




# Water Cooled Unit

## Part Load Data

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CWP 90 EcoULTRA R32



Cooling Capacity  
4.1kW – 10kW



Heating Capacity  
3.7kW – 9kW

# CWP 90 Performance Data

## Cooling Capacity (kW)

- TC = Total Capacity (kW).
- SC = Sensible Capacity (kW).
- PI = Power Input (kW)
- HR = Heat Rejection (kW)
- FL = Water Flow (l/s)
- E.A.T. = Entering Air Temperature .
- = Nominal Capacity (kW)

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Max. & Nominal Capacity (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	9.0	5.7	2.3	0.5	11.3	8.8	5.7	2.3	0.5	11.1	8.4	5.7	2.5	0.5	10.8	8.0	5.6	2.7	0.5	10.4	7.6	5.4	3.0	0.5	9.9	7.1	5.3	3.3	0.5	9.5
	15	9.2	5.0	2.3	0.6	11.6	9.1	5.1	2.4	0.5	11.4	8.8	5.1	2.5	0.5	11.1	8.4	5.0	2.8	0.5	10.8	7.9	4.9	3.0	0.5	10.3	7.5	4.8	3.3	0.5	9.9
	16	9.5	4.3	2.3	0.6	11.9	9.4	4.4	2.4	0.6	11.8	9.1	4.4	2.5	0.5	11.5	8.7	4.3	2.8	0.5	11.1	8.3	4.2	3.0	0.5	10.7	7.9	4.1	3.3	0.5	10.2
	17	9.8	3.5	2.3	0.6	12.2	9.7	3.6	2.4	0.6	12.1	9.5	3.6	2.6	0.6	11.9	9.1	3.5	2.8	0.5	11.5	8.7	3.4	3.1	0.5	11.0	8.2	3.3	3.3	0.5	10.6
23	15	9.2	6.2	2.3	0.6	11.5	9.0	6.3	2.4	0.5	11.4	8.7	6.3	2.5	0.5	11.1	8.3	6.2	2.8	0.5	10.7	7.9	6.1	3.0	0.5	10.3	7.4	5.9	3.3	0.5	9.8
	16	9.4	5.6	2.3	0.6	11.8	9.3	5.7	2.4	0.6	11.7	9.0	5.7	2.5	0.5	11.4	8.6	5.6	2.8	0.5	11.0	8.2	5.5	3.0	0.5	10.6	7.8	5.4	3.3	0.5	10.1
	17	9.7	4.9	2.3	0.6	12.1	9.6	5.0	2.4	0.6	12.0	9.4	5.1	2.6	0.6	11.8	9.0	5.0	2.8	0.5	11.4	8.6	4.9	3.1	0.5	10.9	8.1	4.8	3.3	0.5	10.5
	18	10.0	4.2	2.3	0.6	12.4	10.0	4.3	2.4	0.6	12.4	9.7	4.4	2.6	0.6	12.1	9.4	4.3	2.8	0.6	11.8	8.9	4.2	3.1	0.5	11.3	8.4	4.1	3.4	0.5	10.8
27	18	10.0	6.6	2.3	0.6	12.4	9.9	6.8	2.4	0.6	12.3	9.7	6.9	2.6	0.6	12.1	9.3	6.9	2.8	0.6	11.7	8.9	6.8	3.1	0.5	11.3	8.4	6.6	3.4	0.5	10.8
	19	10.3	6.1	2.3	0.6	12.7	10.3	6.3	2.4	0.6	12.6	10.0	6.4	2.6	0.6	12.4	9.7	6.3	2.8	0.6	12.0	9.2	6.2	3.1	0.6	11.6	8.7	6.0	3.4	0.5	11.0
	20	10.6	5.5	2.3	0.6	13.0	10.6	5.7	2.4	0.6	13.0	10.4	5.8	2.6	0.6	12.8	10.0	5.7	2.8	0.6	12.4	9.5	5.6	3.1	0.6	11.9	8.9	5.4	3.4	0.5	11.3
	22	11.4	4.1	2.3	0.7	13.7	11.3	4.2	2.4	0.7	13.7	11.1	4.3	2.6	0.6	13.5	10.6	4.2	2.9	0.6	13.0	10.1	4.1	3.2	0.6	12.4	9.4	3.9	3.5	0.6	11.8
31	21	11.1	7.2	2.3	0.6	13.5	11.1	7.5	2.4	0.6	13.5	10.8	7.6	2.6	0.6	13.2	10.4	7.6	2.9	0.6	12.8	9.9	7.4	3.2	0.6	12.3	9.2	7.2	3.5	0.6	11.6
	22	11.4	6.7	2.3	0.7	13.8	11.4	7.0	2.4	0.7	13.8	11.1	7.1	2.6	0.6	13.5	10.7	7.0	2.9	0.6	13.1	10.1	6.8	3.2	0.6	12.5	9.4	6.6	3.5	0.6	11.8
	23	11.8	6.2	2.2	0.7	14.1	11.7	6.4	2.4	0.7	14.1	11.5	6.4	2.6	0.7	13.8	11.0	6.4	2.9	0.6	13.4	10.3	6.2	3.2	0.6	12.7	9.6	5.9	3.5	0.6	12.0
	25	12.5	4.8	2.2	0.7	14.9	12.5	5.0	2.4	0.7	14.9	12.1	5.0	2.6	0.7	14.5	11.6	4.9	2.9	0.7	13.9	10.8	4.7	3.3	0.6	13.2	9.9	4.5	3.6	0.6	12.3

