# VT1 1012-1018

## Open cooling towers

## Engineering data

**REMARK**: Do not use for construction. Refer to factory certified dimensions & weights. This page includes data current at time of publication, which should be reconfirmed at the time of purchase. In the interest of product improvement, specifications, weights and dimensions are subject to change without notice.

### General notes

1. All connections 100 mm and smaller are MPT. Connections 150 mm and larger are bevelled-for-welding.
2. Fan kW is at 0 Pa ESP. kW's at other ESP's are available upon request. As a rule of thumb, one size larger motor can overcome ESP's up to 125 Pa.
3. The drawings show the standard “right hand” arrangement, which has the air inlet side on the right when facing the connection end. “Left hand” arrangement can be furnished by special order.
4. Water outlet, overflow and make-up are always located on the same end of the unit. For units with two water outlet connections an additional overflow connection will be installed on the other end of the unit.

VT0-1 cooling tower performance at standard conditions

**Last update:** 27/03/2024

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1. Drain ND 50; 2. Water Outlet; 3. Overflow ND50; 4. Make Up ND25; 5.Water Inlet; 6.Access Door.

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| Model | Weights (kg) | | | Dimensions (mm) | | | Air Flow ($m^3/s$) | Fan Motor (kW) | Fluid Inlet ND (mm) | Fluid Outlet ND (mm) | Make Up ND (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Oper. Weight (kg) | Ship. Weight(kg ) | Heaviest Section (kg) | L | W | H | | | | | |
| VT1 10 12-01L | 4788 | 2843 | 1828 | 3550 | 3000 | 4030 | 24.73 | (1x) 11.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-01M | 4808 | 2863 | 1848 | 3550 | 3000 | 4030 | 27.42 | (1x) 15.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-01N | 4847 | 2902 | 1887 | 3550 | 3000 | 4030 | 29.41 | (1x) 18.5 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-01O | 4869 | 2924 | 1909 | 3550 | 3000 | 4030 | 31.16 | (1x) 22.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-01P | 4905 | 2960 | 1945 | 3550 | 3000 | 4030 | 34.55 | (1x) 30.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-02L | 5078 | 3143 | 1828 | 3550 | 3000 | 4487 | 24.56 | (1x) 11.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-02M | 5098 | 3163 | 1848 | 3550 | 3000 | 4487 | 27.23 | (1x) 15.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-02N | 5137 | 3202 | 1887 | 3550 | 3000 | 4487 | 29.2 | (1x) 18.5 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-02O | 5159 | 3224 | 1909 | 3550 | 3000 | 4487 | 30.94 | (1x) 22.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-02P | 5195 | 3260 | 1945 | 3550 | 3000 | 4487 | 34.31 | (1x) 30.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03L | 5388 | 3443 | 1828 | 3550 | 3000 | 4944 | 24.41 | (1x) 11.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03M | 5408 | 3463 | 1848 | 3550 | 3000 | 4944 | 27.07 | (1x) 15.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03N | 5447 | 3502 | 1887 | 3550 | 3000 | 4944 | 29.02 | (1x) 18.5 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03O | 5469 | 3524 | 1909 | 3550 | 3000 | 4944 | 30.75 | (1x) 22.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03P | 5505 | 3560 | 1945 | 3550 | 3000 | 4944 | 34.1 | (1x) 30.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 12-03Q | 5535 | 3590 | 1970 | 3550 | 3000 | 4944 | 36.62 | (1x) 37.0 | (1x) 200 | (1x) 200 | (1x) 50 |
| VT1 10 18-01L | 7143 | 4198 | 2608 | 5388 | 3000 | 4030 | 41.13 | (2x) 11.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-01M | 7183 | 4238 | 2648 | 5388 | 3000 | 4030 | 45.61 | (2x) 15.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-01N | 7261 | 4316 | 2726 | 5388 | 3000 | 4030 | 48.91 | (2x) 18.5 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-01O | 7305 | 4360 | 2770 | 5388 | 3000 | 4030 | 51.82 | (2x) 22.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-02L | 7588 | 4648 | 2608 | 5388 | 3000 | 4487 | 40.83 | (2x) 11.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-02M | 7628 | 4688 | 2648 | 5388 | 3000 | 4487 | 45.27 | (2x) 15.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-02N | 7706 | 4766 | 2726 | 5388 | 3000 | 4487 | 48.55 | (2x) 18.5 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-02O | 7750 | 4810 | 2770 | 5388 | 3000 | 4487 | 51.44 | (2x) 22.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-03L | 8083 | 5128 | 2608 | 5388 | 3000 | 4944 | 40.42 | (2x) 11.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-03M | 8123 | 5168 | 2648 | 5388 | 3000 | 4944 | 44.82 | (2x) 15.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 18-03N | 8201 | 5246 | 2726 | 5388 | 3000 | 4944 | 48.06 | (2x) 18.5 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 | 8245 | 5290 | 2770 | 5388 | 3000 | 4944 | 50.92 | (2x) | (1x) | (1x) | (1x) 50 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 18-03O | | | | | | | | 22.0 | 250 | 250 | |
