FIBREFLOW COOLING TOWERS



Disclaimer

The information or advice contained in this catalogue is intended for use only by persons who have had adequate technical training in the field to which the catalogue relates. The information in this catalogue is a guide only and not to be used for construction. The user should also establish the applicability of the information or advice in relation to any specific circumstances. While the information or advice is believed to be correct the employees and agents disclaim responsibility for any inaccuracies contained within the document including those due to any negligence in the preparation and publication of the catalogue.

Do not use any information contained in this catalogue for construction. Refer to your sales representative for certified weights & dimensions. Data subject to change for product improvement.

All installations must have the motor Variable Frequency Drive controlled.

Contents

Company Profile	4
Counterflow Cooling Towers Induced Draft	
Selection Data	7
Engineering Data	10
Access and Maintenance	12
Selection Data Engineering Data Access and Maintenance Sound Levels	13
Compliance with the Standards	14



Proudly Australian Made and Owned

Company Profile

Fibreflow Cooling Towers was established in response to the demand for a quality HVAC manufacturer in Australia and develop and design composite products and related manufacturing methods. Various production methods include cold pressing heavy section FRP moldings and forming hollow and complex one piece FRP sections.

Our production methods use the best isophthalic, vinyl ester resins, gelcoats and high quality reinforcements. Our products are developed to stand the test of time with the quality, life-cycle and performance that goes above and beyond the expectations of our customers.

With a manufacturing experience of over 25 years in the industry, we have formed an insight as to what is required of our products, thus meeting the market with the best solutions for the application.

Typical applications include cooling tower structures and components, support assemblies, motor mounts and bearing housing mounts in a variety of materials to suit the clients' requirements.

Our range of FRP cooling towers are developed and manufactured right here in Australia. With benefits ranging from low cost of ownership to long service life, high quality materials and virtually no maintenance, we can provide a tailored solution for your application.

Fibreflow Cooling Towers™ Pty Ltd

ABN 82 155 558 268

Head office

Unit 6/36 Blanck Street,

Ormeau QLD 4208

Manufacturing Plant
19 Mayfair Close
Morisset NSW 2264





<u>CTCF</u> - F - <u>080</u> - <u>A</u>

1 2 3 4

1. Open Cooling towers

CT Cooling Tower

CF Counterflow Axial

2. Material Of Construction

F Fibreglass Polyester Resin

S Steel

3. Total Heat Rejection

THR in Kw for a water flow at 35/29.5/24

4. Series

Model series



COUNTERFLOW COOLING TOWERS - Induced Draft



Cooling Towers are an open system design. The principle of operation is the same however cooling towers can be arranged differently. There are two basic types of tower; Crossflow and Counterflow.

Counterflow design is when the water travels vertically downwards over the cooling media and the air travels vertically upwards over the media. Fibreflow Cooling Towers[™] manufactures a large range of sizes and capacities to suit each individual application.

Range available in Fiberglass, Stainless Steel and Mild Steel.

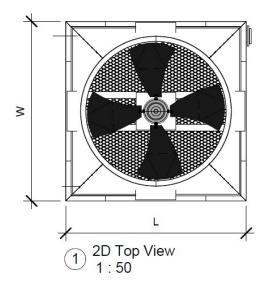
Counterflow Cooling Towers Quick Selection — CTCF Model

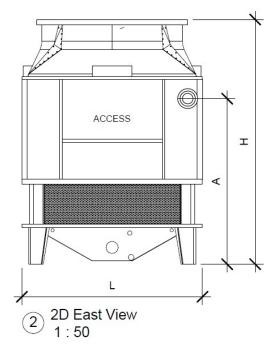
Hot Water		35	35	35	35	35	35	
Cold Water		29.5	29.5	29.5	29.5	29.5	29.5	
Wet Bulb		22	23	24	25	26	27	
Model Number	Box Size	Water Flow in litres per second						
008	3 x 3	5	4	4	3	3	2	
010	3 x 3	6	5	5	4	4	2	
020	4 x 4	11	10	9	8	7	6	
023	4 x 4	12	11	10	9	8	6	
024	6 x 4	13	12	11	10	8	7	
028	6 x 4	15	14	13	11	10	8	
034	6 x 4	18	17	15	14	12	10	
025	5 x 5	17	16	14	12	10	8	
038	5 x 5	20	18	17	15	13	11	
042	5 x 5	22	20	18	16	14	12	
043	5 x 5	22	21	19	17	15	13	
044	9 x 4	23	2	19	17	14	12	
048	9 x 4	26	24	21	19	16	14	
059	9 x 4	31	29	26	23	20	19	
062	9 x 4	32	30	27	25	22	19	
032	6 x 6	22	20	19	17	14	11	
049	6 x 6	26	24	22	19	17	14	
051	6 x 6	27	25	23	20	18	16	
055	6 x 8	29	27	24	21	18	17	
063	6 x 8	32	30	27	24	20	19	
074	6 x 8	37	34	32	28	25	23	
083	6 x 8	42	39	36	32	28	26	