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Nominal less 10% (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	8.0	5.2	1.9	0.5	9.9	7.8	5.2	2.0	0.5	9.7	7.5	5.3	2.1	0.5	9.5	7.2	5.2	2.3	0.4	9.2	6.8	5.1	2.5	0.4	8.8	6.5	4.9	2.7	0.4	8.4
	15	8.2	4.7	1.9	0.5	10.2	8.0	4.7	2.0	0.5	10.0	7.8	4.7	2.1	0.5	9.8	7.5	4.7	2.3	0.5	9.5	7.2	4.6	2.5	0.4	9.1	6.8	4.4	2.7	0.4	8.7
	16	8.5	4.1	1.9	0.5	10.5	8.3	4.1	2.0	0.5	10.3	8.1	4.1	2.1	0.5	10.1	7.8	4.0	2.3	0.5	9.8	7.5	4.0	2.5	0.5	9.4	7.1	3.8	2.7	0.4	9.0
	17	8.8	3.4	1.9	0.5	10.8	8.6	3.4	2.0	0.5	10.6	8.5	3.4	2.1	0.5	10.4	8.2	3.3	2.3	0.5	10.1	7.8	3.2	2.5	0.5	9.7	7.4	3.1	2.8	0.4	9.3
23	15	8.2	5.7	1.9	0.5	10.2	8.0	5.7	2.0	0.5	9.9	7.8	5.8	2.1	0.5	9.7	7.5	5.7	2.3	0.5	9.4	7.1	5.6	2.5	0.4	9.1	6.7	5.5	2.7	0.4	8.7
	16	8.4	5.2	1.9	0.5	10.4	8.2	5.2	2.0	0.5	10.2	8.0	5.3	2.1	0.5	10.0	7.8	5.2	2.3	0.5	9.7	7.4	5.1	2.5	0.4	9.3	7.0	5.0	2.7	0.4	8.9
	17	8.8	4.6	1.9	0.5	10.7	8.5	4.7	2.0	0.5	10.5	8.4	4.7	2.1	0.5	10.3	8.1	4.7	2.3	0.5	10.0	7.7	4.6	2.5	0.5	9.6	7.3	4.4	2.8	0.4	9.2
	18	9.1	4.0	1.9	0.5	11.0	8.9	4.0	2.0	0.5	10.8	8.7	4.1	2.1	0.5	10.7	8.4	4.0	2.3	0.5	10.4	8.0	3.9	2.5	0.5	10.0	7.6	3.8	2.8	0.5	9.5
27	18	9.0	6.2	1.9	0.5	11.0	8.8	6.2	2.0	0.5	10.8	8.7	6.3	2.1	0.5	10.6	8.4	6.3	2.3	0.5	10.3	8.0	6.2	2.5	0.5	9.9	7.5	6.1	2.8	0.5	9.5
	19	9.3	5.7	1.9	0.5	11.3	9.1	5.8	2.0	0.5	11.1	9.0	5.9	2.1	0.5	10.9	8.6	5.9	2.3	0.5	10.6	8.2	5.7	2.6	0.5	10.2	7.8	5.6	2.8	0.5	9.7
	20	9.6	5.2	1.9	0.6	11.6	9.4	5.3	2.0	0.5	11.4	9.3	5.3	2.1	0.5	11.2	8.9	5.3	2.3	0.5	10.9	8.5	5.2	2.6	0.5	10.4	8.0	5.0	2.8	0.5	9.9
	22	10.3	4.0	1.9	0.6	12.3	10.1	4.0	2.0	0.6	12.0	9.9	4.0	2.1	0.6	11.8	9.5	4.0	2.4	0.5	11.5	9.0	3.8	2.6	0.5	10.9	8.4	3.7	2.9	0.5	10.3
31	21	10.1	6.8	1.9	0.6	12.0	9.9	6.9	2.0	0.6	11.8	9.7	7.0	2.1	0.6	11.6	9.3	7.0	2.4	0.5	11.3	8.8	6.8	2.6	0.5	10.8	8.2	6.6	2.9	0.5	10.2
	22	10.4	6.3	1.9	0.6	12.3	10.1	6.4	2.0	0.6	12.1	9.9	6.5	2.2	0.6	11.9	9.6	6.5	2.4	0.5	11.5	9.0	6.3	2.6	0.5	11.0	8.4	6.1	2.9	0.5	10.4
	23	10.7	5.8	1.9	0.6	12.6	10.4	5.9	2.0	0.6	12.4	10.2	6.0	2.2	0.6	12.2	9.8	5.9	2.4	0.6	11.8	9.2	5.7	2.6	0.5	11.2	8.6	5.5	2.9	0.5	10.5
	25	11.3	4.6	1.9	0.6	13.3	11.1	4.7	2.0	0.6	13.0	10.8	4.7	2.2	0.6	12.8	10.3	4.6	2.4	0.6	12.3	9.7	4.4	2.7	0.6	11.6	8.9	4.1	3.0	0.5	10.8

