# VX-S

## PACKAGED COOLING TOWER

SINGLE-CELL UP TO 650HRT COOLING CAPACITY

TRUWATER®

High Performance Crossflow Type




NEW
IMPROVED VERSION

ISO14001 CERTIFIED

ISO9001 CERTIFIED

CTI CERTIFIED

SINGAPORE GREEN BUILDING PRODUCT SGBC EXCELLENT

ENERGY SAVING SUPER LOW NOISE

# VX-S SERIES COOLING TOWER

## SINGLE-CELL UP TO 650HRT COOLING CAPACITY

TRUWATER®



## INTRODUCTION

VX-S Series is an induced draft cross-flow, film filled, FRP multi-cell rectangular cooling tower designed for the equipment cooling, and industrial process cooling and air conditioning applications.

The VX-S Series Cooling Tower is designed to meet maximum performance and reliability, and minimum maintenance.

The thermal performance of VX-S Series has been certified by CTI in accordance with CTI Standard STD-201.

VX-S Series Cooling Towers are designed and provided with high quality V-belt & pulley drive system or right-angle gear reducer drive system for more reliable operation.

## ADVANTAGES

### Space Saving & Light Weight

Incorporation the high performance fill, the installation space and operating weight are greatly reduced.

### Energy Saving

The high efficiency fan and low pressure drop fill design optimize the energy consumption.

### Low Noise Level

The noise level is lowered by the specifically designed low noise fan.

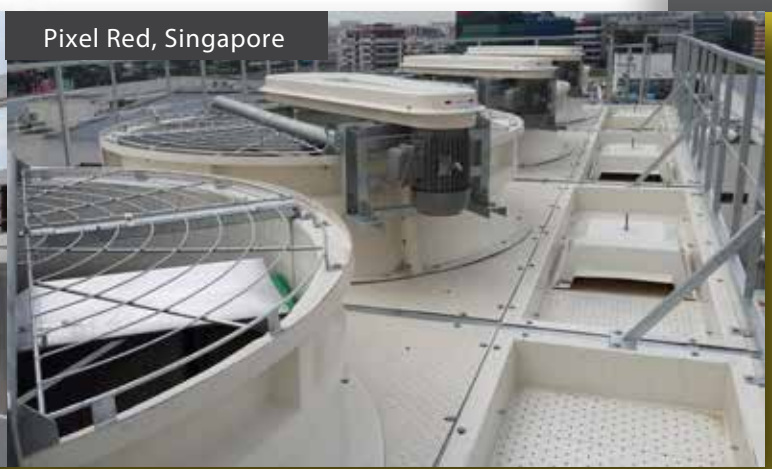
### Proven Corrosion Protection

Tower components are made of anti-corrosive material suitable for cooling water application.

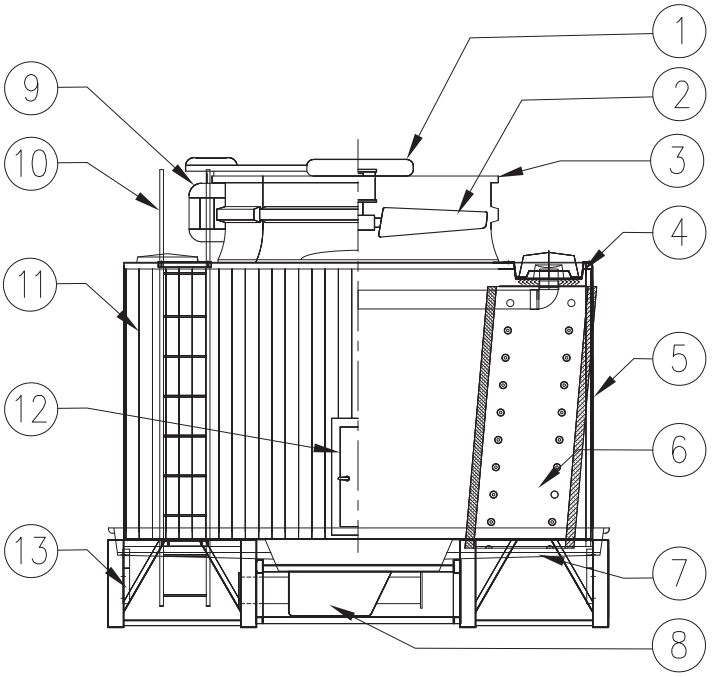
Puteri Harbour, Johor



Pixel Red, Singapore



# FEATURES




| No | Description | Material / Specification |
|---|---|---|
| 1 | V-Belt and Pulley System | FRP Pulley Cover |
| 2 | Fan Assembly | Aluminium Alloy |
| 3 | Fan Stack | FRP |
| 4 | Hot Water Basin | FRP |
| 5 | Main Frame Structure | HDG Steel |
| 6 | High Performance Film Fill Pack | PVC |
| 7 | Cold Water Basin Floor | FRP |
| 8 | Suction Sump | FRP |
| 9 | Motor | Weather Proof TEFC type |
| 10 | Ladder | HDG Steel |
| 11 | Casing | FRP |
| 12 | Inspection Door | FRP |
| 13 | Cold Water Basin Frame | HDG Steel |
| 14 | Internal Piping | Optional |
| 15 | Gear Reducer System | Optional |

**Example of Model Definition**

VX | S | 2220 | A | – | 1 | L | XXX

**VX-S Series**

**Structure Material**
S = HDG Steel
F = FRP Pultruded
T = Timber
X = Stainless Steel

**Nominal Cell Size**

**Motor Size**

**No. of Cell(s)**

**L = Low Noise Fan (Standard)**
**S = Super Low Noise Fan**
**U = Ultra Low Noise Fan**

**I = Internal Piping**
**G = Gear Reducer Drive**
**A = Additional Items**
**M = Modification / Non-CTI Not Listed**

Index Rama 2, Thailand

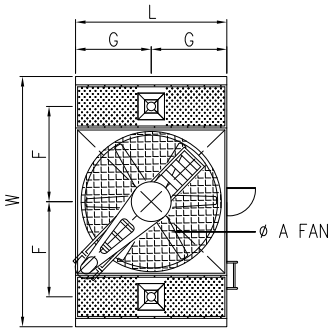


Gaysorn, Thailand

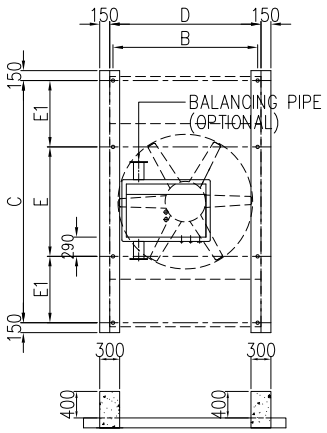


# OUTLINE AND FOUNDATION DRAWINGS (SINGLE CELL)

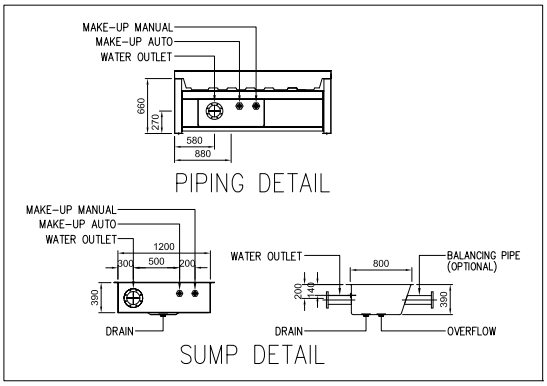
| | |
|---|---|
| 2220X | 2227X |
| 2220Y | 2227Y |
| 2220Z | 2227Z |
| 2220A | 2227A |
| 2220B | 2227B |
| 2220C | 2227C |
| 2220D | 2227D |

