



QUICK SIZING OF CENTRALISED HEAT INTERFACE UNITS

These tables are used for approximate sizing of centralised heat interface units. For quick sizing to be possible, the flow temperature from the cylinder, the desired DHW temperature supplied to the draw-off point and the required draw-off rate in l/min must be known.

PRODUCT OVERVIEW: TACOTHERM FRESH CENTRALISED HEAT INTERFACE UNITS

Product photo	Unit / type	Flow rate	Version
	TacoTherm Fresh Mega3	23 l/min*	<ul style="list-style-type: none"> ▪ With and without DHW circulation pump ▪ With and without dual-zone stratification ▪ With ModBus RTU interface ▪ Cascadable
	TacoTherm Fresh Mega3 X	34 l/min*	
	TacoTherm Fresh Peta2	63 l/min*	
	TacoTherm Fresh Peta2 X	97 l/min*	

* Flow rates at 70 °C primary temperature, DHW heating from 10 °C to 60 °C and 100 mbar residual head.

TACOTHERM FRESH MEGA3

PRIMARY FLOW RATE: 1700 L/H, RESIDUAL HEAD: 100 MBAR
 SVGW NR. 1808-6783

Tcyl °C	DHW °C	Flow rate l/min	P kW	Trtn °C	Standard [35 kW]* RU	Comfort [46 kW]* RU
45	40	20	41	24	1	0
50	40	27	56	21	3	1
	45	19	45	27	1	0
55	40	33	69	20	4	2
	45	25	61	24	3	1
	50	18	50	29	2	1
60	40	38	80	19	6	3
	45	31	75	22	5	3
	50	24	67	26	4	2
	55	17	54	32	2	1
65	40	44	93	18	9	5
	45	36	88	20	8	4
	50	29	80	24	6	3
	55	23	71	28	5	2
	60	17	61	34	3	1
70	40	49	103	17	12	6
	45	40	98	20	10	5
	50	34	94	22	9	5
	55	28	86	26	8	4
	60	23	78	30	6	3
	65	17	64	37	4	2
75	40	55	136	17	23	12
	45	45	110	19	14	7
	50	38	105	21	12	6
	55	32	100	24	11	6
	60	26	92	28	9	4
	65	22	83	33	7	3
80	40	59	124	16	18	10
	45	50	121	18	17	9
	50	42	117	20	16	8
	55	36	112	23	14	7
	60	31	106	26	13	6
	65	26	98	30	11	5

* Calculated in accordance with 4708/Redan; differs from the CH standard

Tcyl Temperature arriFlow rating at the centralised heat interface unit

DHW DHW temperature (going to draw-off point)

Trtn Temperature of water returning to cylinder

RU Residential units

TACOTHERM FRESH MEGA3 X

PRIMARY FLOW RATE: 2500 L/H, RESIDUAL HEAD: 100 MBAR
SVGW NR. 1808-6783

Tcyl °C	DHW °C	Flow rate l/min	P kW	Trtn °C	Standard (35 kW)* RU	Comfort (46 kW)* RU
45	40	30	63	23	3	2
50	40	41	85	21	7	4
	45	29	70	26	4	2
55	40	49	101	19	11	6
	45	38	93	23	9	5
	50	28	77	28	6	3
60	40	58	121	18	17	9
	45	46	112	21	15	7
	50	36	101	25	11	6
	55	27	84	31	7	4
65	40	60**	125	17	19	10
	45	54	131	20	21	11
	50	44	121	23	18	9
	55	35	110	27	14	7
	60	26	91	34	9	4
70	40	60**	125	15	19	10
	45	60**	146	20	27	14
	50	51	141	21	25	13
	55	42	131	25	21	11
	60	34	118	29	16	8
	65	26	98	36	10	5
75	40	60**	125	14	19	10
	45	60**	146	17	27	14
	50	57	158	20	33	17
	55	48	150	23	29	15
	60	40	138	27	24	12
	65	33	126	32	19	10
80	40	60**	125	14	19	10
	45	60**	146	16	27	14
	50	60**	167	19	37	20
	55	54	168	22	38	20
	60	46	159	25	33	17
	65	39	148	29	28	15