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Nominal less 20% (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	7.1	4.7	1.6	0.4	8.8	6.9	4.7	1.7	0.4	8.6	6.7	4.7	1.8	0.4	8.4	6.5	4.7	2.0	0.4	8.2	6.2	4.6	2.1	0.4	7.9	5.9	4.5	2.3	0.4	7.5
	15	7.4	4.2	1.6	0.4	9.0	7.2	4.2	1.7	0.4	8.8	7.0	4.2	1.8	0.4	8.7	6.8	4.2	2.0	0.4	8.4	6.5	4.1	2.2	0.4	8.1	6.1	4.0	2.4	0.4	7.8
	16	7.6	3.7	1.6	0.4	9.3	7.5	3.7	1.7	0.4	9.1	7.3	3.7	1.8	0.4	8.9	7.0	3.7	2.0	0.4	8.7	6.7	3.6	2.2	0.4	8.4	6.4	3.5	2.4	0.4	8.0
	17	7.9	3.0	1.6	0.5	9.6	7.7	3.0	1.7	0.4	9.4	7.6	3.0	1.8	0.4	9.2	7.3	3.0	2.0	0.4	9.0	7.0	2.9	2.2	0.4	8.7	6.6	2.8	2.4	0.4	8.3
23	15	7.3	5.1	1.6	0.4	9.0	7.1	5.1	1.7	0.4	8.8	7.0	5.2	1.8	0.4	8.6	6.7	5.2	2.0	0.4	8.4	6.4	5.1	2.1	0.4	8.1	6.1	5.0	2.3	0.4	7.7
	16	7.6	4.7	1.6	0.4	9.2	7.4	4.7	1.7	0.4	9.0	7.2	4.7	1.8	0.4	8.8	7.0	4.7	2.0	0.4	8.6	6.7	4.6	2.2	0.4	8.3	6.3	4.5	2.4	0.4	8.0
	17	7.9	4.2	1.6	0.5	9.5	7.7	4.2	1.7	0.4	9.3	7.5	4.2	1.8	0.4	9.1	7.2	4.2	2.0	0.4	8.9	6.9	4.1	2.2	0.4	8.6	6.6	4.0	2.4	0.4	8.2
	18	8.2	3.6	1.6	0.5	9.8	8.0	3.6	1.7	0.5	9.6	7.8	3.7	1.8	0.5	9.4	7.5	3.6	2.0	0.4	9.2	7.2	3.6	2.2	0.4	8.9	6.8	3.4	2.4	0.4	8.4
27	18	8.1	5.6	1.6	0.5	9.8	7.9	5.6	1.7	0.5	9.6	7.7	5.7	1.8	0.4	9.4	7.5	5.7	2.0	0.4	9.2	7.2	5.6	2.2	0.4	8.8	6.8	5.5	2.4	0.4	8.4
	19	8.4	5.2	1.6	0.5	10.0	8.2	5.2	1.7	0.5	9.8	8.0	5.3	1.8	0.5	9.7	7.7	5.3	2.0	0.4	9.4	7.4	5.2	2.2	0.4	9.0	7.0	5.0	2.4	0.4	8.6
	20	8.6	4.7	1.6	0.5	10.3	8.5	4.7	1.7	0.5	10.1	8.3	4.8	1.8	0.5	9.9	8.0	4.8	2.0	0.5	9.7	7.6	4.7	2.2	0.4	9.3	7.1	4.5	2.5	0.4	8.8
	22	9.2	3.6	1.6	0.5	10.9	9.0	3.6	1.7	0.5	10.7	8.8	3.6	1.8	0.5	10.5	8.5	3.6	2.0	0.5	10.2	8.0	3.5	2.3	0.5	9.7	7.5	3.3	2.5	0.4	9.1
31	21	9.0	6.1	1.6	0.5	10.7	8.8	6.2	1.7	0.5	10.5	8.6	6.3	1.8	0.5	10.3	8.3	6.3	2.0	0.5	10.0	7.9	6.1	2.2	0.5	9.6	7.4	5.9	2.5	0.4	9.0
	22	9.3	5.7	1.6	0.5	10.9	9.1	5.8	1.7	0.5	10.7	8.9	5.8	1.9	0.5	10.5	8.6	5.8	2.0	0.5	10.2	8.1	5.7	2.3	0.5	9.7	7.5	5.4	2.5	0.4	9.2
	23	9.5	5.2	1.6	0.5	11.2	9.3	5.3	1.7	0.5	11.0	9.1	5.3	1.9	0.5	10.8	8.8	5.3	2.1	0.5	10.4	8.3	5.2	2.3	0.5	9.9	7.6	4.9	2.5	0.4	9.3
	25	10.0	4.1	1.6	0.6	11.7	9.9	4.2	1.7	0.5	11.5	9.7	4.2	1.9	0.5	11.3	9.2	4.1	2.1	0.5	10.9	8.6	4.0	2.3	0.5	10.3	7.9	3.7	2.6	0.5	9.6