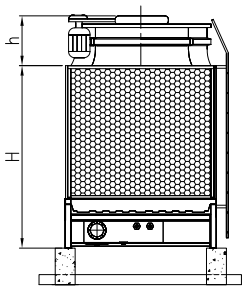



PLAN VIEW

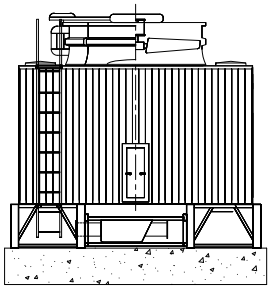



RC FOUNDATION DETAIL




FRONT VIEW



SIDE VIEW

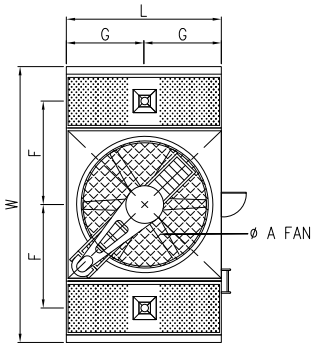
**NOTE : ALL DIMENSION IN MM.**

## VX-S SERIES RANGE

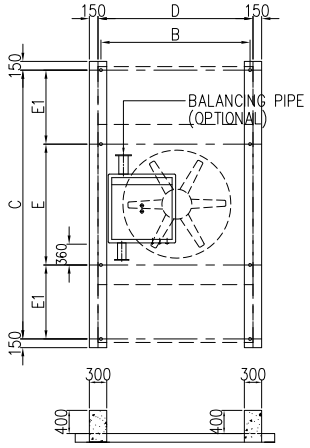
| Tower Model VXS | OVERALL DIMENSION | | | | MOTOR | | | | AXIAL FLOW FAN | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L | W | H | h | Output (kW) | Current at 415V (AMP) | Type | Power Source | A | Fan Speed (RPM) | No of blades | Drive System |
| 2220X | 2280 | 3770 | 2750 | 750 | 1.5 | 3.3 | TEFC , outdoor , 3 phase , induction motor , 4 pole | 3ph / 380V /50Hz or 3ph / 415V /50Hz | 2000 | 450 | Four (4) to Six (6) | V-Belt and Pulley |
| 2220Y | | | | | 2.2 | 4.7 | | | 2000 | 450 | | |
| 2220Z | | | | | 3.0 | 6.1 | | | 2000 | 450 | | |
| 2220A | | | | | 4.0 | 8.1 | | | 2000 | 450 | | |
| 2220B | | | | | 5.5 | 11 | | | 2000 | 450 | | |
| 2220C | | | | | 7.5 | 13.6 | | | 2000 | 450 | | |
| 2220D | | | | | 11.0 | 20.1 | | | 2000 | 450 | | |
| 2227X | 2280 | 3770 | 3460 | 750 | 1.5 | 3.3 | | | 2000 | 450 | | |
| 2227Y | | | | | 2.2 | 4.7 | | | 2000 | 450 | | |
| 2227Z | | | | | 3.0 | 6.1 | | | 2000 | 450 | | |
| 2227A | | | | | 4.0 | 8.1 | | | 2000 | 450 | | |
| 2227B | | | | | 5.5 | 11 | | | 2000 | 450 | | |
| 2227C | | | | | 7.5 | 13.6 | | | 2000 | 450 | | |
| 2227D | | | | | 11.0 | 20.1 | | | 2000 | 450 | | |
| 2620X | 2680 | 4770 | 3050 | 1000 | 1.5 | 3.3 | | | 2135 | 425 | | |
| 2620Y | | | | | 2.2 | 4.7 | | | 2135 | 425 | | |
| 2620Z | | | | | 3.0 | 6.1 | | | 2135 | 425 | | |
| 2620A | | | | | 4.0 | 8.1 | | | 2135 | 425 | | |
| 2620B | | | | | 5.5 | 11 | | | 2135 | 425 | | |
| 2620C | | | | | 7.5 | 13.6 | | | 2135 | 425 | | |
| 2620D | | | | | 11.0 | 20.1 | | | 2135 | 425 | | |
| 2620E | | | | | 15.0 | 26.7 | | | 2135 | 425 | | |
| 2625X | 2680 | 4770 | 3480 | 1000 | 1.5 | 3.3 | | | 2135 | 425 | | |
| 2625Y | | | | | 2.2 | 4.7 | | | 2135 | 425 | | |
| 2625Z | | | | | 3.0 | 6.1 | | | 2135 | 425 | | |
| 2625A | | | | | 4.0 | 8.1 | | | 2135 | 425 | | |
| 2625B | | | | | 5.5 | 11 | | | 2135 | 425 | | |
| 2625C | | | | | 7.5 | 13.6 | | | 2135 | 425 | | |
| 2625D | | | | | 11.0 | 20.1 | | | 2135 | 425 | | |
| 2625E | | | | | 15.0 | 26.7 | | | 2135 | 425 | | |
| 2630X | 2680 | 4770 | 3880 | 1000 | 1.5 | 3.3 | | | 2135 | 425 | | |
| 2630Y | | | | | 2.2 | 4.7 | | | 2135 | 425 | | |
| 2630Z | | | | | 3.0 | 6.1 | | | 2135 | 425 | | |
| 2630A | | | | | 4.0 | 8.1 | | | 2135 | 425 | | |
| 2630B | | | | | 5.5 | 11 | | | 2135 | 425 | | |
| 2630C | | | | | 7.5 | 13.6 | | | 2135 | 425 | | |
| 2630D | | | | | 11.0 | 20.1 | | | 2135 | 425 | | |
| 2630E | | | | | 15.0 | 26.7 | | | 2135 | 425 | | |

** We reserve the right to change data and specification without prior notice*

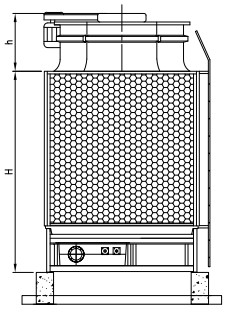
# OUTLINE AND FOUNDATION DRAWINGS (SINGLE CELL)



