# HFL 108X-144X

## Closed circuit 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 interests 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 larger than 100 mm are beveled for welding.
2. Fan kW is for HFL units without FDC (0 Pa ESP) and in wet operation. To operate against external static pressure up to 125 Pa, consult your local BAC representative for size and location.
3. Airflow is for HFL units without FDC. For airflow of units equipped with the FDC consult your local BAC representative.
4. Unit height is indicative, for precise value refer to certified print.
5. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
6. The weights for the 3-way-valve arrangement are the maximum weights.

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### HFL 108X-144X

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1. Access; 2. Make up; 3. Electric float switch; 4. Overflow; 5. Drain; 6. Water treatment connection; 7. Bare coil fluid inlet ND100; 8. Bare coil fluid outlet ND100; 9. Vent; 10. FDC fluid inlet ND100; 11. FDC fluid outlet ND100; 12. Three-way valve; 13. Orifice; 14. Terminal box; 15. Operating level; 16. Overflow level.

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| Model | Weights (kg) | | | Dimensions (mm) | | | Air Flow ($m^3/s$) | Fan Motor (kW) | Water Flow (l/s) | Pump Motor (kW) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Oper. Weight (kg) | Ship. Weight(kg) | Heaviest Section (kg) | L | W | H | | | | |
| HFL 1081-O | 7280 | 5310 | 5310 | 4565 | 3605 | 2175 | 33.29 | (1x) 22.0 | 26.9 | (1x) 4.0 |
| HFL 1081-P | 7300 | 5330 | 5330 | 4565 | 3605 | 2175 | 36.92 | (1x) 30.0 | 26.9 | (1x) 4.0 |
| HFL 1082-O | 8250 | 6050 | 6050 | 4565 | 3605 | 2410 | 32.35 | (1x) 22.0 | 26.9 | (1x) 4.0 |
| HFL 1082-P | 8270 | 6070 | 6070 | 4565 | 3605 | 2410 | 35.87 | (1x) 30.0 | 26.9 | (1x) 4.0 |
| HFL 1083-O | 9410 | 6840 | 6840 | 4565 | 3605 | 2675 | 31.12 | (1x) 22.0 | 26.9 | (1x) 4.0 |
| HFL 1083-P | 9430 | 6860 | 6860 | 4565 | 3605 | 2675 | 34.51 | (1x) 30.0 | 26.9 | (1x) 4.0 |
| HFL 1084-O | 10340 | 7640 | 7640 | 4565 | 3605 | 2880 | 30.45 | (1x) 22.0 | 26.9 | (1x) 4.0 |
| HFL 1084-P | 10360 | 7660 | 7660 | 4565 | 3605 | 2880 | 33.77 | (1x) 30.0 | 26.9 | (1x) 4.0 |
| HFL 1084-Q | 10460 | 7760 | 7760 | 4565 | 3605 | 2880 | 36.21 | (1x) 37.0 | 26.9 | (1x) 4.0 |
| HFL 1441-Q | 8660 | 6340 | 6340 | 5485 | 3605 | 2175 | 40.67 | (1x) 37.0 | 36.3 | (1x) 4.0 |
| HFL 1442-O | 9770 | 7220 | 7220 | 5485 | 3605 | 2410 | 33.65 | (1x) 22.0 | 36.3 | (1x) 4.0 |
| HFL 1442-P | 9790 | 7240 | 7240 | 5485 | 3605 | 2410 | 37.31 | (1x) 30.0 | 36.3 | (1x) 4.0 |
| HFL 1443-O | 11080 | 8170 | 8170 | 5485 | 3605 | 2675 | 32.75 | (1x) 22.0 | 36.3 | (1x) 4.0 |
| HFL 1443-P | 11100 | 8190 | 8190 | 5485 | 3605 | 2675 | 36.31 | (1x) 30.0 | 36.3 | (1x) 4.0 |
| HFL 1443-Q | 11190 | 8290 | 8290 | 5485 | 3605 | 2675 | 39.94 | (1x) 37.0 | 36.3 | (1x) 4.0 |
| HFL 1444-O | 13110 | 9140 | 9140 | 5485 | 3605 | 2880 | 32.09 | (1x) 22.0 | 36.3 | (1x) 4.0 |
| HFL 1444-P | 12535 | 9160 | 9160 | 5485 | 3605 | 2880 | 35.58 | (1x) 30.0 | 36.3 | (1x) 4.0 |
| HFL 1444-Q | 12635 | 9260 | 9260 | 5485 | 3605 | 2880 | 38.15 | (1x) 37.0 | 36.3 | (1x) 4.0 |

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