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Nominal less 30% (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	6.2	4.4	1.3	0.4	7.6	6.1	4.4	1.4	0.4	7.4	5.9	4.4	1.5	0.3	7.3	5.8	4.4	1.6	0.3	7.1	5.5	4.4	1.7	0.3	6.9	5.2	4.3	1.9	0.3	6.6
	15	6.5	4.0	1.3	0.4	7.8	6.3	4.0	1.4	0.4	7.6	6.2	4.0	1.5	0.4	7.5	6.0	4.0	1.6	0.3	7.3	5.8	3.9	1.8	0.3	7.1	5.5	3.8	1.9	0.3	6.8
	16	6.7	3.5	1.3	0.4	8.0	6.6	3.5	1.4	0.4	7.9	6.4	3.5	1.5	0.4	7.7	6.2	3.5	1.6	0.4	7.6	6.0	3.5	1.8	0.3	7.3	5.7	3.3	1.9	0.3	7.0
	17	7.0	3.0	1.3	0.4	8.3	6.8	3.0	1.4	0.4	8.1	6.7	3.0	1.5	0.4	8.0	6.5	3.0	1.6	0.4	7.8	6.2	2.9	1.8	0.4	7.5	5.9	2.8	2.0	0.3	7.2
23	15	6.4	4.8	1.3	0.4	7.8	6.3	4.8	1.4	0.4	7.6	6.1	4.8	1.5	0.4	7.5	6.0	4.9	1.6	0.3	7.3	5.7	4.8	1.8	0.3	7.1	5.4	4.7	1.9	0.3	6.8
	16	6.6	4.4	1.3	0.4	8.0	6.5	4.4	1.4	0.4	7.8	6.3	4.4	1.5	0.4	7.7	6.2	4.5	1.6	0.4	7.5	5.9	4.4	1.8	0.3	7.2	5.6	4.3	1.9	0.3	6.9
	17	6.9	4.0	1.3	0.4	8.2	6.7	4.0	1.4	0.4	8.1	6.6	4.0	1.5	0.4	7.9	6.4	4.0	1.6	0.4	7.7	6.1	4.0	1.8	0.4	7.5	5.8	3.8	2.0	0.3	7.1
	18	7.2	3.5	1.3	0.4	8.5	7.0	3.5	1.4	0.4	8.3	6.8	3.5	1.5	0.4	8.2	6.7	3.5	1.6	0.4	8.0	6.4	3.4	1.8	0.4	7.7	6.0	3.3	2.0	0.3	7.3
27	18	7.1	5.2	1.3	0.4	8.4	7.0	5.3	1.4	0.4	8.3	6.8	5.3	1.5	0.4	8.1	6.6	5.3	1.6	0.4	8.0	6.3	5.3	1.8	0.4	7.7	6.0	5.1	2.0	0.3	7.3
	19	7.4	4.9	1.3	0.4	8.7	7.2	4.9	1.4	0.4	8.5	7.0	5.0	1.5	0.4	8.4	6.8	5.0	1.6	0.4	8.2	6.5	4.9	1.8	0.4	7.9	6.1	4.7	2.0	0.4	7.4
	20	7.6	4.5	1.3	0.4	8.9	7.4	4.5	1.4	0.4	8.8	7.3	4.6	1.5	0.4	8.6	7.1	4.5	1.6	0.4	8.4	6.7	4.4	1.8	0.4	8.0	6.3	4.2	2.0	0.4	7.6
	22	8.1	3.5	1.3	0.4	9.4	7.9	3.5	1.4	0.4	9.3	7.8	3.5	1.5	0.4	9.1	7.5	3.5	1.7	0.4	8.8	7.1	3.4	1.8	0.4	8.4	6.5	3.2	2.1	0.4	7.9
31	21	7.9	5.7	1.3	0.4	9.2	7.8	5.8	1.4	0.4	9.1	7.6	5.9	1.5	0.4	8.9	7.3	5.9	1.7	0.4	8.7	7.0	5.7	1.8	0.4	8.3	6.5	5.5	2.0	0.4	7.8
	22	8.1	5.4	1.3	0.5	9.5	8.0	5.4	1.4	0.4	9.3	7.8	5.5	1.5	0.4	9.1	7.5	5.5	1.7	0.4	8.9	7.1	5.3	1.9	0.4	8.4	6.6	5.1	2.1	0.4	7.9
	23	8.3	5.0	1.3	0.5	9.7	8.2	5.0	1.4	0.5	9.5	8.0	5.1	1.5	0.4	9.4	7.7	5.0	1.7	0.4	9.0	7.2	4.9	1.9	0.4	8.6	6.7	4.6	2.1	0.4	8.0
	25	8.8	4.0	1.3	0.5	10.1	8.7	4.1	1.4	0.5	10.0	8.5	4.1	1.5	0.5	9.8	8.1	4.0	1.7	0.5	9.4	7.6	3.8	1.9	0.4	8.9	6.9	3.6	2.1	0.4	8.2