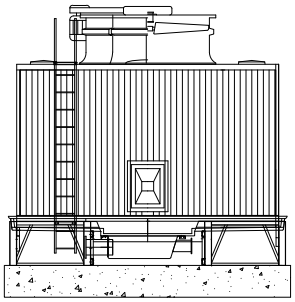

PLAN VIEW




RC FOUNDATION DETAIL

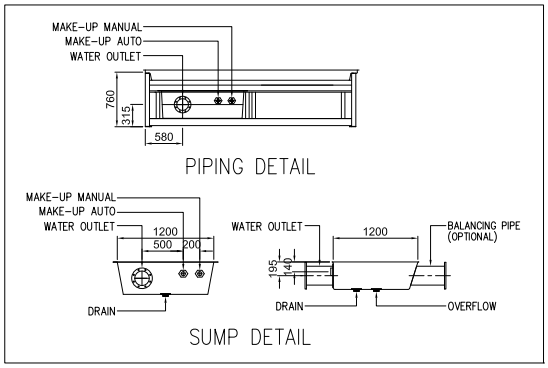



FRONT VIEW



SIDE VIEW

| | | |
|---|---|---|
| 2620X | 2625X | 2630X |
| 2620Y | 2625Y | 2630Y |
| 2620Z | 2625Z | 2630Z |
| 2620A | 2625A | 2630A |
| 2620B | 2625B | 2630B |
| 2620C | 2625C | 2630C |
| 2620D | 2625D | 2630D |
| 2620E | 2625E | 2630E |




**NOTE : ALL DIMENSION IN MM.**

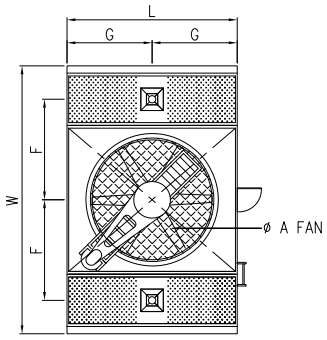
## VX-S SERIES RANGE

| Tower Model VXS | ANCHOR BOLTS DATA | | | | | PIPING DATA | | | PIPING SIZE | | | | | | WEIGHT (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B | C | D | E | E1 | F | G | J | External Piping | Internal Piping | Water Outlet | Overflow | Drain | Make up Auto & Manual | Dry Weight | Oper. Weight |
| 2220X | 2180 | 3650 | 2280 | 1650 | 1000 | 1435 | 1140 | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1150 | 3100 |
| 2220Y | | | | | | | | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1155 | 3120 |
| 2220Z | | | | | | | | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1160 | 3140 |
| 2220A | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1165 | 3170 |
| 2220B | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1180 | 3200 |
| 2220C | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1190 | 3230 |
| 2220D | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1235 | 3300 |
| 2227X | 2180 | 3650 | 2280 | 1650 | 1000 | 1435 | 1140 | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1740 | 3830 |
| 2227Y | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1745 | 3870 |
| 2227Z | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1750 | 3900 |
| 2227A | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1760 | 3930 |
| 2227B | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1775 | 3970 |
| 2227C | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1785 | 4010 |
| 2227D | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1830 | 4090 |
| 2620X | 2580 | 4650 | 2680 | 2090 | 1280 | 1790 | 1340 | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1920 | 4720 |
| 2620Y | | | | | | | | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1930 | 4760 |
| 2620Z | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 1930 | 4780 |
| 2620A | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1940 | 4820 |
| 2620B | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1955 | 4860 |
| 2620C | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 1965 | 4890 |
| 2620D | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2005 | 4970 |
| 2620E | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2020 | 5020 |
| 2625X | 2580 | 4650 | 2680 | 2090 | 1280 | 1790 | 1340 | - | 100 x 2 | 125 x 1 | 125 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 2045 | 5000 |
| 2625Y | | | | | | | | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 2050 | 5040 |
| 2625Z | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2050 | 5070 |
| 2625A | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2060 | 5110 |
| 2625B | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2075 | 5160 |
| 2625C | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2085 | 5200 |
| 2625D | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2125 | 5290 |
| 2625E | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2140 | 5340 |
| 2630X | 2580 | 4650 | 2680 | 2090 | 1280 | 1790 | 1340 | - | 100 x 2 | 125 x 1 | 150 x 1 | 50 x 1 | 50 x 1 | 25 x 1 | 2160 | 5260 |
| 2630Y | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2165 | 5310 |
| 2630Z | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2170 | 5360 |
| 2630A | | | | | | | | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2180 | 5410 |
| 2630B | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2190 | 5450 |
| 2630C | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2205 | 5510 |
| 2630D | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2240 | 5610 |
| 2630E | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2260 | 5670 |

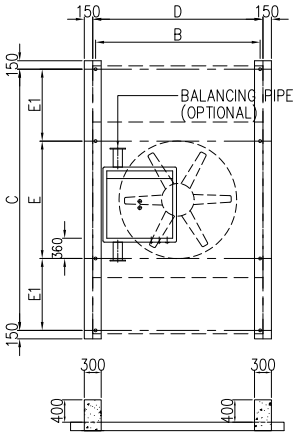
** Note:* *1.) For Internal Piping Detail, Please Contact Truwater's Engineer.* *2.) Balancing Pipe Connection Is Available Upon Request.*
*3.) External Piping to Open End. Internal Piping & Water Outlet to JIS 10K FF Flange.* *4.) Overflow, Drain, Make Up Auto & Manual to BSP Thread.*

# OUTLINE AND FOUNDATION DRAWINGS (SINGLE CELL)

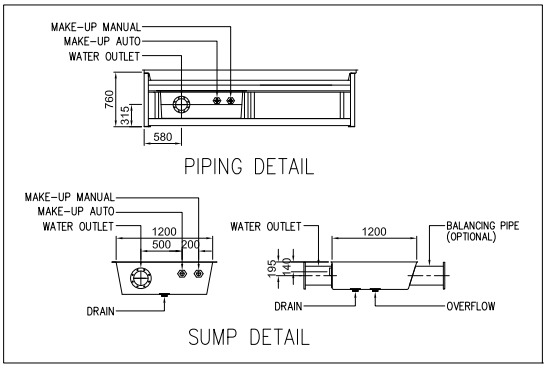
| | | |
|---|---|---|
| 3025A | 3030A | 3035A |
| 3025B | 3030B | 3035B |
| 3025C | 3030C | 3035C |
| 3025D | 3030D | 3035D |
| 3025E | 3030E | 3035E |
| 3025F | 3030F | 3035F |

