



Technical Data

CTC Product catalogue



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Speed-controlled heat pumps for ground source, lake or geothermal heating with DHW

CTC GSi 600 (400V / 230V)		608	612	616	612 (230V)
Weight (packaged weight)	kg	275 (304)	275 (304)	278 (307)	252 (282)
Dimensions (depth x width x height)	mm	673 x 596 x 1876			673 x 596 x 1876
Required ceiling height	mm	1940			1940
Specified output max: W35 & B0/5/10 (EN14511)	kW	7.67 / 9.21 / 10.65	12.14 / 13.11 / 13.49	15.6 / 16.52 / 16.97	11.88 / 13.87 / 14.66
Input power max: W35 & B0/5/10 (EN14511)	kW	1.74 / 1.67 / 1.69	2.42 / 2.34 / 2.34	4.19 / 4.37 / 4.40	3.28 / 3.47 / 3.49
COP max: W35 & B0/5/10 (EN14511)		4.42 / 5.52 / 6.32	5.01 / 5.61 / 5.78	3.72 / 3.78 / 3.85	3.63 / 4.00 / 4.20
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	34	39	42	41
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	29	34	37	36
Electrical Data, connection		400V 3N~ 50Hz			230V 1N~ 50Hz
Rated current (Fuse)	A	15.2 (16)	22.7 (25)	23.8 (25)	51 (63)
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	2.1 / 2.1 / 5.8 / 5.8 / 5.8	0.3 / 0.9 / 2.1 / 7.2 / 9	- / 0.3 / 0.9 / 2.1 / 9*	-
Max. immersion heater output at group fuse: 20/25/32/35/50/63 A	kW	-	-	-	- / 0.9 / 0.9 / 5.2 / 5.5
Ingress protection class (IP)		IP X1			IP X1
Output range immersion heater (min-max)	kW	0.3-5.8	0.3-9.0	0.3-9.0 *	0.3-5.5
Refrigerant quantity (R407C, GWP 1774) * (R410A, GWP 2088)	kg	2.40	2.40	2.20	2.30
CO ₂ equivalent	tonnes	4.258	4.258	3.903	4.802
DHW-performance V ₄₀ Economy/Normal/Comfort (EN16147)	litres	210 / 235 / 304			210 / 232 / 304
SCOP cold climate: W35 (EN14825, P _{designh})		5.6	5.5	5.5	5.3
SCOP moderate climate: W35 (EN14825, P _{designh})		5.4	5.4	5.2	4.9
Package efficiency class: W35/W55 (A+++ to G)		A+++ / A+++			A+++ / A++
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++			A+++ / A++
Energy efficiency class DHW (A* to F) / tapprofil (EN16147)		A / XL			A / XL

* Max. 6 kW electric heater output in combination with compressor operation.

Heat pumps for ground source, lake or geothermal heating with DHW

CTC GS 600 (400V / 230V)		606	608	606 (230V)	608 (230V)
Weight (packaged weight)	kg	254 (283)	252 (281)	256 (285)	254 (283)
Dimensions (width x depth x height)	mm	673 x 596 x 1876	673 x 596 x 1882	673 x 596 x 1876	673 x 596 x 1882
Required ceiling height	mm	1940			
Specified output max: W35 & B0/5/10 (EN14511)	kW	6.04 / 6.8 / 7.54	8.29 / 9.52 / 10.9	6.04 / 6.8 / 7.54	8.29 / 9.52 / 10.9
Input power max: W35 & B0/5/10 (EN14511)	kW	1.34 / 1.33 / 1.41	1.74 / 1.76 / 1.83	1.34 / 1.33 / 1.41	1.74 / 1.76 / 1.83
COP max: W35 & B0/5/10 (EN14511)		4.52 / 5.11 / 5.36	4.77 / 5.4 / 5.93	4.52 / 5.11 / 5.36	4.77 / 5.4 / 5.93
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	41	39	41	39
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	36	34	36	34
Electrical Data, connection		400V 3N~ 50Hz		230V 1N~ 50Hz	
Rated current (fuse)	A	17.1 (20)	18.6 (20)	38 (50)	42.5 (50)
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	2.1 / 2.1 / 6.9 / 9.0 / 9.0	0.9 / 2.1 / 4.9 / 7.8 / 9.0	-	-
Max. immersion heater output at group fuse: 20/25/32/35/50/63 A	kW	-	-	0.3/ 0.9/ 3.2/ 3.2 / 5.5/ 5.5	0.0/ 0.0/ 0.9/ 2.3 / 5.5/ 5.5
Ingress Protection class (IP)		IP X1			
Output range immersion heater (min-max)	kW	0.3-9		0.3-5.5	
Refrigerant quantity (R407C, GWP 1774)	kg	1.9			
CO ₂ - equivalent	tonnes	3.371		3.371	
DHW-performance V ₄₀ Economy/Normal/Comfort (EN16147)	litres	210 / 239 / 304	210 / 241 / 304	210 / 239 / 304	210 / 241 / 304
SCOP cold climate: W35 (EN14825, P _{designh})		4.80	5.04	4.80	5.04
SCOP moderate climate: W35 (EN14825, P _{designh})		4.72	4.96	4.72	4.96
Package efficiency class: W35/W55 (A+++ to G)		A+++ / A++			
Energy efficiency class: W35/W55 (A+++ to D)		A++ / A++			
Energy efficiency class DHW (A* to F) / charge profile (EN16147)		A / XL			