| VT1 10 18-03P | 8325 | 5370 | 2845 | 5388 | 3000 | 4944 | 54.93 | (2x) 30.0 | (1x) 250 | (1x) 250 | (1x) 50 |
| VT1 10 12-01L-2 | 9571 | 5666 | 3651 | 7226 | 3000 | 4030 | 49.45 | (2x) 11.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-01M-2 | 9611 | 5706 | 3691 | 7226 | 3000 | 4030 | 54.84 | (2x) 15.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-01N-2 | 9689 | 5784 | 3769 | 7226 | 3000 | 4030 | 58.81 | (2x) 18.5 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-01O-2 | 9733 | 5828 | 3813 | 7226 | 3000 | 4030 | 62.3 | (2x) 22.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-01P-2 | 9805 | 5900 | 3885 | 7226 | 3000 | 4030 | 69.09 | (2x) 30.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-02L-2 | 10151 | 6256 | 3651 | 7226 | 3000 | 4487 | 49.11 | (2x) 11.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-02M-2 | 10191 | 6296 | 3691 | 7226 | 3000 | 4487 | 54.46 | (2x) 15.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-02N-2 | 10269 | 6374 | 3769 | 7226 | 3000 | 4487 | 58.41 | (2x) 18.5 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-02O-2 | 10313 | 6418 | 3813 | 7226 | 3000 | 4487 | 61.88 | (2x) 22.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-02P-2 | 10385 | 6490 | 3885 | 7226 | 3000 | 4487 | 68.62 | (2x) 30.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03L-2 | 10771 | 6876 | 3651 | 7226 | 3000 | 4944 | 48.81 | (2x) 11.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03M-2 | 10811 | 6916 | 3691 | 7226 | 3000 | 4944 | 54.13 | (2x) 15.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03N-2 | 10889 | 6994 | 3769 | 7226 | 3000 | 4944 | 58.05 | (2x) 18.5 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03O-2 | 10933 | 7038 | 3813 | 7226 | 3000 | 4944 | 61.5 | (2x) 22.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03P-2 | 11005 | 7110 | 3885 | 7226 | 3000 | 4944 | 68.2 | (2x) 30.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-03Q-2 | 11055 | 7160 | 3925 | 7226 | 3000 | 4944 | 73.25 | (2x) 37.0 | (2x) 200 | (1x) 300 | (1x) 50 |
| VT1 10 12-01L-3 | 14327 | 8477 | 5427 | 10903 | 3000 | 4030 | 74.19 | (3x) 11.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-01M-3 | 14387 | 8537 | 5487 | 10903 | 3000 | 4030 | 82.27 | (3x) 15.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-01N-3 | 14504 | 8654 | 5604 | 10903 | 3000 | 4030 | 88.22 | (3x) 18.5 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 | 14570 | 8720 | 5670 | 10903 | 3000 | 4030 | 94.37 | (3x) | (3x) | (2x) | (1x) 80 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-01O-3 | | | | | | | | 22.0 | 200 | 250 | |
| VT1 10 12-01P-3 | 14860 | 8830 | 5785 | 10903 | 3000 | 4030 | 103.64 | (3x) 30.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-02L-3 | 15209 | 9359 | 5434 | 10903 | 3000 | 4487 | 73.67 | (3x) 11.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-02M-3 | 15269 | 9419 | 5494 | 10903 | 3000 | 4487 | 81.7 | (3x) 15.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-02N-3 | 15386 | 9536 | 5611 | 10903 | 3000 | 4487 | 87.61 | (3x) 18.5 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-02O-3 | 15452 | 9602 | 5677 | 10903 | 3000 | 4487 | 92.82 | (3x) 22.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-02P-3 | 15560 | 9710 | 5785 | 10903 | 3000 | 4487 | 102.93 | (3x) 30.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03L-3 | 16139 | 10289 | 5434 | 10903 | 3000 | 4944 | 73.22 | (3x) 11.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03M-3 | 16199 | 10349 | 5494 | 10903 | 3000 | 4944 | 81.2 | (3x) 15.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03N-3 | 16316 | 10466 | 5611 | 10903 | 3000 | 4944 | 87.07 | (3x) 18.5 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03O-3 | 16382 | 10532 | 5677 | 10903 | 3000 | 4944 | 92.25 | (3x) 22.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03P-3 | 16490 | 10640 | 5785 | 10903 | 3000 | 4944 | 102.3 | (3x) 30.0 | (3x) 200 | (2x) 250 | (1x) 80 |
| VT1 10 12-03Q-3 | 16570 | 10720 | 5855 | 10903 | 3000 | 4944 | 109.87 | (3x) 37.0 | (3x) 200 | (2x) 250 | (1x) 80 |

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