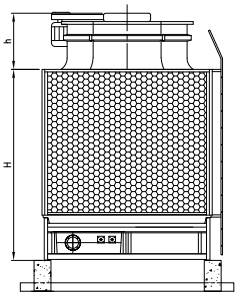



PLAN VIEW

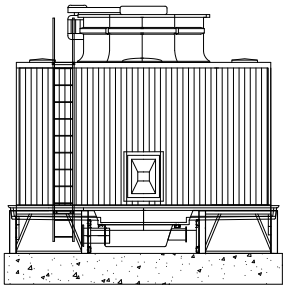



RC FOUNDATION DETAIL




FRONT VIEW



SIDE VIEW

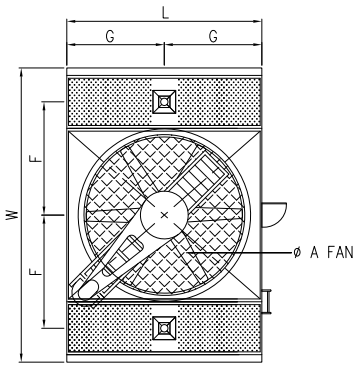
**NOTE : ALL DIMENSION IN MM.**

## VX-S SERIES RANGE

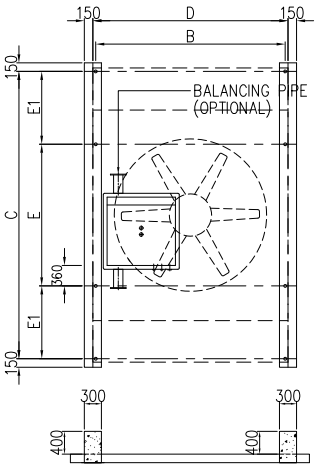
| Tower Model VXS | OVERALL DIMENSION | | | | MOTOR | | | | AXIAL FLOW FAN | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L | W | H | h | Output (kW) | Current at 415V (AMP) | Type | Power Source | A | Fan Speed (RPM) | No of blades | Drive System |
| 3025A | 3030 | 4770 | 3480 | 1000 | 4.0 | 8.1 | TEFC , outdoor , 3 phase , induction motor , 4 pole | 3ph / 380V /50Hz or 3ph / 415V /50Hz | 2440 | 400 | Four (4) to Six (6) | V-Belt and Pulley |
| 3025B | | | | | 5.5 | 11 | | | 2440 | 400 | | |
| 3025C | | | | | 7.5 | 13.6 | | | 2440 | 400 | | |
| 3025D | | | | | 11.0 | 20.1 | | | 2440 | 400 | | |
| 3025E | | | | | 15.0 | 26.7 | | | 2440 | 400 | | |
| 3025F | | | | | 18.5 | 33.2 | | | 2440 | 400 | | |
| 3030A | 3030 | 4770 | 3880 | 1000 | 4.0 | 8.1 | | | 2440 | 400 | | |
| 3030B | | | | | 5.5 | 11 | | | 2440 | 400 | | |
| 3030C | | | | | 7.5 | 13.6 | | | 2440 | 400 | | |
| 3030D | | | | | 11.0 | 20.1 | | | 2440 | 400 | | |
| 3030E | | | | | 15.0 | 26.7 | | | 2440 | 400 | | |
| 3030F | | | | | 18.5 | 33.2 | | | 2440 | 400 | | |
| 3035A | 3030 | 4770 | 4480 | 1000 | 4.0 | 8.1 | | | 2440 | 400 | | |
| 3035B | | | | | 5.5 | 11 | | | 2440 | 400 | | |
| 3035C | | | | | 7.5 | 13.6 | | | 2440 | 400 | | |
| 3035D | | | | | 11.0 | 20.1 | | | 2440 | 400 | | |
| 3035E | | | | | 15.0 | 26.7 | | | 2440 | 400 | | |
| 3035F | | | | | 18.5 | 33.2 | | | 2440 | 400 | | |
| 3425A | 3430 | 5170 | 3480 | 1000 | 4.0 | 8.1 | | | 2745 | 380 | | |
| 3425B | | | | | 5.5 | 11 | | | 2745 | 380 | | |
| 3425C | | | | | 7.5 | 13.6 | | | 2745 | 380 | | |
| 3425D | | | | | 11.0 | 20.1 | | | 2745 | 385 | | |
| 3425E | | | | | 15.0 | 26.7 | | | 2745 | 385 | | |
| 3425F | | | | | 18.5 | 33.2 | | | 2745 | 400 | | |
| 3430A | 3430 | 5170 | 3880 | 1000 | 4.0 | 8.1 | | | 2745 | 380 | | |
| 3430B | | | | | 5.5 | 11 | | | 2745 | 380 | | |
| 3430C | | | | | 7.5 | 13.6 | | | 2745 | 380 | | |
| 3430D | | | | | 11.0 | 20.1 | | | 2745 | 385 | | |
| 3430E | | | | | 15.0 | 26.7 | | | 2745 | 385 | | |
| 3430F | | | | | 18.5 | 33.2 | | | 2745 | 400 | | |
| 3435A | 3430 | 5170 | 4480 | 1000 | 4.0 | 8.1 | | | 2745 | 380 | | |
| 3435B | | | | | 5.5 | 11 | | | 2745 | 380 | | |
| 3435C | | | | | 7.5 | 13.6 | | | 2745 | 380 | | |
| 3435D | | | | | 11.0 | 20.1 | | | 2745 | 385 | | |
| 3435E | | | | | 15.0 | 26.7 | | | 2745 | 385 | | |
| 3435F | | | | | 18.5 | 33.2 | | | 2745 | 400 | | |

** We reserve the right to change data and specification without prior notice*

# OUTLINE AND FOUNDATION DRAWINGS (SINGLE CELL)

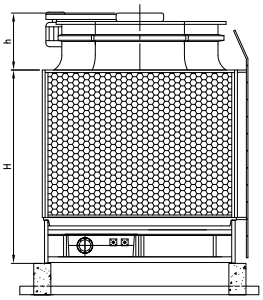



PLAN VIEW

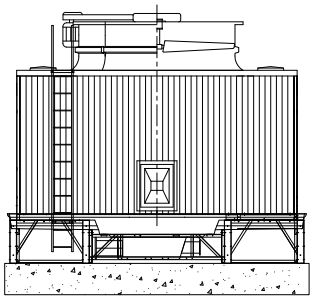



RC FOUNDATION DETAIL

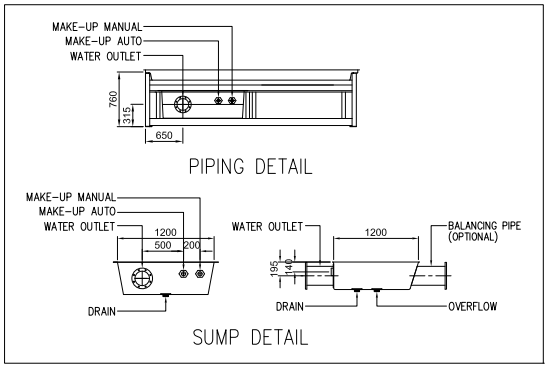
| | | |
|---|---|---|
| 3425A | 3430A | 3435A |
| 3425B | 3430B | 3435B |
| 3425C | 3430C | 3435C |
| 3425D | 3430D | 3435D |
| 3425E | 3430E | 3435E |
| 3425F | 3430F | 3435F |