Heat pumps for ground source, lake or geothermal heating with DHW

CTC EcoHeat 400 (400V)		406 / Inox	408 / Inox	410 / Inox	412 / Inox
Weight (packaged weight) / Inox (packaged weight)	kg	278 (307) / 267 (296)	276 (305) / 265 (294)	281 (310) / 270 (299)	294 (323) / 283 (312)
Dimensions (width x depth x height)	mm	673 x 596 x 1904			
Required ceiling height	mm	1925			
Specified output max: W35 & B0/5/10 (EN14511)	kW	5.90/6.81/ 7.21	8.19/9.44/ 10.65	9.97/11.42/ 12.49	11.75/13.53/ 15.45
Input power max: W35 & B0/5/10 (EN14511)	kW	1.29/1.30/1.39	1.79/1.88/1.93	2.17/2.20/2.29	2.55/2.65/2.78
COP max: W35 & B0/5/10 (EN14511)		4.57 /5.24 /5.2	4.58/5.02/5.53	4.60/5.20/5.45	4.60/5.11/5.57
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	43	46	49	50
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	38	41	44	45
Electrical Data, connection		400V 3N~ 50Hz			
Rated current (fuse)	A	19.7 (25)	20.4 (25)	22 (25)	23.4 (25)
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	2.1/ 2.1/ 6.9/ 9.0/ 9.0	0.9/ 2.1/ 6.9/ 7.8/ 9.0	0.9/ 2.1/ 2.1/ 7.8/ 9.0	NA/ 0.9/ 2.1/ 6.9/ 9.0
Ingress protection class (IP)		IP X1			
Output range immersion heater (min-max)	kW	0.3 - 9.0	0.3 - 9.0	0.3 - 9.0	0.3 - 9.0
Water volume: Heating system (V)	litres	223	223	223	223
Refrigerant quantity (R407C, GWP 1774)	kg	1.9	1.9	1.9	2.3
CO ₂ -equivalent	tonnes	3.370	3.370	3.370	4.080
DHW-performance V ₄₀ (EN 16147)	litres	<200			
SCOP cold climate: W35 (EN14825, P _{designh})		4.3	4.2	4.2	4.1
SCOP moderate climate: W35 (EN14825, P _{designh})		4.3	4.2	4.1	4.1
Package efficiency class: W35/W55 (A+++ to G)		A++ / A++			
Energy efficiency class: W35/W55 (A+++ to D)		A++ / A++			
Energy efficiency class DHW (A+ to F) / charge profile (EN16147)		A / L			

CTC EcoHeat 400 (230V)		406	408	410	412
Weight (packaged weight)	kg	278 (309)	276 (306)	281 (311)	294 (324)
Dimensions (width x depth x height)	mm	673 x 596 x 1904			
Required ceiling height	mm	1925			
Specified output max: W35 & B0/5/10 (EN14511)	kW	5.90/6.81/ 7.21	8.19/9.44/ 10.65	9.97/11.42/ 12.49	11.75/13.53/ 15.45
Input power max: W35 & B0/5/10 (EN14511)	kW	1.29/1.30/1.39	1.79/1.88/1.93	2.17/2.20/2.29	2.55/2.65/2.78
COP max: W35 & B0/5/10 (EN14511)		4.57 /5.24 /5.2	4.58/5.02/5.53	4.60/5.20/5.45	4.60/5.11/5.57
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	43	46	49	50
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	38	41	44	45
Electrical Data, connection		230V 1N~ 50Hz			
Rated current (fuse: 63 A)	A	52.2	57.6	59.7	62.3
Max. immersion heater output at group fuse: 20/25/32/35/50/63 A	kW	1.8/ 3.0/ 4.5/ 5.1/ 8.7/ 9.0	0.9/ 1.8/ 3.6/ 4.2/ 7.8/ 9.0	-/ 1.2/ 3.0/ 3.6/ 6.9/ 9.0	-/ 0.6/ 2.1/ 2.7/ 6.3/ 9.0
Ingress protection class (IP)		IP X1			
Output range immersion heater (min-max)	kW	0.3 - 9.0	0.3 - 9.0	0.3 - 9.0	0.3 - 9.0
Water volume: Heating system (V)	litres	223	223	223	223
Refrigerant quantity (R407C, GWP 1774)	kg	1.9	1.9	1.9	2.3
CO ₂ -equivalent	tonnes	3.370	3.370	3.370	4.080
DHW-performance V ₄₀ (EN 16147)	litres	<200			
SCOP cold climate: W35 (EN14825, P _{designh})		4.3	4.2	4.2	4.1
SCOP moderate climate: W35 (EN14825, P _{designh})		4.3	4.2	4.1	4.1
Package efficiency class: W35/W55 (A+++ to G)		A++ / A++			
Energy efficiency class: W35/W55 (A+++ to D)		A++ / A++			
Energy efficiency class DHW (A+ to F) / charge profile (EN16147)		A / L			

Speed-controlled compact heat pumps for ground source, lake or geothermal heating

CTC EcoPart 600M (400V)		612M	616M
Weight (packaged weight)	kg	170 (188)	172 (190)
Dimensions (depth x width x height)	mm	673 x 596 x 775	
Specified output max: W35 & B0/5/10 (EN14511)	kW	12.14 /13.11 /13.49	15.6 /16.52 /16.97
Input power max: W35 & B0/5/10 (EN14511)	kW	2.42 /2.34 /2.34	4.19 /4.37 /4.4
COP max: W35 & B0/5/10 (EN14511)		5.01 /5.61 /5.78	3.72 /3.78 /3.85
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	39	42
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	34	37
Electrical Data, connection		400V 3N~ 50Hz	
Rated current (fuse)	A	9.7 (10)	11.7 (13)
Ingress protection class (IP)		IP X1	
Refrigerant quantity (R407C, GWP 1774)	kg	2.40	2.2
CO ₂ equivalent	tonnes	4.258	3.903
SCOP cold climate: W35 (EN14825, P _{designh})		5.5	5,5
SCOP moderate climate: W35 (EN14825, P _{designh})		5.4	5,2
Package efficiency class: W35/55 with CTC EcoLogic (A+++ to G)		A+++ / A+++	
Energy efficiency class: W35/55 (A+++ to D)		A+++ / A+++	

Speed-controlled compact heat pumps for ground source, lake or geothermal heating with built in control

CTC EcoPart i600M (400V)		i608M	i612M	i616M
Weight (packaged weight)	kg	207 (230)	207 (230)	210 (233)
Dimensions (depth x width x height)	mm	673 x 596 x 1632		
Required ceiling height	mm	1700		
Specified output max: W35 & B0/5/10 (EN14511)	kW	7.67 /9.21 /10.65	12.14 /13.11 /13.49	15.6 /16.52 /16.97
Input power max: W35 & B0/5/10 (EN14511)	kW	1.74 /1.67 /1.69	2.42 /2.34 /2.34	4.19 /4.37 /4.40
COP max: W35 & B0/5/10 (EN14511)		4.42 /5.52 /6.32	5.01 /5.61 /5.78	3.72 /3.78 /3.85
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	34	39	42
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	29	34	37
Electrical Data, connection		400V 3N~ 50Hz		
Rated current (Fuse)	A	15.2 (16)	22.7 (25)	24.7 (25)
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	2.1/2.1/5.8 / 5.8 /5.8	0.3 /0.9 /2.1 / 7.2 /9	- /0.3 /0.9 / 2.1 /9
Ingress protection class (IP)		IP X1		
Output range immersion heater (min-max)	kW	0.3 - 5.8	0.3 - 9.0	0.3 - 9.0
Refrigerant quantity (R407C, GWP 1774)	kg	2.40	2.40	2.20
CO ₂ equivalent	tonnes	4.258	4.258	3.903
SCOP cold climate: W35 (EN14825, P _{designh})		5.6	5.5	5.5
SCOP moderate climate: W35 (EN14825, P _{designh})		5.4	5.4	5.2
Package efficiency class: W35/W55 (A+++ to G)		A+++ / A+++		
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++		