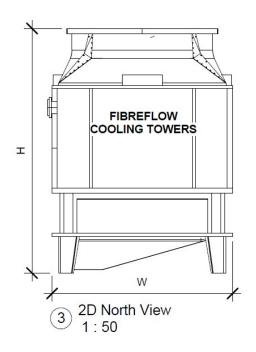
Counterflow Cooling Towers Quick Selection Data - CTCF Model

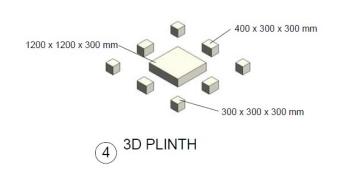
HotWater									
Wet Builb 22 23 24 25 25.5 26 27 Model Number Box Size Water Flow in litres per second 70A 8 x 8 37 34 30 27 25 23 19 78A 8 x 8 41 37 34 30 28 26 22 91A 8 x 8 47 43 39 35 33 31 27 98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 116A 10 x 10 55 50	Hot Water		35	35	35	35	35	35	35
Model Number Box Size Water Flow in litres per second 70A 8 x 8 37 34 30 27 25 23 19 78A 8 x 8 41 37 34 30 28 26 22 91A 8 x 8 47 43 39 35 33 31 27 98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61	Cold Water		29.5	29.5	29.5	29.5	29.5	29.5	29.5
70A 8 x 8 37 34 30 27 25 23 19 78A 8 x 8 41 37 34 30 28 26 22 91A 8 x 8 47 43 39 35 33 31 27 98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33	Wet Bulb		22	23	24	25	25.5	26	27
78A 8 x 8 41 37 34 30 28 26 22 91A 8 x 8 47 43 39 35 33 31 27 98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 <td>Model Number</td> <td>Box Size</td> <td></td> <td>,</td> <td>Water Flow</td> <td>in litres pe</td> <td>r second</td> <td></td> <td></td>	Model Number	Box Size		,	Water Flow	in litres pe	r second		
91A 8 x 8 47 43 39 35 33 31 27 98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 1104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60	70A	8 x 8	37	34	30	27	25	23	19
98A 8 x 8 51 47 43 38 35 33 28 86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 44 41 37	78A	8 x 8	41	37	34	30	28	26	22
86A 8 x 10 45 41 37 33 31 28 24 102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 100 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	91A	8 x 8	47	43	39	35	33	31	27
102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 44 41 37 32 127A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 <td>98A</td> <td>8 x 8</td> <td>51</td> <td>47</td> <td>43</td> <td>38</td> <td>35</td> <td>33</td> <td>28</td>	98A	8 x 8	51	47	43	38	35	33	28
102A 8 x 10 53 49 44 40 37 35 30 110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 <td>004</td> <td>0 - 10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	004	0 - 10							
110A 8 x 10 57 53 47 42 39 36 31 130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
130A 8 x 10 66 61 56 50 47 44 39 104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60									
104A 10 x 10 55 50 45 40 37 34 29 116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74				53				36	
116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 <t< td=""><td>130A</td><td>8 x 10</td><td>66</td><td>61</td><td>56</td><td>50</td><td>47</td><td>44</td><td>39</td></t<>	130A	8 x 10	66	61	56	50	47	44	39
116A 10 x 10 61 56 50 45 41 38 33 132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 <t< td=""><td>104Α</td><td>10 x 10</td><td>55</td><td>50</td><td>15</td><td>40</td><td>37</td><td>3/1</td><td>20</td></t<>	104Α	10 x 10	55	50	15	40	37	3/1	20
132A 10 x 10 69 63 57 51 47 44 38 154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
154A 10 x 10 79 73 67 60 56 53 47 114A 10 x 12 60 55 49 44 41 37 32 127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 102 94 86 77 72 67 60									
114A									
127A 10 x 12 66 61 55 49 45 42 36 145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72	134A	10 X 10	79	/3	67	60	50	55	47
145A 10 x 12 76 69 63 55 52 48 42 170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88	114A	10 x 12	60	55	49	44	41	37	32
170A 10 x 12 87 81 74 66 62 58 52 169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	127A	10 x 12	66	61	55	49	45	42	36
169A 12 x 12 79 73 73 58 54 50 44 182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	145A	10 x 12	76	69	63	55	52	48	42
182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	170A	10 x 12	87	81	74	66	62	58	52
182A 12 x 12 93 86 79 71 67 62 55 201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74									
201A 12 x 12 103 95 87 78 74 69 62 205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74									44
205A 12 x 12 107 99 89 79 74 68 61 215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74			93	86	79	71	67	62	55
215A 12 x 12 110 102 93 84 79 74 66 227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74			103	95	87	78	74	69	62
227A 12 x 12 116 108 99 89 84 78 70 174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	205A	12 x 12	107	99	89	79	74	68	61
174A 12 x 14 90 83 76 68 64 59 53 198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	215A	12 x 12	110	102	93	84	79	74	66
198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	227A	12 x 12	116	108	99	89	84	78	70
198A 12 x 14 102 94 86 77 72 67 60 248A 12 x 14 120 111 102 93 88 82 74	174Δ	12 v 1/I	90	Qo	76	60	64	50	52
248A 12 x 14 120 111 102 93 88 82 74									
255A 12 X 14 127 118 108 98 93 87 59									
	255A	12 x 14	127	118	108	98	93	87	59

