70250080	For applications without keypad
RS 485 communication interface - MODBUS protocol	70250081	For applications with keypad and screen code 70250079
HP/LP pressure gauges	70970008	All models
Battery protection grille	70600041	Sizes 20 and 24
Battery protection grille	70600042	Sizes 28 - 40
Battery protection grille	70600043	Sizes 55 - 76
Set of vibration damping mounts	70600035	All models - Thickness 25 mm - 100 x 100 mm



Remote display