Compact heat pumps for ground source, lake or geothermal heating

CTC EcoPart 400 (400V)		406	408	410	412	414	417
Weight (packaged weight)	kg	148 (166)	145 (163)	151 (169)	165 (183)	171 (189)	172 (190)
Dimensions (width x depth x height)	mm	673 x 596 x 775					
Specified output max: W35 & B0/5/10 (EN14511)	kW	5.90 /6.81 /7.21	8.19 /9.44 /10.65	9.97 /11.42 /12.49	11.75 /13.53 /15.45	14.47 /16.48 /18.93	16.24 /19.25 /21.3
Input power max: W35 & B0/5/10 (EN14511)	kW	1.29 /1.30 /1.39	1.79 /1.88 /1.93	2.17 /2.20 /2.29	2.55 /2.65 /2.78	3.19 /3.21 /3.47	3.72 /3.83 /3.99
COP max: W35 & B0/5/10 (EN14511)		4.57 /5.24 /5.2	4.58 /5.02 /5.53	4.60 /5.20 /5.45	4.60 /5.11 /5.57	4.54 /5.13 /5.46	4.36 /5.02 /5.34
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	43	46	49	50	53	56
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	38	41	44	45	48	51
Electrical Data, connection		400V 3N~ 50Hz					
Rated current (fuse)	A	5.8 (10)	6.5 (10)	8.1 (10)	9.6 (10)	12.2 (13)	13.9 (16)
Ingress protection class (IP)		IP X1					
Refrigerant quantity (R407C, GWP 1774)	kg	1.9	1.9	1.9	2.3	2.7	2.7
CO ₂ -equivalent	tonnes	3.370	3.370	3.370	4.080	4.789	4.789
SCOP cold climate: W35 (EN14825, P _{designh})		4.8	4.8	4.8	4.8	4.6	4.8
SCOP moderate climate: W35 (EN14825, P _{designh})		4.7	4.7	4.7	4.8	4.6	4.7
Package efficiency class: W35/W55 with CTC EcoLogic (A ⁺⁺⁺ to G)		A ⁺⁺⁺ / A ⁺⁺					
Energy efficiency class: W35/W55 (A ⁺⁺⁺ to D)		A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺

CTC EcoPart 400 (230V)		406	408	410	412	414
Weight (packaged weight)	kg	150 (168)	146 (164)	152 (170)	166 (184)	167 (185)
Dimensions (width x depth x height)	mm	673 x 596 x 775				
Specified output max: W35 & B0/5/10 (EN14511)	kW	5.90 /6.81 /7.21	8.19 /9.44 /10.65	9.97 /11.42 /12.49	11.75 /13.53 /15.45	14.47 /16.48 /18.93
Input power max: W35 & B0/5/10 (EN14511)	kW	1.29 /1.30 /1.39	1.79 /1.88 /1.93	2.17 /2.20 /2.29	2.55 /2.65 /2.78	3.19 /3.21 /3.47
COP max: W35 & B0/5/10 (EN14511)		4.57 /5.24 /5.2	4.58 /5.02 /5.53	4.60 /5.20 /5.45	4.60 /5.11 /5.57	4.54 /5.13 /5.46
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	43	46	49	50	53
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	38	41	44	45	48
Electrical Data, connection		230V 1N~ 50Hz				
Rated current (fuse)	A	14.0 (16)	19.5 (20)	21.6 (25)	27.1 (32)	33.2 (35)
Ingress protection class (IP)		IP X1				
Refrigerant quantity (R407C, GWP 1774)	kg	1.9	1.9	1.9	2.3	2.7
CO ₂ -equivalent	tonnes	3.370	3.370	3.370	4.080	4.789
SCOP cold climate: W35 (EN14825, P _{designh})		4.8	4.8	4.8	4.8	4.6
SCOP moderate climate: W35 (EN14825, P _{designh})		4.7	4.7	4.7	4.8	4.6
Package efficiency class: W35/W55 with CTC EcoLogic (A ⁺⁺⁺ to G)		A ⁺⁺⁺ / A ⁺⁺				
Energy efficiency class: W35/W55 (A ⁺⁺⁺ to D)		A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺⁺ / A ⁺⁺	A ⁺⁺ / A ⁺⁺

Compact heat pumps for ground source, lake or geothermal heating with built in control

CTC EcoPart 400 Pro/Basic (400V)		425	430	435
Integrated control system model i425-i435 Pro		EcoLogic		
Weight (packaged weight)	kg	328 (353)	346 (371)	352 (377)
Rated current (fuse)	A	22.2 (25)	24.6 (25)	28.9 (32)
Integrated control system model 425-435 Basic		Basic		
Weight (packaged weight)	kg	323 (348)	344 (369)	349 (374)
Rated current (fuse)	A	21.1 (25)	23.5 (25)	27.8 (32)
Dimensions (depth x width x height)	mm	673 x 596 x 1760		
Specified output MAX : W35 & B0/5/10 (EN14511)	kW	24.43 /28.69 /31.95	27.99 /32.78 /36.75	32.48 /38.50 /42.60
Specified output MIN : W35 & B0/5/10 (EN14511)	kW	8.19 /9.44 /10.65	11.75 /13.53 /15.45	16.24 /19.25 /21.30
Input power MAX : W35 & B0/5/10 (EN14511)	kW	5.51 /5.71 /5.92	6.27 /6.48 /6.77	7.44 /7.66 /7.98
Input power MIN : W35 & B0/5/10 (EN14511)	kW	1.79 /1.88 /1.93	2.55 /2.65 /2.78	3.72 /3.83 /3.99
COP MAX : W35 & B0/5/10 (EN14511)		4.43 /5.02 /5.40	4.46 /5.06 /5.43	4.37 /5.03 /5.34
COP MIN : W35 & B0/5/10 (EN14511)		4.58 /5.02 /5.53	4.60 /5.11 /5.57	4.36 /5.02 /5.34
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	50	53	56
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	45	48	51
Electrical Data, connection		400V 3N~ 50Hz		
Ingress protection class (IP)		IPX1		
Refrigerant quantity (R407C, GWP 1774)	kg	4.6 (2.7+1.9)	5.0 (2.7+2.3)	5.4 (2.7+2.7)
CO ₂ -equivalent	tonnes	8.160	8.870	9.579
SCOP cold climate: W35 (EN14825, P _{designh})		4.8	4.6	4.8
SCOP moderate climate: W35 (EN14825, P _{designh})		4.8	4.6	4.7
Package efficiency class: W35/W55 (A+++ to G)		A+++		
Energy efficiency class: W35/W55 (A+++ to D)		A++		