FRONT VIEW



SIDE VIEW




**NOTE : ALL DIMENSION IN MM.**

## VX-S SERIES RANGE

| Tower Model VXS | ANCHOR BOLTS DATA | | | | | PIPING DATA | | | PIPING SIZE | | | | | | WEIGHT (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B | C | D | E | E1 | F | G | J | External Piping | Internal Piping | Water Outlet | Overflow | Drain | Make up Auto & Manual | Dry Weight | Oper. Weight |
| 3025A | 2930 | 4650 | 3030 | 2090 | 1280 | 1790 | 1515 | - | 125 x 2 | 150 x 1 | 200 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2385 | 5700 |
| 3025B | | | | | | | | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2390 | 6050 |
| 3025C | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2400 | 6110 |
| 3025D | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2440 | 6200 |
| 3025E | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2455 | 6260 |
| 3025F | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2490 | 6330 |
| 3030A | 2930 | 4650 | 3030 | 2090 | 1280 | 1790 | 1515 | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2515 | 6400 |
| 3030B | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2515 | 6450 |
| 3030C | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2530 | 6530 |
| 3030D | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2565 | 6620 |
| 3030E | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2585 | 6680 |
| 3030F | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 2620 | 6750 |
| 3035A | 2930 | 4650 | 3030 | 2090 | 1280 | 1790 | 1515 | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2640 | 6480 |
| 3035B | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2645 | 6530 |
| 3035C | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2655 | 6590 |
| 3035D | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2695 | 6690 |
| 3035E | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 2710 | 6760 |
| 3035F | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 2750 | 6840 |
| 3425A | 3330 | 5050 | 3430 | 2490 | 1280 | 1990 | 1715 | - | 125 x 2 | 200 x 1 | 250 x 1 | 50 x 1 | 50 x 1 | 50 x 1 | 2795 | 6850 |
| 3425B | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2800 | 6900 |
| 3425C | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2810 | 6970 |
| 3425D | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 2825 | 7070 |
| 3425E | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 2975 | 7290 |
| 3425F | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3015 | 7370 |
| 3430A | 3330 | 5050 | 3430 | 2490 | 1280 | 1990 | 1715 | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3045 | 7630 |
| 3430B | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3050 | 7660 |
| 3430C | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3060 | 7730 |
| 3430D | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3100 | 7850 |
| 3430E | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3120 | 7920 |
| 3430F | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3160 | 8010 |
| 3435A | 3330 | 5050 | 3430 | 2490 | 1280 | 1990 | 1715 | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3190 | 8020 |
| 3435B | | | | | | | | - | 150 x 2 | 200 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3195 | 8060 |
| 3435C | | | | | | | | - | 150 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 50 x 1 | 50 x 1 | 3205 | 8140 |
| 3435D | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3245 | 8270 |
| 3435E | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3265 | 8370 |
| 3435F | | | | | | | | - | 200 x 2 | 250 x 1 | 250 x 1 | 80 x 1 | 80 x 1 | 50 x 1 | 3305 | 8470 |

** Note:* *1.) For Internal Piping Detail, Please Contact Truwater's Engineer.* *2.) Balancing Pipe Connection Is Available Upon Request.*
*3.) External Piping to Open End. Internal Piping & Water Outlet to JIS 10K FF Flange.* *4.) Overflow, Drain, Make Up Auto & Manual to BSP Thread.*

# VX-S SERIES QUICK SELECTION TABLE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deg F | HWT | 97 | 97.0 | 97 | 100 | 102 | 102 | 105.0 | 107 | 107 | 110.0 | 112.0 | 95.0 | 98.6 | 98.6 |
| | CWT | 87.0 | 87.0 | 87 | 90 | 87 | 92.0 | 95 | 97 | 97.0 | 100.0 | 97.0 | 85 | 89.6 | 89.6 |
| | WBT | 80.00 | 81.00 | 82.00 | 80.00 | 80.00 | 85.00 | 85.00 | 85.00 | 90.00 | 90.00 | 90.00 | 78.00 | 80.60 | 82.40 |
| Deg C | HWT | 36.1 | 36.1 | 36.1 | 37.8 | 38.9 | 38.9 | 40.6 | 41.7 | 41.7 | 43.3 | 44.4 | 35.0 | 37.0 | 37.0 |
| | CWT | 30.6 | 30.6 | 30.6 | 32.2 | 30.6 | 33.3 | 35.0 | 36.1 | 36.1 | 37.8 | 36.1 | 29.4 | 32.0 | 32.0 |
| | WBT | 26.7 | 27.2 | 27.8 | 26.7 | 26.7 | 29.4 | 29.4 | 29.4 | 32.2 | 32.2 | 32.2 | 25.6 | 27.0 | 28.0 |