COUNTERFLOW INDUCED TOWER









COUNTERFLOW COOLING TOWERS - Induced Draft



Counterflow Cooling Tower Engineering Data— CTCF Model

_		Width	Height	_		Full				_
Tower Model	L	W	Н	Fan Diameter	Motor Size	Load Current	Airflow	Inlet/Outlet Diameter	Shipping Weight	Operating Weight
CTCF	mm	mm	mm	mm	kW	Amps	m3/sec	mm	kg	kg
008	1150	1150	3200	610	1.5	3.8	1.91	80	159	363
010	1150	1150	3200	610	3	6.4	2.39	80	161	365
020	1450	1450	3200	1000	1.5	3.7	4.76	80	265	605
023	1450	1450	3200	1000	2.2	5.1	5.35	80	269	609
024	2100	1450	3600	1000	1.5	3.7	5.9	100	187	777
028	2100	1450	3600	1000	2.2	5.1	6.67	100	191	781
034	2100	1450	3600	1000	3	8.5	8.03	100	210	800
025	1800	1800	3600	1220	2.2	5.1	8.14	100	199	814
038	1800	1800	3600	1220	3	8.5	8.74	100	250	910
042	1800	1800	3600	1220	4	11	9.6	100	275	935
043	1800	1800	3600	1220	5.5	11	8.89	100	307	1012
044	3000	1450	3600	2 x 1000	2 x 1.5	2 x 3.7	5.07	100	660	1413
048	3000	1450	3600	2 x 1000	2 x 2.2	2 x 5.1	5.71	100	668	1421
059	3000	1450	3600	2 x 1000	2 x 3.0	2 x 8.5	6.85	100	706	1459
062	3000	1450	3600	2 x 1000	2 x 4.0	2 x 8.5	6.4	100	752	1570
032	2100	2100	3600	1500	2.2	5.1	10.59	150	585	1240
049	2100	2100	3600	1500	3	8.5	11.47	150	650	1370
051	2100	2100	3600	1500	4	8.5	10.66	150	696	1481
057	2100	2100	3600	1500	5.5	11	11.74	150	721	1506

NOTE: Do not use for construction. Refer to your sales representative for certified weights & dimensions. Data subject to change for product improvement. All installations must have the motor Variable Frequency Drive controlled.