Compact heat pumps for ground source, lake or geothermal heating with built in control

CTC EcoPart 400 Pro/Basic (230V)		425	430
Integrated control system model i425-i435 Pro		EcoLogic	
Weight (packaged weight)	kg	339 (364)	357 (382)
Rated current (fuse)	A	33.2+25.6 (63 / 35 + 32)	33.2+38.0 (70 / 35 + 40)
Integrated control system model 425-435 Basic		Basic	
Weight (packaged weight)	kg	334 (359)	355 (380)
Rated current (fuse)	A	33.2+21.6 (63 / 35 + 25)	33.2+33.2 (70 / 35 + 35)
Dimensions (depth x width x height)	mm	673 x 596 x 1760	
Specified output MAX : W35 & B0/5/10 (EN14511)	kW	24.44 /27.90 /31.42	28.94 /32.96 /37.86
Specified output MIN : W35 & B0/5/10 (EN14511)	kW	9.97 /11.42 /12.49	14.47 /16.48 /18.93
Input power MAX : W35 & B0/5/10 (EN14511)	kW	5.36 /5.41 /5.76	6.38 /6.42 /6.94
Input power MIN : W35 & B0/5/10 (EN14511)	kW	2.17 /2.20 /2.29	3.19 /3.21 /3.47
COP MAX : W35 & B0/5/10 (EN14511)		4.56 /5.16 /5.45	4.54 /5.13 /5.46
COP MIN : W35 & B0/5/10 (EN14511)		4.60 /5.20 /5.45	4.54 /5.13 /5.46
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	50	53
Sound pressure L _{PA} 1m B0/W35 (EN ISO 11203)	dB(A)	45	48
Electrical Data, connection		230V 1N~ 50 Hz	
Ingress protection class (IP)		IPX1	
Refrigerant quantity (R407C, GWP 1774)	kg	4.6 (2.7+1.9)	5.4 (2.7+2.7)
CO ₂ -equivalent	tonnes	8.160	9.579
SCOP cold climate: W35 (EN14825, P _{designh})		4.8	4.6
SCOP moderate climate: W35 (EN14825, P _{designh})		4.8	4.6
Package efficiency class: W35/W55 (A+++ to G)		A+++	
Energy efficiency class: W35/W55 (A+++ to D)		A++	

Air-to-water heat pumps

CTC EcoAir 400 (400V)		406	408	410	415	420
Weight (packaged weight)	kg	145 (164)	150 (169)	190 (210)	212 (232)	214 (234)
Dimensions (depth x width x height)	mm	545 x 1245 x 1080		645 x 1375 x 1180		
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	7.24 /6.22 /4.69 /3.87 /2.84	9.12 /7.83 /6.02 /4.73 /3.63	13.60 /11.51 /8.91 /7.32 /5.58	18.26 /15.92 /12.08 /10.03 /7.77	20.78 /17.55 /13.87 /11.42 /8.96
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	1.33 /1.30 /1.28 /1.25 /1.17	1.66 /1.62 /1.60 /1.57 /1.50	2.44 /2.46 /2.39 /2.29 /2.15	3.55 /3.52 /3.39 /3.30 /3.10	4.14 /4.06 /3.92 /3.78 /3.59
COP max: W35 & A +12/+7/+2/-7/-15 (EN14511)		5.44 /4.78 /3.66 /3.10 /2.42	5.50 /4.83 /3.76 /3.02 /2.42	5.57 /4.68 /3.72 /3.20 /2.59	5.14 /4.52 /3.57 /3.03 /2.50	5.02 /4.33 /3.54 /3.02 /2.50
Sound power L _{WA} / silent mode A7/W35 (EN12102)	dB(A)	56	58	58	64 / 61	66 / 64
Sound pressure L _{pA} 5 m / silent mode A7/W35	dB(A)	37	39	39	45 / 42	47 / 45
Sound pressure L _{pA} 10 m / silent mode A7/W35	dB(A)	31	33	33	39 / 36	41 / 39
Electrical Data, connection		400V 3N~ 50Hz				
Rated current (Fuse)	A	4.0 (10)	4.9 (10)	7.5 (10)	10.0 (13)	11.8 (13)
Ingress Protection class (IP)		IP X4				
Airflow: max / silent mode	m ³ /h	2500	2800	4100	5400 / 4000	6200 / 5400
Refrigerant quantity (R407C, GWP 1774)	kg	2.2	2.2	2.7	3.4	3.5
CO ₂ - equivalent (* Hermetically sealed equipment)	tonnes	3.902	3.902	4.790	6.032 *	6.209 *
SCOP cold climate: W35 (EN14825, P _{designh})		3.4	3.4	3.5	3.3	3.3
SCOP moderate climate: W35 (EN14825, P _{designh})		3.9	3.9	3.9	3.8	3.7
SCOP warm climate: W35 (EN14825, P _{designh})		4.8	4.9	4.8	4.6	4.5
Package efficiency class: W35/W55 (A+++ to G)		A++ / A+	A++ / A+	A++ / A++	A++ / A+	A+ / A+
Energy efficiency class: W35/W55 (A+++ to D)		A++ / A+	A++ / A+	A++ / A++	A+ / A+	A+ / A+

CTC EcoAir 400 (230V)		406	408	410
Weight (packaged weight)	kg	145 (164)	150 (169)	190 (210)
Dimensions (depth x width x height)	mm	545 x 1245 x 1080		645 x 1375 x 1180
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	7.24 /6.22 /4.69 /3.87 /2.84	9.12 /7.83 /6.02 /4.73 /3.63	13.60 /11.51 /8.91 /7.32 /5.58
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	1.33 /1.30 /1.28 /1.25 /1.17	1.66 /1.62 /1.60 /1.57 /1.50	2.44 /2.46 /2.39 /2.29 /2.15
COP max: W35 & A +12/+7/+2/-7/-15 (EN14511)		5.44 /4.78 /3.66 /3.10 /2.42	5.50 /4.83 /3.76 /3.02 /2.42	5.57 /4.68 /3.72 /3.20 /2.59
Sound power L _{WA} A7/W35 (EN 12102)	dB(A)	56	58	58
Sound pressure L _{pA} 5m A7/W35	dB(A)	37	39	39
Sound pressure L _{pA} 10m A7/W35	dB(A)	31	33	33
Electrical Data, connection		230V 1N~ 50Hz		
Rated current (Fuse)	A	10.3 (13)	12.4 (13)	18.8 (20)
Ingress Protection class (IP)		IP X4		
Airflow: max	m ³ /h	2500	2800	4100
Refrigerant quantity (R407C, GWP 1774)	kg	2.2	2.2	2.7
CO ₂ -equivalent	tonnes	3.902	3.902	4.790
SCOP cold climate: W35 (EN14825, P _{designh})		3.4	3.4	3.5
SCOP moderate climate: W35 (EN14825, P _{designh})		3.9	3.9	3.9
SCOP warm climate: W35 (EN14825, P _{designh})		4.8	4.9	4.8
Package efficiency class: W35/W55 (A+++ to G)		A++ / A+	A++ / A+	A++ / A++
Energy efficiency class: W35/W55 (A+++ to D)		A++ / A+	A++ / A+	A++ / A++