* Calculated in accordance with 4708/Redan; differs from the CH standard

** Max. flow 160 l/min, continuous flow 80 l/min

Tcyl Temperature arriFlow rating at the centralised heat interface unit

DHW DHW temperature (going to draw-off point)

Trtn Temperature of water returning to cylinder

RU Residential units

TACOTHERM FRESH PETA2

PRIMARY FLOW RATE: 3800 L/H, RESIDUAL HEAD: 100 MBAR
 SVGW NR. 1808-6782

Tcyl °C	DHW °C	Flow rate l/min	P kW	Trtn °C	Standard [35 kW]* RU	Comfort [46 kW]* RU
45	40	59	123	17	18	9
50	40	74	154	15	31	16
	45	57	138	19	24	12
55	40	86**	180	14	45	23
	45	70	170	16	39	20
	50	55	152	20	30	16
60	40	97**	204	13	60	31
	45	81**	197	15	55	29
	50	67	186	17	48	25
	55	53	167	22	37	20
65	40	109**	228	12	78	41
	45	91**	222	14	73	38
	50	77	214	16	67	35
	55	65	202	18	59	31
	60	52	182	23	46	24
70	40	120**	250	12	96	51
	45	101**	246	13	93	49
	50	86**	239	15	87	46
	55	74	231	17	80	42
	60	63	218	20	70	37
	65	51	196	25	55	29
75	40	130**	272	12	117	62
	45	110**	268	13	113	60
	50	95**	263	14	108	57
	55	82**	257	15	103	54
	60	71	247	18	94	50
	65	61	234	21	82	43
80	40	141**	294	12	141	74
	45	119**	291	12	137	72
	50	103**	286	13	132	70
	55	90**	281	15	127	67
	60	79	274	16	119	63
	65	69	264	19	109	58

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** Max. flow 160 l/min, continuous flow 80 l/min

Tcyl Temperature arriFlow rating at the centralised heat interface unit

DHW DHW temperature (going to draw-off point)

Trtn Temperature of water returning to cylinder

RU Residential units

TACOTHERM FRESH PETA2 X

PRIMARY FLOW RATE: 5970 L/H, RESIDUAL HEAD: 100 MBAR
SVGW NR. 1808-6782

Tcyl °C	DHW °C	Flow rate l/min	P kW	Trtn °C	Standard (35 kW)* RU	Comfort (46 kW)* RU
45	40	91**	190	17	51	27
50	40	115**	240	15	88	46
	45	88	214	19	67	35
55	40	135**	283	14	129	68
	45	109**	266	16	111	59
	50	85**	237	21	85	45
60	40	153**	322	13	174	92
	45	126**	310	15	159	84
	50	104**	291	18	137	72
	55	83**	260	22	106	56
65	40	160**	333	13	188	99
	45	160**	388	15	268	142
	50	120**	338	16	195	103
	55	100**	318	19	169	89
	60	81**	283	24	129	68
70	40	160**	333	12	188	99
	45	160**	390	14	272	144
	50	134**	379	15	254	134
	55	115**	364	17	231	122
	60	97**	339	20	196	104
	65	79	306	25	154	82
75	40	160**	333	12	188	99
	45	160**	389	13	270	143
	50	148**	417	14	318	168
	55	128**	406	16	298	158
	60	111**	390	18	272	144
	65	95**	367	22	236	125
80	40	160**	334	11	189	100
	45	160**	390	12	272	144
	50	160**	445	14	369	195
	55	140**	439	15	358	189
	60	123**	427	17	336	177
	65	107**	411	19	307	162

* Calculated in accordance with 4708/Redan; differs from the CH standard

** Max. flow 160 l/min, continuous flow 80 l/min

Tcyl Temperature arriFlow rating at the centralised heat interface unit

DHW DHW temperature (going to draw-off point)

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RU Residential units