

# wakefield-vette

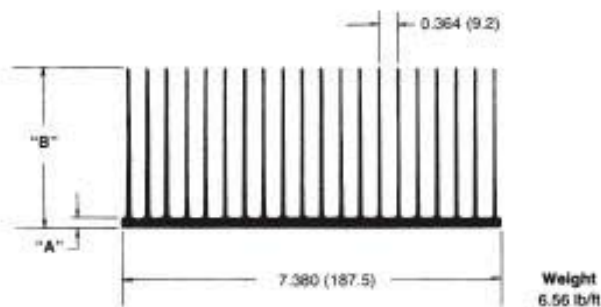
| Standard Catalog P/N <sup>(1)</sup> |                               | Base Width<br>in. (mm) | Length<br>in. (mm) | Height                                                 |                                                           | Thermal Resistance <sup>(3)</sup><br>( $\theta_{sa}$ ) at Typical Load |                                                      |
|-------------------------------------|-------------------------------|------------------------|--------------------|--------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------|
| Milled Base <sup>(1)</sup>          | Nonmilled Base <sup>(2)</sup> |                        |                    | Milled Base <sup>(1)</sup><br>("M Series")<br>in. (mm) | Nonmilled Base <sup>(2)</sup><br>("U" Series)<br>in. (mm) | Natural Convection <sup>(3)</sup><br>(°C/W)                            | Forced Convection <sup>(4)</sup><br>(°C/W @ 100 CFM) |
| 510-3M                              | 510-3U                        | 7.380 (187.452)        | 3.000 (76.2)       | 3.106 (78.9)                                           | 3.136 (79.7)                                              | 0.56                                                                   | 0.088                                                |
| 510-6M                              | 510-6U                        | 7.380 (187.452)        | 6.000 (152.4)      | 3.106 (78.9)                                           | 3.136 (79.7)                                              | 0.38                                                                   | 0.070                                                |
| 510-9M                              | 510-9U                        | 7.380 (187.452)        | 9.000 (228.6)      | 3.106 (78.9)                                           | 3.136 (79.7)                                              | 0.29                                                                   | 0.066                                                |
| 510-12M                             | 510-12U                       | 7.380 (187.452)        | 12.000 (304.8)     | 3.106 (78.9)                                           | 3.136 (79.7)                                              | 0.24                                                                   | 0.062                                                |
| 510-14M                             | 510-14U                       | 7.380 (187.452)        | 14.000 (355.6)     | 3.106 (78.9)                                           | 3.136 (79.7)                                              | 0.21                                                                   | 0.059                                                |
| 511-3M                              | 511-3U                        | 5.210 (132.33)         | 3.000 (76.2)       | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.90                                                                   | 0.120                                                |
| 511-6M                              | 511-6U                        | 5.210 (132.33)         | 6.000 (152.4)      | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.65                                                                   | 0.068                                                |
| 511-9M                              | 511-9U                        | 5.210 (132.33)         | 9.000 (228.6)      | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.56                                                                   | 0.060                                                |
| 511-12M                             | 511-12U                       | 5.210 (132.33)         | 12.000 (304.8)     | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.45                                                                   | 0.045                                                |
| 512-3M                              | 512-3U                        | 7.200 (182.88)         | 3.000 (76.2)       | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.90                                                                   | 0.120                                                |
| 512-6M                              | 512-6U                        | 7.200 (182.88)         | 6.000 (152.4)      | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.65                                                                   | 0.068                                                |
| 512-9M                              | 512-9U                        | 7.200 (182.88)         | 9.000 (228.6)      | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.56                                                                   | 0.060                                                |
| 512-12M                             | 512-12U                       | 7.200 (182.88)         | 12.000 (304.8)     | 2.350 (59.7)                                           | 2.410 (61.2)                                              | 0.45                                                                   | 0.045                                                |

## MECHANICAL DIMENSIONS

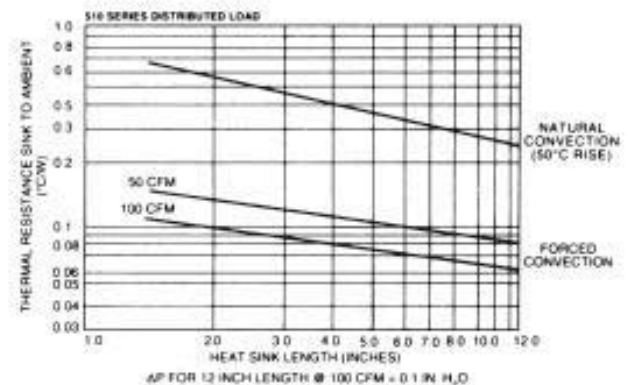
### 510 SERIES

### 510 Series (Extrusion Profile 5113)

| Series | A (MIN)     | B            | Flatness                   |
|--------|-------------|--------------|----------------------------|
| 510-U  | 0.216 (5.5) | 3.136 (79.7) | 0.006 in./in. (0.15 mm/mm) |
| 510-M  | 0.165 (4.2) | 3.106 (78.9) | 0.002 in./in. (0.05 mm/mm) |



## NATURAL AND FORCED CONVECTION CHARACTERISTICS



### 511 AND 512 SERIES

### 511 Series (Extrusion Profile 6438-1) 512 Series (Extrusion Profile 6438-2)

| Series      | A           | B            | C           | Flatness                   |
|-------------|-------------|--------------|-------------|----------------------------|
| 511-U 512-U | 0.250 (6.4) | 2.410 (61.2) | 0.372 (9.4) | 0.006 in./in. (0.15 mm/mm) |
| 511-M 512-M | 0.220 (5.6) | 2.350 (59.7) | 0.342 (8.7) | 0.002 in./in. (0.05 mm/mm) |