Speed-controlled air-to-water heat pumps for both cooling and heating

CTC EcoAir 700M (400V / 230V)		708M	712M	708M _{230V}	712M _{230V}
Weight (packaged weight)	kg	164 (189)	164 (189)	160 (185)	160 (185)
Dimensions (depth x width x height)	mm	510x1248x1068		510x1248x1068	
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	8.71 /6.96 /5.66 /5.51 /4.13	11.23 /9.04/7.36 /7.11 /6.24	8.71 /6.96 /5.66 /5.51 /4.13	11.23 /9.04/7.36 /7.11 /6.24
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	1.82 /1.72 /1.62 /1.75 /1.62	2.60 /2.63 /2.54 /2.08 /2.74	1.82 /1.72 /1.62 /1.75 /1.62	2.60 /2.63 /2.54 /2.08 /2.74
COP max: W35 & A +12/+7/+2/-7/-15 (EN14511)		4.78 /4.05 /3.49 /3.15 /2.55	4.33 /3.44 /2.90 /2.54 /2.27	4.78 /4.05 /3.49 /3.15 /2.55	4.33 /3.44 /2.90 /2.54 /2.27
Sound power L _{WA} W35/A7 (EN 12102)	dB(A)	46	47	46	47
Sound pressure L _{pA} 5 m	dB(A)	27	28	27	28
Sound pressure L _{pA} 10 m	dB(A)	21	22	21	22
Electrical Data, connection		400V 3N~ 50Hz		230V 1N~ 50Hz	
Rated current (max fuse)	A	4.7 (16)	8 (16)	16 (16)	16 (16)
Ingress protection class (IP)		IP X4		IP X4	
Airflow: nominal/max	m ³ /h	2787 / 3041	2787 / 3340	2787 / 3041	2787 / 3340
Refrigerant quantity (R290, GWP 0.02)	kg	0.8	0.8	0.8	0.8
CO ₂ - equivalent	tonnes	0.000016	0.000016	0.000016	0.000016
SCOP cold climate: W35/W55 (EN14825, P _{designh})		4.25 / 3.43	4.24 / 3.38	4.25 / 3.43	4.24 / 3.38
SCOP average climate: W35/W55 (EN14825, P _{designh})		5.04 / 3.83	5.00 / 3.86	5.04 / 3.83	5.00 / 3.86
SCOP warm climate: W35/W55 (EN14825, P _{designh})		6.16 / 4.67	6.07 / 4.48	6.16 / 4.67	6.07 / 4.48
Package efficiency class: W35/W55 (A+++ to G) *		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Energy efficiency class: W35/W55 (A+++ to D)		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Cooling capacity max: A27 & W18 / W7 (EN14511)	kW	8.44 / 6.30	8.44 / 6.30	8.44 / 6.30	8.44 / 6.30
EER max: A27 & W18 / W7 (EN14511)		3.75 / 3.05	3.75 / 3.05	3.75 / 3.05	3.75 / 3.05

CTC EcoAir 600M/500M (400V / 230V)		610M	614M	622M	510M _{230V}
Weight (packaged weight)	kg	174 (204)	174 (204)	192 (226)	136 (155)
Dimensions (depth x width x height)	mm	545x1245x1080		645x1375x1180	545x1245x1080
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	11.05/9.61/ 7.08/6.20/5.01	13.34/10.79/ 9.66/8.69/7.57	24.47/18.51/ 15.39/13.99/12.05	-/11.00/ 9.00/6.50/5.50
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	2.40/2.38/2.18 /2.20/2.13	4.12/3.70/3.67 /3.94/3.82	6.98/6.35/5.91 /6.03/5.99	-/3.20/3.10 /3.00/2.80
COP max: W35 & A +12/+7/+2/-7/-15 (EN14511)		4.60/4.04/3.25 /2.82/2.35	3.24/2.92/2.63 /2.21/1.98	3.51/2.92/2.60 /2.32/2.01	-/3.44/2.90 /2.17/1.96
Sound power L _{WA} A7/W35 (EN 12102)	dB(A)	53	51	55	58
Sound pressure L _{pA} 5m A7/W35	dB(A)	34	32	36	39
Sound pressure L _{pA} 10m A7/W35	dB(A)	28	26	30	33
Electrical Data, connection		400V 3N~ 50Hz			230V 1N~ 50 Hz
Rated current/ with speed regulation in control unit	A	7.1/ 6.6	10.2/ 9.4	16.9/ 15.5	20.8
Fuse/ with speed regulation in control unit	A	10/ 10	13/ 10	20/ 16	25
Ingress protection class (IP)		IP X4			
Airflow: max.	m ³ /h	3129	3129	5457	3800
Refrigerant quantity (R407C, GWP 1774) (R410A, GWP 2088) *	kg	2.2	2.2	2.7	2.2 *
CO ₂ - equivalent	tonnes	3.903	3.903	4.790	4.594
SCOP cold climate: W35 (EN14825, P _{designh})		4.1	3.9	4.3	3.9
SCOP moderate climate: W35 (EN14825, P _{designh})		4.8	4.9	4.9	4.4
SCOP warm climate: W35 (EN14825, P _{designh})		5.9	5.9	6.2	5.5
Package efficiency class: W35/55 (A+++ to G)		A+++ / A++	A+++ / A+++	A+++ / A+++	A+++ / A++
Energy efficiency class: W35/55 (A+++ to D)		A+++ / A++	A+++ / A++	A+++ / A++	A++ / A++