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Nominal less 40% (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	5.3	3.9	1.1	0.3	6.3	5.2	4.0	1.1	0.3	6.2	5.0	4.0	1.2	0.3	6.0	4.9	4.0	1.3	0.3	5.9	4.8	4.0	1.4	0.3	5.8	4.5	3.9	1.5	0.3	5.5
	15	5.5	3.6	1.0	0.3	6.5	5.4	3.6	1.1	0.3	6.4	5.2	3.6	1.2	0.3	6.2	5.1	3.7	1.3	0.3	6.1	4.9	3.6	1.4	0.3	5.9	4.7	3.5	1.5	0.3	5.7
	16	5.7	3.2	1.0	0.3	6.7	5.6	3.2	1.1	0.3	6.6	5.4	3.3	1.2	0.3	6.4	5.3	3.3	1.3	0.3	6.3	5.1	3.2	1.4	0.3	6.1	4.9	3.1	1.5	0.3	5.9
	17	5.9	2.8	1.0	0.3	6.9	5.8	2.8	1.1	0.3	6.8	5.7	2.8	1.2	0.3	6.7	5.5	2.8	1.3	0.3	6.5	5.3	2.7	1.4	0.3	6.3	5.0	2.6	1.6	0.3	6.0
23	15	5.4	4.3	1.1	0.3	6.4	5.3	4.3	1.1	0.3	6.3	5.2	4.3	1.2	0.3	6.2	5.1	4.4	1.3	0.3	6.1	4.9	4.3	1.4	0.3	5.9	4.7	4.2	1.5	0.3	5.7
	16	5.6	4.0	1.0	0.3	6.6	5.5	4.0	1.1	0.3	6.5	5.4	4.0	1.2	0.3	6.4	5.3	4.1	1.3	0.3	6.3	5.1	4.0	1.4	0.3	6.1	4.8	3.9	1.5	0.3	5.8
	17	5.8	3.6	1.0	0.3	6.8	5.7	3.7	1.1	0.3	6.7	5.6	3.7	1.2	0.3	6.6	5.5	3.7	1.3	0.3	6.5	5.3	3.6	1.4	0.3	6.3	5.0	3.5	1.5	0.3	6.0
	18	6.1	3.3	1.0	0.3	7.1	5.9	3.3	1.1	0.3	6.9	5.8	3.3	1.2	0.3	6.8	5.7	3.3	1.3	0.3	6.7	5.5	3.2	1.4	0.3	6.5	5.1	3.1	1.6	0.3	6.1
27	18	6.0	4.7	1.0	0.3	7.0	5.9	4.8	1.1	0.3	6.9	5.8	4.8	1.2	0.3	6.8	5.7	4.8	1.3	0.3	6.7	5.4	4.8	1.4	0.3	6.4	5.1	4.6	1.6	0.3	6.1
	19	6.2	4.4	1.0	0.3	7.2	6.1	4.5	1.1	0.3	7.1	6.0	4.5	1.2	0.3	7.0	5.8	4.5	1.3	0.3	6.8	5.6	4.4	1.4	0.3	6.6	5.2	4.3	1.6	0.3	6.2
	20	6.4	4.1	1.0	0.4	7.4	6.3	4.1	1.1	0.3	7.3	6.2	4.2	1.2	0.3	7.2	6.0	4.2	1.3	0.3	7.0	5.7	4.1	1.4	0.3	6.7	5.4	3.9	1.6	0.3	6.4
	22	6.9	3.3	1.0	0.4	7.9	6.7	3.3	1.1	0.4	7.7	6.6	3.3	1.2	0.4	7.6	6.4	3.3	1.3	0.4	7.4	6.0	3.2	1.5	0.3	7.0	5.6	3.0	1.6	0.3	6.6
31	21	6.7	5.2	1.0	0.4	7.7	6.6	5.2	1.1	0.4	7.6	6.5	5.3	1.2	0.4	7.5	6.3	5.3	1.3	0.3	7.3	5.9	5.2	1.4	0.3	6.9	5.5	4.9	1.6	0.3	6.5
	22	6.9	4.9	1.0	0.4	7.9	6.8	4.9	1.1	0.4	7.8	6.7	5.0	1.2	0.4	7.7	6.4	5.0	1.3	0.4	7.4	6.1	4.8	1.5	0.3	7.1	5.6	4.6	1.6	0.3	6.6
	23	7.1	4.5	1.0	0.4	8.1	7.0	4.6	1.1	0.4	8.0	6.8	4.7	1.2	0.4	7.8	6.6	4.6	1.3	0.4	7.6	6.2	4.4	1.5	0.3	7.2	5.7	4.2	1.6	0.3	6.7
	25	7.5	3.8	1.0	0.4	8.5	7.4	3.8	1.1	0.4	8.4	7.2	3.8	1.2	0.4	8.2	6.9	3.7	1.3	0.4	7.9	6.4	3.6	1.5	0.4	7.4	5.9	3.3	1.7	0.3	6.9