| TOWER MODEL VXS | Motor kW | m3/hr | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2220X | 1.5 | 69.3 | 63.3 | 57.0 | 93.7 | 55.1 | 79.6 | 107.6 | 127.5 | 91.8 | 124.1 | 73.3 | 65.6 | 93.1 | 80.9 |
| 2220Y | 2.2 | 78.9 | 72.1 | 64.8 | 106.6 | 62.7 | 90.6 | 122.5 | 145.2 | 104.5 | 141.2 | 83.4 | 74.7 | 105.9 | 92.1 |
| 2220Z | 3.0 | 87.4 | 79.9 | 71.9 | 118.1 | 69.5 | 100.4 | 135.8 | 160.9 | 115.8 | 156.5 | 92.4 | 82.7 | 117.4 | 102.1 |
| 2220A | 4.0 | 95.9 | 87.7 | 78.9 | 129.7 | 76.3 | 110.2 | 149.0 | 176.5 | 127.1 | 171.8 | 101.5 | 90.8 | 128.9 | 112.0 |
| 2220B | 5.5 | 106.6 | 97.4 | 87.6 | 144.1 | 84.8 | 122.5 | 165.6 | 196.2 | 141.2 | 190.9 | 112.7 | 100.9 | 143.2 | 124.5 |
| 2220C | 7.5 | 117.2 | 107.2 | 96.4 | 158.5 | 93.2 | 134.7 | 182.2 | 215.8 | 155.3 | 210.0 | 124.0 | 111.0 | 157.5 | 136.9 |
| 2220D | 11.0 | 139.6 | 127.7 | 114.8 | 188.8 | 111.0 | 160.5 | 216.9 | 257.0 | 184.9 | 250.0 | 147.7 | 132.2 | 187.6 | 163.1 |
| 2227X | 1.5 | 82.1 | 75.0 | 67.5 | 110.9 | 65.3 | 94.3 | 127.5 | 151.0 | 108.7 | 147.0 | 86.8 | 77.7 | 110.2 | 95.8 |
| 2227Y | 2.2 | 93.8 | 85.8 | 77.1 | 126.8 | 74.6 | 107.8 | 145.7 | 172.6 | 124.2 | 168.0 | 99.2 | 88.8 | 126.0 | 109.5 |
| 2227Z | 3.0 | 103.4 | 94.5 | 85.0 | 139.8 | 82.2 | 118.8 | 160.6 | 190.3 | 136.9 | 185.1 | 109.4 | 97.9 | 138.9 | 120.7 |
| 2227A | 4.0 | 114.0 | 104.3 | 93.8 | 154.2 | 90.7 | 131.1 | 177.2 | 209.9 | 151.0 | 204.2 | 120.6 | 107.9 | 153.2 | 133.2 |
| 2227B | 5.5 | 126.8 | 116.0 | 104.3 | 171.5 | 100.9 | 145.8 | 197.1 | 233.4 | 168.0 | 227.1 | 134.2 | 120.0 | 170.4 | 148.1 |
| 2227C | 7.5 | 139.6 | 127.7 | 114.8 | 188.8 | 111.0 | 160.5 | 216.9 | 257.0 | 184.9 | 250.0 | 147.7 | 132.2 | 187.6 | 163.1 |
| 2227D | 11.0 | 158.8 | 145.2 | 130.6 | 214.7 | 126.3 | 182.5 | 246.8 | 292.3 | 210.3 | 284.4 | 168.0 | 150.3 | 213.3 | 185.5 |
| 2620X | 1.5 | 86.4 | 79.0 | 71.1 | 116.9 | 68.7 | 99.3 | 134.3 | 159.1 | 114.5 | 154.8 | 91.4 | 81.8 | 116.1 | 101.0 |
| 2620Y | 2.2 | 97.1 | 88.8 | 79.8 | 131.3 | 77.2 | 111.6 | 150.9 | 178.7 | 128.6 | 173.9 | 102.7 | 91.9 | 130.4 | 113.4 |
| 2620Z | 3.0 | 108.9 | 99.6 | 89.6 | 147.3 | 86.6 | 125.2 | 169.3 | 200.5 | 144.3 | 195.1 | 115.2 | 103.1 | 146.4 | 127.2 |
| 2620A | 4.0 | 120.8 | 110.4 | 99.3 | 163.3 | 96.1 | 138.8 | 187.7 | 222.3 | 160.0 | 216.3 | 127.8 | 114.3 | 162.3 | 141.1 |
| 2620B | 5.5 | 133.8 | 122.3 | 110.0 | 180.9 | 106.4 | 153.8 | 207.9 | 246.3 | 177.2 | 239.6 | 141.6 | 126.7 | 179.8 | 156.3 |
| 2620C | 7.5 | 148.0 | 135.3 | 121.7 | 200.1 | 117.7 | 170.1 | 230.0 | 272.4 | 196.1 | 265.1 | 156.6 | 140.1 | 198.9 | 172.9 |
| 2620D | 11.0 | 170.5 | 155.9 | 140.2 | 230.5 | 135.6 | 196.0 | 265.0 | 313.9 | 225.9 | 305.4 | 180.4 | 161.4 | 229.1 | 199.2 |
| 2620E | 15.0 | 195.4 | 178.6 | 160.7 | 264.2 | 155.4 | 224.6 | 303.6 | 359.6 | 258.8 | 349.9 | 206.7 | 185.0 | 262.5 | 228.2 |
| 2625X | 1.5 | 97.1 | 88.8 | 79.8 | 131.3 | 77.2 | 111.6 | 150.9 | 178.7 | 128.6 | 173.9 | 102.7 | 91.9 | 130.4 | 113.4 |
| 2625Y | 2.2 | 111.3 | 101.8 | 91.5 | 150.5 | 88.5 | 127.9 | 173.0 | 204.9 | 147.4 | 199.4 | 117.8 | 105.4 | 149.5 | 130.0 |
| 2625Z | 3.0 | 124.3 | 113.7 | 102.2 | 168.1 | 98.9 | 142.9 | 193.2 | 228.9 | 164.7 | 222.7 | 131.5 | 117.7 | 167.0 | 145.2 |
| 2625A | 4.0 | 137.4 | 125.6 | 112.9 | 185.7 | 109.2 | 157.9 | 213.4 | 252.8 | 181.9 | 246.0 | 145.3 | 130.0 | 184.5 | 160.4 |

# VX-S SERIES QUICK SELECTION TABLE

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deg F | HWT | 97 | 97.0 | 97 | 100 | 102 | 102 | 105.0 | 107 | 107 | 110.0 | 112.0 | 95.0 | 98.6 | 98.6 |
| | CWT | 87.0 | 87.0 | 87 | 90 | 87 | 92.0 | 95 | 97 | 97.0 | 100.0 | 97.0 | 85 | 89.6 | 89.6 |
| | WBT | 80.00 | 81.00 | 82.00 | 80.00 | 80.00 | 85.00 | 85.00 | 85.00 | 90.00 | 90.00 | 90.00 | 78.00 | 80.60 | 82.40 |
| Deg C | HWT | 36.1 | 36.1 | 36.1 | 37.8 | 38.9 | 38.9 | 40.6 | 41.7 | 41.7 | 43.3 | 44.4 | 35.0 | 37.0 | 37.0 |
| | CWT | 30.6 | 30.6 | 30.6 | 32.2 | 30.6 | 33.3 | 35.0 | 36.1 | 36.1 | 37.8 | 36.1 | 29.4 | 32.0 | 32.0 |
| | WBT | 26.7 | 27.2 | 27.8 | 26.7 | 26.7 | 29.4 | 29.4 | 29.4 | 32.2 | 32.2 | 32.2 | 25.6 | 27.0 | 28.0 |