Indoor module with heat pump control, DHW and ventilation

CTC EcoVent i360F (400V)		i360F	+ CTC EcoAir 406	+ CTC EcoAir 614M	+ CTC EcoAir 708M
Weight (packaged weight)	kg	174 (203)	145 (164)	174 (204)	164 (189)
Dimensions (depth x width x height)	mm	673 x 596 x 2223	545 x 1245 x 1080		510 x 1248 x 1068
Electrical Data, connection		400V 3N~ 50Hz			
Specified output max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	-	7.24 /6.22 /4.69 /3.87 /2.84	13.34 /10.79 /9.66 /8.69 /7.57	8.71 /6.96 /5.66 /5.51 /4.13
Input power max: W35 & A +12/+7/+2/-7/-15 (EN14511)	kW	-	1.33 /1.30 /1.28 /1.25 /1.17	4.12 /3.70 /3.67 /3.94 /3.82	1.82 /1.72 /1.62 /1.75 /1.62
COP max: W35 & A +12/+7/+2/-7/-15 (EN14511)			5.44 /4.78 /3.66 /3.10 /2.42	3.24 /2.92 /2.63 /2.21 /1.98	4.78 /4.05 /3.49 /3.15 /2.55
Rated current	A	19.0	4.0	10.2	4.7
Max. immersion heater output at group fuse: 10/13/16/20/25 A		3.5/6.1/ 8.9/9.9/11.9	-		
Output range immersion heater (min-max)	kW	0.5-11.9	-		
Package efficiency class: W35/W55 (A+++ to G)		A+++ / A++	A++ / A+	A+++ / A+++	A+++ / A+++
Energy efficiency class: W35/W55 (A+++ to D)		-	A++ / A+	A+++ / A+++	A+++ / A+++
Ingress protection class (IP)		IP X1	IP X4		
Energy efficiency class DHW / charge profile (A+ to F) (EN16147)		A+++/XL	-		
DHW performance V ₄₀ Economy/Normal/Comfort (EN 16147)	litres	210/235/304	-		
Ventilation					
Specific energy consumption (SEC) cold/moderate/warm climate	kWh/m ² /year	-54.4/-27.4/-11.9	<p>Schematic diagram – ventilation</p>		
Specific energy consumption class (EU) no. 1254/ Appendix II (A+ to G)		B			
Maximum flow	l/s (m ³ /h)	80 (288)			
Reference flow (SEK), (EU) no. 1254	l/s (m ³ /s)	56 (0.056)			
Sound power max. flow (L _{WA})	dB(A)	42			
Sound power reference flow (L _{WA})	dB(A)	35			
Filter class EN 779		G4			
Max/min building size (at 0.35 l/s m ²)	m ²	228/80			

Indoor modules with heat pump control and DHW

CTC EcoZenith i255 (400V)		i255 H	i255 L	i255 L inox
Weight (packaged weight)	kg	182 (211)	165 (192)	157 (184)
Dimensions (depth x width x height)	mm	673 x 596 x 1904	673 x 596 x 1649	
Required ceiling height	mm	1901	1659	
Sound power L _{WA} (EN 12102)	dB(A)	15		
Electrical Data, connection		400V 3N~ 50Hz		
Rated power / optional 18 kW	kW	15 / 18		
Rated current / optional 18 kW	A	23.9 / 28.3		
Max. immersion heater output at group fuse: (upper+lower) 10/13/16/20/25 A	kW	15 kW: 2.1+0 / 0.9+6 / 9+0 / 6.9+6 / 9+6 18 kW: 2.1+0 / 0.9+6 / 9+0 / 2.1+9 / 6.9+9		
Fuse / optional 18 kW	A	25 / 32		
Output range immersion heater / optional 18 kW (upper+lower)	kW	0.3 - 15/18		
Enclosure class (IP)		IP X1		
Max. operating pressure: Heating system (PS)	bar	3		
Max. operating pressure: DHW	bar	10		
Water volume: Heating system (V)	litres	223		
Water volume: DHW	litres	5.7		
Max. operating temperature (TS)	°C	100		
DHW performance V _{d0} (EN 16147)	litres	<200		
Package efficiency class: W35/55 (A+++ to G)		A++ / A++		
Energy efficiency class DHW (A+ to F) / charge profile (EN16147)		B / L		

CTC EcoZenith i255 (230V)		i255 L
Weight (packaged weight)	kg	167 (194)
Dimensions (depth x width x height)	mm	673 x 596 x 1649
Required ceiling height	mm	1659
Sound power L _{WA} (EN 12102)	dB(A)	15
Electrical Data, connection		230V 1N~ 50Hz
Rated power	kW	12
Rated current	A	53.2
Max. immersion heater output at group fuse: (upper+lower) 20/25/32/35/50/63 A	kW	4 / 5 / 7 / 7 / 11 / 12
Fuse	A	63
Output range immersion heater (min-max) (upper+lower)	kW	1.0 - 12.0
Enclosure class (IP)		IP X1
Max. operating pressure: Heating system (PS)	bar	3
Max. operating pressure: DHW	bar	10
Water volume: Heating system (V)	litres	223
Water volume: DHW	litres	5.7
Max. operating temperature (TS)	°C	100
DHW performance V _{d0} (EN 16147)	litres	<200
Package efficiency class: W35/55 (A+++ to G)		A++ / A++
Energy efficiency class DHW (A+ to F) / charge profile (EN16147)		B / L

Indoor modules with heat pump control and DHW

CTC EcoZenith i555 (400V / 230V)		i555 Pro	i555 Pro (230V)
Weight (packaged weight)	kg	260 (295)	260 (295)
Dimensions (depth x width x height)	mm	1067 x 886 x 1700	1067 x 886 x 1700
Required ceiling height	mm	1950	1950
Sound power L _{WA} B0/W35 (EN 12102)	dB(A)	15	15
Electrical Data, connection		400V 3N~ 50Hz	230V 1N~ 50 Hz
Rated power (optional)	kW	18 (27)	9
Rated current (optional)	A	26.1 (39.1)	40
Max. immersion heater output at group fuse: 20/25/32/35/50/63 A	kW	11.1/16.2/20.1/22.2/27/27	4/5/7/8/9/9
Fuse (optional)	A	32 (50)	40
Ingress protection class (IP)		IP X1	IP X1
Output range immersion heater: upper tank / optional (min-max)	kW	0.3 - 9 / 0.3 - 9	3 - 9
Output range immersion heater: lower tank	kW	3 - 9	-
Max. operating pressure: Heating system (PS)	bar	2.5	2.5
Max. operating pressure: DHW	bar	9	9
Water volume: Heating system (V)	litres	540	540
Water volume: DHW	litres	11.4	11.4
DHW performance V ₄₀ (EN 16147)	litres	>600	>600
Package efficiency class: W35/55 (A+++ to G)		A++ / A+	A++ / A+
Energy efficiency class DHW (A* to F) / charge profile (EN16147)		A / XXL	A / XXL