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Nominal less 50% (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	4.4	3.5	0.8	0.2	5.1	4.3	3.5	0.8	0.2	5.0	4.2	3.5	0.9	0.2	4.9	4.2	3.6	1.0	0.2	4.9	4.0	3.5	1.0	0.2	4.7	3.8	3.5	1.1	0.2	4.5
	15	4.6	3.2	0.8	0.3	5.3	4.5	3.2	0.8	0.2	5.2	4.4	3.2	0.9	0.2	5.1	4.3	3.3	1.0	0.2	5.0	4.2	3.2	1.1	0.2	4.9	4.0	3.1	1.2	0.2	4.7
	16	4.7	2.9	0.8	0.3	5.4	4.6	2.9	0.8	0.3	5.3	4.5	2.9	0.9	0.3	5.2	4.5	2.9	1.0	0.2	5.2	4.3	2.9	1.1	0.2	5.0	4.1	2.8	1.2	0.2	4.8
	17	4.9	2.6	0.8	0.3	5.6	4.8	2.6	0.8	0.3	5.5	4.7	2.6	0.9	0.3	5.4	4.7	2.6	1.0	0.3	5.4	4.5	2.5	1.1	0.2	5.2	4.2	2.4	1.2	0.2	4.9
23	15	4.5	3.8	0.8	0.2	5.2	4.4	3.8	0.8	0.2	5.1	4.3	3.8	0.9	0.2	5.0	4.3	3.9	1.0	0.2	5.0	4.2	3.9	1.0	0.2	4.9	4.0	3.8	1.2	0.2	4.7
	16	4.7	3.5	0.8	0.3	5.4	4.6	3.5	0.8	0.3	5.3	4.5	3.6	0.9	0.2	5.2	4.4	3.6	1.0	0.2	5.1	4.3	3.6	1.1	0.2	5.0	4.1	3.5	1.2	0.2	4.8
	17	4.9	3.3	0.8	0.3	5.6	4.8	3.3	0.8	0.3	5.5	4.7	3.3	0.9	0.3	5.4	4.6	3.3	1.0	0.3	5.3	4.4	3.3	1.1	0.2	5.1	4.2	3.1	1.2	0.2	4.9
	18	5.1	2.9	0.8	0.3	5.8	5.0	3.0	0.8	0.3	5.7	4.9	3.0	0.9	0.3	5.6	4.8	3.0	1.0	0.3	5.5	4.6	2.9	1.1	0.3	5.3	4.3	2.8	1.2	0.2	5.0
27	18	5.0	4.1	0.8	0.3	5.7	4.9	4.2	0.8	0.3	5.6	4.8	4.2	0.9	0.3	5.5	4.8	4.3	1.0	0.3	5.5	4.6	4.2	1.1	0.3	5.3	4.3	4.1	1.2	0.2	5.0
	19	5.2	3.9	0.8	0.3	5.9	5.1	4.0	0.8	0.3	5.8	5.0	4.0	0.9	0.3	5.7	4.9	4.0	1.0	0.3	5.6	4.7	3.9	1.1	0.3	5.4	4.4	3.8	1.2	0.2	5.1
	20	5.4	3.7	0.8	0.3	6.1	5.3	3.7	0.8	0.3	6.0	5.2	3.7	0.9	0.3	5.9	5.1	3.7	1.0	0.3	5.8	4.8	3.6	1.1	0.3	5.5	4.5	3.5	1.2	0.2	5.2
	22	5.7	3.0	0.8	0.3	6.4	5.6	3.0	0.8	0.3	6.3	5.5	3.0	0.9	0.3	6.2	5.4	3.0	1.0	0.3	6.1	5.1	2.9	1.1	0.3	5.8	4.7	2.7	1.2	0.3	5.4
31	21	5.6	4.6	0.8	0.3	6.3	5.5	4.6	0.8	0.3	6.2	5.4	4.7	0.9	0.3	6.1	5.3	4.7	1.0	0.3	6.0	5.0	4.6	1.1	0.3	5.7	4.6	4.3	1.2	0.3	5.3
	22	5.8	4.3	0.8	0.3	6.5	5.7	4.4	0.8	0.3	6.4	5.6	4.4	0.9	0.3	6.3	5.4	4.4	1.0	0.3	6.1	5.1	4.3	1.1	0.3	5.8	4.7	4.0	1.2	0.3	5.4
	23	5.9	4.1	0.8	0.3	6.6	5.8	4.1	0.8	0.3	6.5	5.7	4.2	0.9	0.3	6.4	5.5	4.1	1.0	0.3	6.2	5.2	4.0	1.1	0.3	5.9	4.8	3.7	1.3	0.3	5.5
	25	6.3	3.4	0.8	0.3	7.0	6.2	3.5	0.8	0.3	6.9	6.1	3.5	0.9	0.3	6.8	5.8	3.4	1.0	0.3	6.5	5.4	3.2	1.1	0.3	6.1	4.9	3.0	1.3	0.3	5.6

# CWP 90 Performance Data

## Cooling Capacity (kW)

TC = Total Capacity (kW).  
 SC = Sensible Capacity (kW).  
 PI = Power Input (kW)  
 HR = Heat Rejection (kW)  
 FL = Water Flow (l/s)  
 E.A.T. = Entering Air Temperature .

Nominal Air Flow: **375 l/s**

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

### Minimum Capacity (375 l/s)

Coil E.A.T.