Counterflow Cooling Tower Engineering Data— CTCF Model

T	Length	Width	Height	F		Full	A ! of ! a see	1-1-1/0-41-1	Ob land in a	0
Tower Model	L	W	Н	Fan Diameter	Motor Size	Load Curren t	Airflow m3/sec	Inlet/Outlet Diameter	Shipping Weight	Operating Weight
063	2700	2100	3800	1500	4.0	11	14.83	150	875	2625
074	2700	2100	3800	1500	5.5	15.8	15.27	150	943	2780
083	2700	2100	3800	1500	7.5	22.6	17.14	150	988	2825
070	2700	2700	3800	1829	4	7.9	16.7	150	900	2750
078	2700	2700	3800	1829	5.5	10.5	18.47	150	927	2777
091	2700	2700	3800	1829	7.5	13.9	18.97	150	1021	2987
098	2700	2700	3800	1829	11	21	22.85	150	985	2835
000	2200	2700	4000	4000	4.0	40.5	00.00	200	4400	2050
086	3300		4200	1829	4.0	10.5	20.68	200	1100	3250
102 110	3300 3300	2700 2700	4200 4200	1829 1829	5.5 7.5	13.9 21	21.45 25.73	200	1214 1158	3509 3308
130	3300	2700	4200	1829	11	27	26.57	200	1275	3570
130	3300	2700	4200	1029	11	21	20.57	200	1273	3370
104	3300	3300	4500	2440	5.5	10.5	25.02	200	1100	3250
116	3300	3300	4500	2440	7.5	13.9	27.61	200	1112	3262
132	3300	3300	4500	2440	11	21	31.12	200	1158	3308
154	3300	3300	4500	2440	15	27	31.92	200	1301	3632
114	3900	3300	4500	2440	5.5	10.5	27.51	200	1388	3888
127	3900	3300	4500	2440	7.5	13.9	30.4	200	1400	3900
145	3900	3300	4500	2440	11	21	34.33	200	1446	3946
170	3900	3300	4500	2440	15	27	35.46	200	1614	4332
169	3900	3900	4500	3048	7.5	13.9	36.21	250	1450	5050
182	3900	3900	4500	3048	11	21	38.06	250	1680	5541
201	3900	3900	4500	3048	15	27	41.91	250	1695	5556
205	3900	3900	4500	3048	18.5	32	47.99	250	1546	5146
215	3900	3900	4500	3048	18.5	32	44.68	250	1730	5591
227	3900	3900	4500	3048	22	38	47.08	250	1750	5611
174	4550	3900	5200	3353	7.5	13.9	36.8	250	2439	7074
198	4550	3900	5200	3353	11	21	41.6	250	2485	7120
248	4550	3900	5200	3353	18.5	32	46.25	250	2749	7689
255	4550	3900	5200	3353	22	38	48.78	250	2769	7709

Access & Maintenance



HEALTH AND SAFETY

Fibreflow Cooling Towers recommends local government regulations with regards to health and safety are complied to fully.

WORKING PLATFORMS

Fibreflow Cooling Towers offers a full range of working platforms with access ladders, low level and high level, multiple cell platforms and movable working platforms.

CONFIGURATION

Standard configurations are available as shown, as well as custom-made to suit a specific location.

MATERIALS

Material including hot dipped galvanized steel, aluminium, stainless steel and fibreglass.

CRANE MOUNTING

Davit cranes mounted on platforms for motor removal are also available as shown.



Cooling Towers - Sound Power Levels

The noise that humans hear covers a frequency from 20Hz to 10,000Hz. There are exceptions, however these levels have become accepted for most practical purposes. This audio band has been divided into eight bands called "octave bands".

The noise of cooling towers is controlled by many contributing factors such as layout, adjacent structures, variable speed drives etc.

Low noise options are available. Consult your representative for further assistance.

All installations must have the motor Variable Frequency Drive controlled.



Compliance with the Standards

COMPLIANCE WITH STANDARDS

Fibreflow Cooling Towers are designed and constructed to meet the following standards:

»» AS3666 - Air Handling and Water Systems of Buildings - Microbial Control

»» AS4180.1 - Drift Test

»» AS1170 - Wind Loads

»» AS1657 - Code for platforms, ladders, stairways and walkways

»» AS3500 - Australian Plumbing Code

»» CTI STD 136 - PVC materials for use with fill, louvres and drift eliminators

PERFORMANCE GUARANTEE

- »» Fibreflow Cooling Towers guarantee the THERMAL PERFORMANCE of our cooling towers
- »» The performance evaluation is taken as per CTI Test Code ATC 105
- »» The thermal performance guaranteed is that submitted in the technical data on which the purchase order was based in free field conditions unless otherwise stated.

All installations must have the motor Variable Frequency Drive

FIBREFLOW COOLING TOWERS PTY LTD

ABN 82 155 558 268

Manufacturing Plant
19 Mayfair Close Morisset NSW 2264 Australia

Head Office
PO Box 219
6/36 Blanck Street
Ormeau Qld 4208 Australia

Phone: 1300 784 093

Mobile: 0419710417

Web: www.fct.net.au

Email: info@fct.net.au



Australian Made & Owned