CTC EcoZenith i360 (400V / 230V)		i360 H	i360 L	i360 L (230V)
Weight (packaged weight)	kg	156 (185)	145 (172)	
Dimensions (depth x width x height)	mm	673 x 596 x 1867	673 x 596 x 1669	
Required ceiling height	mm	1928	1669	
K _v value – product (1Bar Δp)		2.7	2.6	
Sound power L _{WA} (EN 12102)	dB(A)	15		
Electrical data, connection		400V 3N~ 50Hz	230V 1N~ 50Hz	
Rated power	kW	12.2	9.3	
Rated current (fuse)	A	19 (20)	41 (50)	
Max. immersion heater output at group fuse: 10/13/16/20/25/32/35/50/63 A	kW	3.5/6.1/8.4/ 9.9/11.9/-/-/-/-	-/-/-/ 3.8/5.2/6.7/7.5/9/9	
Ingress protection class (IP)		IP X1		
Output range immersion heater (min-max)	kW	0.5 - 11.9	0.3 - 9.0	
Max. operating pressure: Heating system (PS)	bar	3		
Max. operating pressure: DHW	bar	10		
Water volume: Heating system (V)	litres	225		
Water volume: DHW	litres	1.7		
DHW performance V ₄₀ Economy/Normal/Comfort (EN 16147)	litres	210 / 235 / 304		
Package efficiency class: W35/55 (A+++ to G)		A+++ / A+++		
Energy efficiency class DHW (A* to F) / charge profile (EN16147)		A / XL		

Advanced heat pump control for heating systems

Control of:	CTC EcoLogic L	CTC EcoLogic M
Heat pump 1-2	x	x
Heat pump 3-10	x	
Heating system 1-2	x	x
Heating system 3-4	x	
Solar heating	x	
Pool	x	
Cooling	x	
Hot water circulation	x	
Ventilation	x	x

Ultra-efficient water heaters for nearly all needs

CTC Brilliant (400V / 230V)		60 (230V)	110 (230V)	200	300
Type		Wall mounted		Floor standing	
Weight	kg	21	29.6	66	89
Dimensions (depth x width x height)	mm	458 x 444 x 730	458 x 444 x 1120	620 x 596 x 1486	620 x 596 x 1872
DHW connection (clamp ring)	mm	15	15	22	22
Drain connection (clamp ring)	mm	15	15	22	22
Sound power L _{WA} (EN 12102)	dB(A)	15	15	15	15
Electrical Data, connection		230V 1N~ 50/60 Hz		400V 2N~ 50/60 Hz	
Rated current (Fuse)	A	8.7 (10)	8.7 (10)	5.3 (10)	5.3 (10)
Ingress protection class (IP)		IP 22		IP 44	
Immersion heater 1" 230V Immersion length: 317 mm	kW	2	2	-	-
Immersion heater 1" 400V Immersion length: 445mm	kW	-	-	3	3
Output range immersion heater (min-max)	kW	2-2	2-2	3-3	3-3
Max. operating pressure: DHW	bar	10	10	10	10
Water volume: DHW	litres	56	100	190	282
DHW performance V ₄₀ (EN 16147)	litres	71	146	281	392
Heating time from 10 to 60 °C	min	100	195	215	330
Thermostat factory setting (30-75 °C)	°C	60	60	60	60
Energy efficiency class DHW (A* to F) / charge profile (EN16147)		C / M	B / M	C / XL	C / XL

CTC Modul (400V)		300 E15	400 E15	400 L
Weight (packaged weight)	kg	49 (56)	61 (66)	58 (61)
Dimensions (Ø x height)	mm	Ø 585 x 1582	Ø 646 x 2132	
Required ceiling height	mm	1660	2210	
DHW connection (flange)		DN40 (1 ½")		
Sound power L _{WA} (EN 12102)	dB(A)	15		
Electrical Data, connection		400V 3N~ 50Hz		-
Rated current: 7.5 kW (15 kW)	A	10.84 (21.68)		-
Fuse: 7.5 kW (15 kW)	A	13 (25)		-
Ingress protection class (IP)		IP 44		
Output range immersion heater: 7.5 kW (15 kW)	kW	2.5 - 7.5 (5 - 15)		-
Max. operating pressure: DHW	bar	10		
Water volume: DHW	litres	282	380	
DHW performance V ₄₀ (EN 16147)	litres	430	572	-
Heating time from 10 to 60 °C	min	72	122	-
Energy efficiency class DHW (A* to F) / charge profile (EN16147)		D / XL		C / -

Coil tanks and volume tanks of 300–750 litres

CTC AT - 3 bar		300	300/25	500	500/25	500/50
Weight	kg	90	117	118	143	168
Dimensions (depth x width x height)	mm	637 x 600 x 1562		696 x 695 x 1740		
Connection, supply / return: heat source		DN32 (1 ¼")		DN50 (2")		
Connection, supply / return: heating system		DN32 (1 ¼")		DN50 (2")		
Connection immersion heater		DN50 (2")				
Connection thermometer		DN20 (¾")				
Connection hot water coil	mm	-	Ø22	-	Ø22	Ø22
Water volume: DHW	litres	-	5.5	-	5.5	11
Water volume: Heating system (V)	litres	293	287.5	478	472.5	467
Energy efficiency class tank (A+ to F)		C				

CTC AT - 3 bar		750	750/50	750/75	1000
Weight	kg	118	168	193	175
Dimensions (Ø x height)	mm	Ø960 x 1820			Ø1090x1910
Connection, supply / return: heat source		DN50 (2")			DN80 (3")
Connection, supply / return: heating system		DN50 (2")			DN80 (3")
Connection immersion heater		DN50 (2")			DN80 (3")
Connection thermometer		DN20 (¾")			DN20 (¾")
Connection hot water coil	mm	-	Ø22		-
Water volume: DHW	litres	-	11	16.5	-
Water volume: Heating system (V)	litres	721	710	704.5	971
Energy efficiency class tank (A+ to F)		-			-