| TOWER MODEL VXS | Motor kW | m3/hr | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2625B** | 5.5 | 153.9 | 140.8 | 126.6 | 208.1 | 122.4 | 176.9 | 239.2 | 283.3 | 203.9 | 275.7 | 162.8 | 145.7 | 206.8 | 179.8 |
| **2625C** | 7.5 | 170.5 | 155.9 | 140.2 | 230.5 | 135.6 | 196.0 | 265.0 | 313.9 | 225.9 | 305.4 | 180.4 | 161.4 | 229.1 | 199.2 |
| **2625D** | 11.0 | 195.4 | 178.6 | 160.7 | 264.2 | 155.4 | 224.6 | 303.6 | 359.6 | 258.8 | 349.9 | 206.7 | 185.0 | 262.5 | 228.2 |
| **2625E** | 15.0 | 216.7 | 198.1 | 178.2 | 293.0 | 172.3 | 249.1 | 336.7 | 398.9 | 287.0 | 388.1 | 229.2 | 205.1 | 291.1 | 253.1 |
| **2630X** | 1.5 | 105.4 | 96.4 | 86.7 | 142.5 | 83.8 | 121.1 | 163.8 | 194.0 | 139.6 | 188.7 | 111.5 | 99.8 | 141.6 | 123.1 |
| **2630Y** | 2.2 | 120.8 | 110.4 | 99.3 | 163.3 | 96.1 | 138.8 | 187.7 | 222.3 | 160.0 | 216.3 | 127.8 | 114.3 | 162.3 | 141.1 |
| **2630Z** | 3.0 | 136.2 | 124.5 | 112.0 | 184.1 | 108.3 | 156.5 | 211.6 | 250.6 | 180.4 | 243.9 | 144.1 | 128.9 | 182.9 | 159.1 |
| **2630A** | 4.0 | 150.4 | 137.5 | 123.7 | 203.3 | 119.6 | 172.8 | 233.7 | 276.8 | 199.2 | 269.3 | 159.1 | 142.4 | 202.0 | 175.7 |
| **2630B** | 5.5 | 164.6 | 150.5 | 135.3 | 222.5 | 130.9 | 189.2 | 255.8 | 303.0 | 218.0 | 294.8 | 174.1 | 155.8 | 221.1 | 192.3 |
| **2630C** | 7.5 | 184.7 | 168.9 | 151.9 | 249.7 | 146.9 | 212.3 | 287.0 | 340.0 | 244.7 | 330.8 | 195.4 | 174.9 | 248.2 | 215.8 |
| **2630D** | 11.0 | 210.8 | 192.7 | 173.3 | 285.0 | 167.6 | 242.2 | 327.5 | 388.0 | 279.2 | 377.5 | 223.0 | 199.5 | 283.2 | 246.2 |
| **2630E** | 15.0 | 233.3 | 213.3 | 191.8 | 315.4 | 185.5 | 268.1 | 362.5 | 429.4 | 309.0 | 417.8 | 246.8 | 220.8 | 313.4 | 272.5 |
| **3025A** | 4.0 | 159.9 | 146.2 | 131.4 | 216.1 | 127.1 | 183.7 | 248.4 | 294.2 | 211.8 | 286.3 | 169.1 | 151.3 | 214.8 | 186.7 |
| **3025B** | 5.5 | 177.6 | 162.4 | 146.1 | 240.1 | 141.3 | 204.1 | 276.0 | 326.9 | 235.3 | 318.1 | 187.9 | 168.1 | 238.6 | 207.5 |
| **3025C** | 7.5 | 197.7 | 180.8 | 162.6 | 267.4 | 157.3 | 227.3 | 307.3 | 364.0 | 261.9 | 354.2 | 209.2 | 187.2 | 265.7 | 231.0 |
| **3025D** | 11.0 | 223.8 | 204.6 | 184.0 | 302.6 | 178.0 | 257.2 | 347.8 | 411.9 | 296.5 | 400.8 | 236.8 | 211.9 | 300.7 | 261.4 |
| **3025E** | 15.0 | 243.9 | 223.0 | 200.6 | 329.8 | 194.0 | 280.4 | 379.1 | 449.0 | 323.1 | 436.9 | 258.1 | 230.9 | 327.7 | 284.9 |
| **3025F** | 18.5 | 265.2 | 242.5 | 218.1 | 358.6 | 210.9 | 304.8 | 412.2 | 488.2 | 351.3 | 475.0 | 280.6 | 251.1 | 356.3 | 309.8 |
| **3030A** | 4.0 | 177.6 | 162.4 | 146.1 | 240.1 | 141.3 | 204.1 | 276.0 | 326.9 | 235.3 | 318.1 | 187.9 | 168.1 | 238.6 | 207.5 |
| **3030B** | 5.5 | 197.7 | 180.8 | 162.6 | 267.4 | 157.3 | 227.3 | 307.3 | 364.0 | 261.9 | 354.2 | 209.2 | 187.2 | 265.7 | 231.0 |
| **3030C** | 7.5 | 220.2 | 201.4 | 181.1 | 297.8 | 175.2 | 253.1 | 342.2 | 405.4 | 291.7 | 394.5 | 233.0 | 208.5 | 295.9 | 257.3 |
| **3030D** | 11.0 | 247.5 | 226.3 | 203.5 | 334.6 | 196.8 | 284.4 | 384.6 | 455.5 | 327.8 | 443.2 | 261.8 | 234.3 | 332.5 | 289.1 |
| **3030E** | 15.0 | 275.9 | 252.3 | 226.9 | 373.0 | 219.4 | 317.1 | 428.7 | 507.8 | 365.5 | 494.1 | 291.9 | 261.2 | 370.7 | 322.3 |
| **3030F** | 18.5 | 296.0 | 270.7 | 243.4 | 400.2 | 235.4 | 340.2 | 460.0 | 544.9 | 392.1 | 530.2 | 313.2 | 280.2 | 397.7 | 345.8 |
| **3035A** | 4.0 | 190.6 | 174.3 | 156.8 | 257.8 | 151.6 | 219.1 | 296.2 | 350.9 | 252.5 | 341.4 | 201.7 | 180.5 | 256.1 | 222.7 |
| **3035B** | 5.5 | 210.8 | 192.7 | 173.3 | 285.0 | 167.6 | 242.2 | 327.5 | 388.0 | 279.2 | 377.5 | 223.0 | 199.5 | 283.2 | 246.2 |

# VX-S SERIES QUICK SELECTION TABLE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deg F | HWT | 97 | 97.0 | 97 | 100 | 102 | 102 | 105.0 | 107 | 107 | 110.0 | 112.0 | 95.0 | 98.6 | 98.6 |
| | CWT | 87.0 | 87.0 | 87 | 90 | 87 | 92.0 | 95 | 97 | 97.0 | 100.0 | 97.0 | 85 | 89.6 | 89.6 |
| | WBT | 80.00 | 81.00 | 82.00 | 80.00 | 80.00 | 85.00 | 85.00 | 85.00 | 90.00 | 90.00 | 90.00 | 78.00 | 80.60 | 82.40 |
| Deg C | HWT | 36.1 | 36.1 | 36.1 | 37.8 | 38.9 | 38.9 | 40.6 | 41.7 | 41.7 | 43.3 | 44.4 | 35.0 | 37.0 | 37.0 |
| | CWT | 30.6 | 30.6 | 30.6 | 32.2 | 30.6 | 33.3 | 35.0 | 36.1 | 36.1 | 37.8 | 36.1 | 29.4 | 32.0 | 32.0 |
| | WBT | 26.7 | 27.2 | 27.8 | 26.7 | 26.7 | 29.4 | 29.4 | 29.4 | 32.2 | 32.2 | 32.2 | 25.6 | 27.0 | 28.0 |