Leaving water temperature (L.W.T.) °C

D.B. °C	W.B. °C	25					30					35					40					45					50				
		TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR	TC	SC	PI	FL	HR
21	14	3.6	3.0	0.6	0.2	4.0	3.5	3.0	0.6	0.2	4.0	3.4	3.1	0.6	0.2	3.9	3.4	3.1	0.7	0.2	3.9	3.3	3.1	0.7	0.2	3.8	3.2	3.0	0.8	0.2	3.6
	15	3.7	2.8	0.6	0.2	4.2	3.6	2.8	0.6	0.2	4.1	3.6	2.8	0.6	0.2	4.0	3.6	2.9	0.7	0.2	4.0	3.4	2.9	0.7	0.2	3.9	3.3	2.8	0.8	0.2	3.7
	16	3.9	2.6	0.6	0.2	4.3	3.8	2.6	0.6	0.2	4.3	3.7	2.6	0.6	0.2	4.2	3.7	2.6	0.7	0.2	4.2	3.6	2.6	0.7	0.2	4.0	3.4	2.5	0.8	0.2	3.8
	17	4.0	2.3	0.6	0.2	4.5	4.0	2.3	0.6	0.2	4.4	3.9	2.3	0.6	0.2	4.3	3.8	2.3	0.7	0.2	4.3	3.7	2.3	0.7	0.2	4.2	3.5	2.2	0.8	0.2	3.9
23	15	3.7	3.3	0.6	0.2	4.2	3.6	3.3	0.6	0.2	4.1	3.6	3.3	0.6	0.2	4.0	3.5	3.4	0.7	0.2	4.0	3.4	3.3	0.7	0.2	3.9	3.3	3.1	0.8	0.2	3.7
	16	3.8	3.1	0.6	0.2	4.3	3.8	3.1	0.6	0.2	4.2	3.7	3.1	0.6	0.2	4.1	3.7	3.2	0.7	0.2	4.1	3.5	3.1	0.7	0.2	4.0	3.4	3.0	0.8	0.2	3.8
	17	4.0	2.9	0.6	0.2	4.4	3.9	2.9	0.6	0.2	4.4	3.8	2.9	0.6	0.2	4.3	3.8	2.9	0.7	0.2	4.3	3.7	2.9	0.7	0.2	4.1	3.5	2.8	0.8	0.2	3.9
	18	4.1	2.7	0.6	0.2	4.6	4.1	2.7	0.6	0.2	4.5	4.0	2.7	0.6	0.2	4.5	3.9	2.7	0.7	0.2	4.4	3.8	2.6	0.8	0.2	4.2	3.6	2.5	0.8	0.2	4.0
27	18	4.1	3.6	0.6	0.2	4.6	4.0	3.7	0.6	0.2	4.5	4.0	3.7	0.6	0.2	4.4	3.9	3.7	0.7	0.2	4.4	3.8	3.6	0.8	0.2	4.2	3.5	3.4	0.8	0.2	4.0
	19	4.3	3.5	0.6	0.2	4.7	4.2	3.5	0.6	0.2	4.6	4.1	3.5	0.6	0.2	4.6	4.0	3.5	0.7	0.2	4.5	3.9	3.5	0.8	0.2	4.3	3.6	3.3	0.8	0.2	4.1
	20	4.4	3.3	0.6	0.2	4.9	4.3	3.3	0.6	0.2	4.8	4.3	3.3	0.6	0.2	4.7	4.2	3.3	0.7	0.2	4.6	4.0	3.2	0.8	0.2	4.4	3.7	3.0	0.8	0.2	4.2
	22	4.7	2.8	0.6	0.2	5.2	4.6	2.8	0.6	0.2	5.1	4.6	2.8	0.6	0.2	5.0	4.4	2.7	0.7	0.2	4.9	4.2	2.6	0.8	0.2	4.6	3.8	2.4	0.9	0.2	4.3
31	21	4.6	4.0	0.6	0.2	5.1	4.5	4.1	0.6	0.2	5.0	4.5	4.1	0.6	0.2	4.9	4.3	4.1	0.7	0.2	4.8	4.1	3.9	0.8	0.2	4.6	3.8	3.6	0.9	0.2	4.3
	22	4.7	3.8	0.6	0.2	5.2	4.7	3.9	0.6	0.2	5.1	4.6	3.9	0.6	0.2	5.0	4.4	3.9	0.7	0.2	4.9	4.2	3.8	0.8	0.2	4.7	3.9	3.5	0.9	0.2	4.3
	23	4.9	3.6	0.6	0.3	5.3	4.8	3.7	0.6	0.3	5.2	4.7	3.7	0.6	0.2	5.2	4.6	3.7	0.7	0.2	5.0	4.3	3.5	0.8	0.2	4.7	3.9	3.3	0.9	0.2	4.4
	25	5.1	3.1	0.6	0.3	5.6	5.1	3.2	0.6	0.3	5.5	5.0	3.2	0.6	0.3	5.5	4.8	3.1	0.7	0.3	5.2	4.5	2.9	0.8	0.2	4.9	4.0	2.7	0.9	0.2	4.5



# CWP 90 Performance Data

## Heating Capacity (kW)

HC = Heating Capacity (kW).  
 PI = Power Input (kW)  
 AH = Absorbed Heat (kW)

**Note:** Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance in Technical Data.

**Size your unit based on 0.6 l/s nominal water flow.**

Nominal Air Flow: **375 l/s**  
 Nominal Water Flow: **0.6 l/s**

### Max. & Nominal Capacity (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	9.0	2.8	12.5	6.2	9.6	2.6	15.7	7.1	9.9	2.5	17.0	7.4	10.2	2.3	19.3	7.9	10.6	2.2	21.6	8.4
18	8.6	2.7	12.6	5.9	9.1	2.5	15.8	6.7	9.3	2.4	17.2	6.9	9.6	2.3	19.5	7.4	9.9	2.1	21.9	7.8
20	8.3	2.6	12.7	5.7	8.8	2.4	15.9	6.3	9.0	2.4	17.3	6.6	9.2	2.2	19.7	7.0	9.4	2.1	22.1	7.3
22	8.0	2.6	12.8	5.5	8.4	2.4	16.1	6.0	8.6	2.3	17.5	6.2	8.8	2.2	19.9	6.6	9.0	2.1	22.2	6.9
25	7.5	2.5	13.0	5.0	7.8	2.3	16.3	5.5	8.0	2.3	17.7	5.7	8.1	2.2	20.1	6.0	8.3	2.1	22.5	6.2

### Nominal less 10% (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	8.2	2.4	12.7	5.8	8.7	2.2	15.9	6.5	9.0	2.1	17.3	6.8	9.3	2.0	19.6	7.3	9.5	1.9	21.9	7.7
18	7.8	2.3	12.8	5.5	8.3	2.2	16.0	6.1	8.4	2.1	17.4	6.4	8.7	2.0	19.8	6.7	8.9	1.9	22.2	7.0
20	7.6	2.3	12.9	5.3	8.0	2.1	16.2	5.8	8.1	2.1	17.6	6.0	8.3	1.9	19.9	6.4	8.5	1.8	22.3	6.6
22	7.3	2.3	13.0	5.0	7.6	2.1	16.3	5.5	7.7	2.0	17.7	5.7	7.9	1.9	20.1	6.0	8.0	1.8	22.5	6.2
25	6.8	2.2	13.1	4.6	7.1	2.1	16.5	5.0	7.2	2.0	17.9	5.2	7.3	1.9	20.3	5.4	7.4	1.8	22.7	5.6