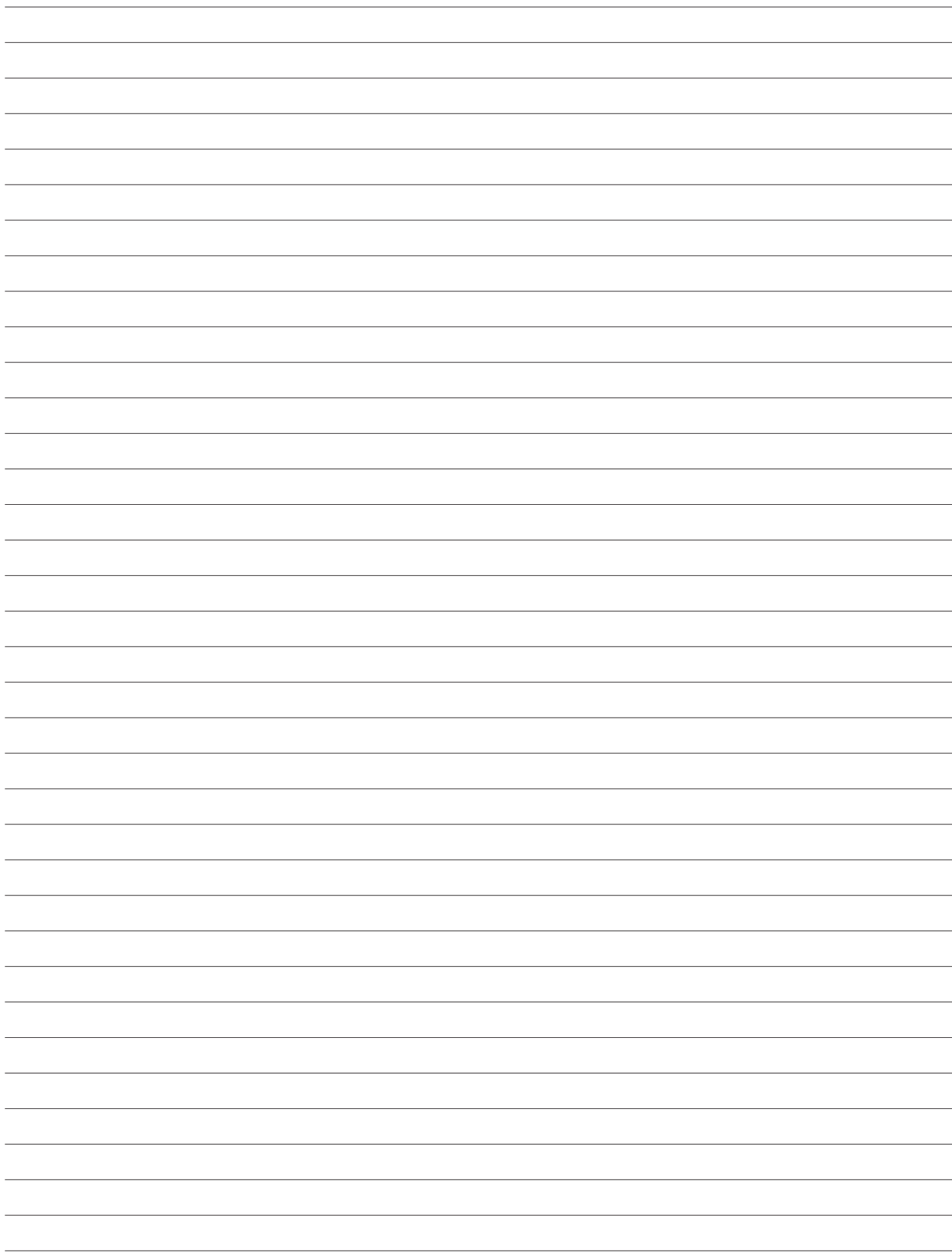
CTC AT - 6 bar		500	500/50	750	750/50	750/75
Weight	kg	118	168	139	190	215
Dimensions (Ø x height)	mm	Ø840 x 1780		Ø950 x 1820		
Connection, supply / return: heat source		DN50 (2")		DN50 (2")		
Connection, supply / return: heating system		DN50 (2")		DN50 (2")		
Connection immersion heater		DN50 (2")		DN50 (2")		
Connection thermometer		DN20 (¾")		DN20 (¾")		
Connection hot water coil	mm	-	Ø22	-	Ø22	
Water volume: DHW	litres	-	11	-	11	16.5
Water volume: Heating system (V)	litres	503	492	689	678	672.5
Energy efficiency class tank (A+ to F)		-	C	-		

Volume tanks of 50–300 litres

CTC VT		VT 80	VT 50	VT 100	VT 200C	VT 300C
Weight (packaged weight)	kg	14 (15)	16.5 (18.5)	29 (31)	55 (67)	71 (84)
Dimensions (Ø x height)	mm	Ø510x845	Ø454x570	Ø454x1010	Ø570x1460	Ø670x1500
Connection, supply/return		R 3/4"	DN32 (G1 1/4")	DN32 (G1 1/4")	DN32 (G1 1/4")	DN32 (G1 1/4")
Connection, bleed/expansion		DN15 (G 1/2")	DN15 (G 1/2")	DN15 (G 1/2")	DN32 (G1 1/4")	DN32 (G1 1/4")
Connection, drain		-	DN15 (G 1/2")	DN15 (G 1/2")	-	
Immersion tube, temperature sensor	mm	DN15 (G 1/2")	-	Ø9	Ø9	
Connection immersion heater		-	-		DN40 (G1 1/2")	
Max. operating pressure: Heating system (PS)	bar	3	10		6	
Water volume: Heating system (V)	litres	81	51	102	195	288
Standing loss (S) (EN12897)	W	42.4	46	67	71	89
Max. water temperature	°C	95	95		95	
Min. water temperature cooling	°C	-	-		5	
Energy efficiency class tank (A* to F)		B	C		C	

Electric backup heating for heat pump systems

CTC EL		9	15	26	42
Weight (packaged weight)	kg	9.3 (9.4)	11 (11.1)	15 (15.1)	33 (41)
Dimensions (depth x width x height)	mm	138 x 244 x 563			402 x 354 x 712
Connection, supply/return		DN32 (G1 1/4")			DN40 (G1 1/2")
Electrical data, connection		400V 3N~50 Hz			
Sound power L _{WA} (EN 12102)	dB(A)	35	35	35	35
Rated current	kW	9	15	26	42
Max. immersion heater output at group fuse: 10/13/16/20/25 A	kW	6/9/9/9/9	5/5/10/10/15	N/A	N/A
Max. immersion heater output at group fuse: 20/25/32/35/50/63 A	kW	N/A	N/A	11/15/22/22/26/26	12/12/18/24/30/42
Rated current (fuse)	A	12.99 (16)	21.65 (25)	37.53 (40)	60.62 (63)
Ingress protection class (IP)		IP 44			IP 21
Output range immersion heater (min-max)	kW	3-9	5-15	4-26	6-42
Max. operating pressure: Heating system (PS)	bar	7.0	7.0	7.0	7.0
Water volume: Heating system (V)	litres	1.6	4.5	4.5	10
Energy efficiency class (A+++ to D)		D	D	D	D



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