| TOWER MODEL VXS | Motor kW | m3/hr | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3035C | 7.5 | 234.5 | 214.4 | 192.8 | 317.0 | 186.5 | 269.5 | 364.3 | 431.6 | 310.6 | 419.9 | 248.0 | 221.9 | 315.0 | 273.9 |
| 3035D | 11.0 | 266.4 | 243.6 | 219.1 | 360.2 | 211.9 | 306.2 | 414.0 | 490.4 | 352.9 | 477.2 | 281.9 | 252.2 | 357.9 | 311.2 |
| 3035E | 15.0 | 298.4 | 272.8 | 245.4 | 403.4 | 237.3 | 343.0 | 463.7 | 549.2 | 395.3 | 534.4 | 315.7 | 282.5 | 400.9 | 348.5 |
| 3035F | 18.5 | 320.9 | 293.4 | 263.9 | 433.9 | 255.2 | 368.8 | 498.7 | 590.7 | 425.1 | 574.7 | 339.5 | 303.8 | 431.1 | 374.8 |
| 3425A | 4.0 | 182.4 | 166.7 | 149.9 | 246.5 | 145.0 | 209.6 | 283.4 | 335.7 | 241.6 | 326.6 | 192.9 | 172.6 | 245.0 | 213.0 |
| 3425B | 5.5 | 202.5 | 185.1 | 166.5 | 273.8 | 161.0 | 232.7 | 314.6 | 372.7 | 268.2 | 362.6 | 214.2 | 191.7 | 272.0 | 236.5 |
| 3425C | 7.5 | 226.2 | 206.8 | 186.0 | 305.8 | 179.9 | 259.9 | 351.5 | 416.3 | 299.6 | 405.1 | 239.3 | 214.1 | 303.8 | 264.2 |
| 3425D | 11.0 | 258.1 | 236.0 | 212.3 | 349.0 | 205.3 | 296.7 | 401.1 | 475.1 | 341.9 | 462.3 | 273.1 | 244.4 | 346.8 | 301.5 |
| 3425E | 15.0 | 287.7 | 263.1 | 236.6 | 389.0 | 228.8 | 330.7 | 447.1 | 529.6 | 381.2 | 515.3 | 304.4 | 272.4 | 386.6 | 336.1 |
| 3425F | 18.5 | 310.2 | 283.7 | 255.1 | 419.4 | 246.7 | 356.6 | 482.1 | 571.0 | 411.0 | 555.6 | 328.2 | 293.7 | 416.8 | 362.4 |
| 3430A | 4.0 | 206.0 | 188.4 | 169.4 | 278.6 | 163.9 | 236.8 | 320.2 | 379.2 | 272.9 | 369.0 | 218.0 | 195.0 | 276.8 | 240.7 |
| 3430B | 5.5 | 229.7 | 210.0 | 188.9 | 310.6 | 182.7 | 264.0 | 357.0 | 422.8 | 304.3 | 411.4 | 243.0 | 217.5 | 308.6 | 268.3 |
| 3430C | 7.5 | 255.8 | 233.9 | 210.3 | 345.8 | 203.4 | 294.0 | 397.5 | 470.8 | 338.8 | 458.1 | 270.6 | 242.1 | 343.6 | 298.7 |
| 3430D | 11.0 | 292.5 | 267.4 | 240.5 | 395.4 | 232.6 | 336.2 | 454.5 | 538.3 | 387.4 | 523.8 | 309.4 | 276.9 | 392.9 | 341.6 |
| 3430E | 15.0 | 320.9 | 293.4 | 263.9 | 433.9 | 255.2 | 368.8 | 498.7 | 590.7 | 425.1 | 574.7 | 339.5 | 303.8 | 431.1 | 374.8 |
| 3430F | 18.5 | 344.6 | 315.1 | 283.3 | 465.9 | 274.0 | 396.0 | 535.5 | 634.2 | 456.4 | 617.1 | 364.5 | 326.2 | 462.9 | 402.5 |
| 3435A | 4.0 | 222.6 | 203.5 | 183.1 | 301.0 | 177.0 | 255.9 | 345.9 | 409.8 | 294.9 | 398.7 | 235.5 | 210.7 | 299.1 | 260.0 |
| 3435B | 5.5 | 247.5 | 226.3 | 203.5 | 334.6 | 196.8 | 284.4 | 384.6 | 455.5 | 327.8 | 443.2 | 261.8 | 234.3 | 332.5 | 289.1 |
| 3435C | 7.5 | 275.9 | 252.3 | 226.9 | 373.0 | 219.4 | 317.1 | 428.7 | 507.8 | 365.5 | 494.1 | 291.9 | 261.2 | 370.7 | 322.3 |
| 3435D | 11.0 | 313.8 | 286.9 | 258.0 | 424.3 | 249.6 | 360.6 | 487.6 | 577.6 | 415.7 | 562.0 | 332.0 | 297.0 | 421.6 | 366.5 |
| 3435E | 15.0 | 350.5 | 320.5 | 288.2 | 473.9 | 278.7 | 402.8 | 544.7 | 645.1 | 464.3 | 627.7 | 370.8 | 331.8 | 470.9 | 409.4 |
| 3435F | 18.5 | 376.6 | 344.3 | 309.6 | 509.1 | 299.5 | 432.8 | 585.1 | 693.1 | 498.8 | 674.4 | 398.4 | 356.5 | 505.9 | 439.8 |

# VX-S SERIES CROSSFLOW COOLING TOWER SPECIFICATION



Gear Reducer Drive System



Make Up Water Line

TRUWATER®

## 1.0 GENERAL
The cooling tower shall be induced-draft vertical discharge type, crossflow, rectangular, film filled, FRP Cooling Tower. It shall be designed with high efficiency drift eliminators to meet current environmental standards and guidelines for microbial control.

## 2.0 CAPACITY
Cooling Tower shall be capable of providing the thermal performance scheduled.

## 3.0 PERFORMANCE WARRANTY
The rated capacity shall be certified by the Cooling Tower Institute (CTI). The cooling tower manufacturer shall guarantee that the tower supplied will meet the specified performance conditions when the tower is installed according to plans.

## 4.0 CONSTRUCTION
The cooling tower main frame structure shall be hot dip galvanized steel (HDG). The casing shall be made from Fibre Reinforced Plastic (FRP).

## 5.0 MECHANICAL EQUIPMENT
5.1. Fan(s) shall be propeller-type, incorporating heavy-duty blades of aluminum alloy. Blades shall be individually adjustable

5.2. The V-belts shall be of rubber with fabric impregnated able to withstand the adverse ambient conditions of 50°C and 100% R.H. The pulleys shall be cast iron with the grooves of standard dimensions. The entire V-belt and pulley set must be fully enclosed in a FRP molded case to protect the V-belts from in contact with the humid discharge air.

5.3. Motor(s) shall be TEFC, weatherproof sq. caged induction type suitable for 3ph/50Hz/415V power supply and with 1450rpm.

## 6.0 FILLS, LOUVERS AND DRIFT ELIMINATORS
6.1. Fill shall be high efficiency film-type, rigid, corrugated PVC sheets with integral louver and drift eliminator that are conducive to cooling tower and UV protected.

6.2. Fills shall be resistance to rot, decay and biological attack with maximum flame-spread rating of 5 according to ASTM E84. Fill module shall be solvent bonded supported from the bottom supporting beam. Hanging fill with structural tubing supported from the upper tower structure shall not be allowed.

6.3. Drift eliminators shall be efficient enough to effectively limit drift loss to 0.005% of the designed flow rate.

## 7.0 HOT WATER DISTRIBUTION SYSTEM
An open basin above the fill bank shall receive hot water piped to each cell of the tower. Water shall enter the basin through a removable splash box. Removable and replaceable polypropylene nozzles installed in the floor of the basin shall provide full coverage of the fill by gravity flow.

## 8.0 COLD WATER BASIN
The cold water basin shall be of FRP and supported on HDG steel framework. The basin shall be designed with sufficient water capacity to avoid air entrainment in the outlet during operating conditions. The basin shall be equipped with suction strainer, make-up ball valve, overflow and drain. For multiple tower arrangement, equalizing pipes between basins shall be provided to maintain the same level of water in each basin.

## 9.0 ACCESS AND SAFETY
Ladder shall be provided for inspection and maintenance purposes. HDG steel fan guard shall be provided over each fan cylinder.



Belt & Pulley Drive System



Inlet Louver

*...providing solution to your cooling needs*

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