# CWP 90 Performance Data

## Heating Capacity (kW)

### Nominal less 20% (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	7.4	2.1	12.9	5.3	7.8	1.9	16.1	5.9	8.0	1.8	17.5	6.2	8.2	1.7	19.9	6.5	8.4	1.6	22.3	6.8
18	7.0	2.0	13.0	5.0	7.4	1.8	16.3	5.5	7.5	1.8	17.7	5.7	7.7	1.7	20.1	6.0	7.8	1.6	22.5	6.2
20	6.8	2.0	13.1	4.8	7.1	1.8	16.4	5.2	7.2	1.8	17.8	5.4	7.3	1.7	20.2	5.7	7.4	1.6	22.6	5.9
22	6.5	1.9	13.2	4.5	6.7	1.8	16.5	4.9	6.8	1.7	17.9	5.1	7.0	1.7	20.4	5.3	7.1	1.6	22.8	5.5
25	6.1	1.9	13.3	4.2	6.3	1.8	16.7	4.5	6.4	1.7	18.1	4.6	6.4	1.6	20.6	4.8	6.5	1.6	23.0	4.9

### Nominal less 30% (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	6.6	1.7	13.0	4.9	6.9	1.6	16.3	5.4	7.1	1.5	17.8	5.6	7.2	1.4	20.1	5.8	7.4	1.3	22.6	6.1
18	6.2	1.6	13.2	4.6	6.5	1.5	16.5	5.0	6.6	1.5	17.9	5.1	6.7	1.4	20.3	5.4	6.8	1.3	22.8	5.5
20	6.0	1.6	13.2	4.4	6.2	1.5	16.6	4.7	6.3	1.5	18.0	4.8	6.4	1.4	20.5	5.0	6.5	1.3	22.9	5.2
22	5.7	1.6	13.3	4.1	5.9	1.5	16.7	4.4	6.0	1.4	18.2	4.6	6.1	1.4	20.6	4.7	6.1	1.3	23.1	4.8
25	5.4	1.6	13.5	3.8	5.5	1.5	16.9	4.0	5.6	1.4	18.3	4.1	5.6	1.4	20.8	4.2	5.6	1.3	23.3	4.3

### Nominal less 40% (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	5.7	1.4	13.2	4.4	6.0	1.3	16.6	4.7	6.1	1.2	18.0	4.9	6.2	1.1	20.5	5.0	6.3	1.1	22.9	5.2
18	5.4	1.3	13.4	4.1	5.6	1.2	16.8	4.3	5.6	1.2	18.2	4.4	5.7	1.1	20.7	4.6	5.8	1.1	23.1	4.7
20	5.2	1.3	13.5	3.8	5.3	1.2	16.9	4.1	5.4	1.2	18.3	4.2	5.4	1.1	20.8	4.3	5.4	1.1	23.3	4.3
22	4.9	1.3	13.5	3.6	5.1	1.2	17.0	3.8	5.1	1.2	18.4	3.9	5.1	1.1	20.9	4.0	5.1	1.1	23.4	4.0
25	4.6	1.3	13.7	3.3	4.7	1.2	17.1	3.5	4.7	1.2	18.6	3.5	4.7	1.1	21.1	3.6	4.7	1.1	23.6	3.6

# CWP 90 Performance Data

## Heating Capacity (kW)

Nominal less 50% (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	4.9	1.0	13.4	3.9	5.0	0.9	16.8	4.2	5.1	0.9	18.3	4.2	5.1	0.8	20.8	4.3	5.2	0.8	23.2	4.4
18	4.6	0.9	13.5	3.6	4.7	0.9	17.0	3.8	4.7	0.9	18.4	3.9	4.7	0.8	20.9	3.9	4.8	0.8	23.4	4.0
20	4.4	0.9	13.6	3.4	4.4	0.9	17.1	3.6	4.5	0.9	18.5	3.6	4.5	0.8	21.0	3.7	4.5	0.8	23.5	3.7
22	4.1	0.9	13.7	3.2	4.2	0.9	17.2	3.3	4.2	0.9	18.6	3.4	4.2	0.8	21.1	3.4	4.3	0.8	23.6	3.5
25	3.8	0.9	13.8	2.9	3.9	0.9	17.3	3.0	3.9	0.9	18.8	3.0	3.9	0.8	21.3	3.0	3.9	0.8	23.8	3.1

Minimum Capacity (375 l/s)

Entering water temperature (E.W.T.) °C

Coil E.A.T. °C	15				18.5				20				22.5				25			
	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH	HC	PI	LWT	AH
15	4.1	0.8	13.7	3.3	4.2	0.7	17.1	3.4	4.2	0.7	18.6	3.5	4.2	0.7	21.1	3.5	4.2	0.7	23.6	3.6
18	3.8	0.8	13.8	3.0	3.9	0.7	17.2	3.1	3.9	0.7	18.7	3.2	3.9	0.7	21.2	3.2	3.9	0.7	23.7	3.2
20	3.6	0.8	13.9	2.8	3.7	0.7	17.3	2.9	3.7	0.7	18.8	2.9	3.7	0.7	21.3	3.0	3.7	0.7	23.8	3.0
22	3.4	0.8	13.9	2.7	3.5	0.7	17.4	2.7	3.5	0.7	18.9	2.7	3.5	0.7	21.4	2.8	3.5	0.7	23.9	2.8
25	3.2	0.8	14.0	2.4	3.2	0.7	17.5	2.4	3.2	0.7	19.0	2.5	3.2	0.7	21.5	2.5	3.2	0.7	24.0	2.5

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