

# SUBMITTAL DATA: PANEL RADIATOR

BMSD-PR-3

## STANDARD FEATURES

- BTU Range 1,472 – 18,355
- Bottom Supply / Return Connection
- Reversible Radiator (Type 21/22/33 only)
- Top Grille & Side Panels
- Four Side connections
- Thermostatic Head Valve Insert (Shipped Loose)
- 10 Year Warranty
- Pretreated Steel with Powder Coated White Finish
- Optimal Corrosion Resistance
- Max Working Pressure 145 PSI
- Max Operating Temperature 200°F
- High Scratch and Impact Resistance
- Multiple Connections for Ease of Installation
  - (2) Bottom Connections 3/4"
  - (4) Side Connections 1/2"



## SPECIFICATIONS

| Type | Part Number     | Depth | Dimensions (HxL)   |            | Output (BTU) @120°F | Output (BTU) @140°F | Output (BTU) @160°F | Output (BTU) @180°F | Weight (lbs) | Water Content (gal) | Equivalent Baseboard @180°F (ft) |
|------|-----------------|-------|--------------------|------------|---------------------|---------------------|---------------------|---------------------|--------------|---------------------|----------------------------------|
|      |                 |       | In.                | mm         |                     |                     |                     |                     |              |                     |                                  |
| 11   | 5136U1150040100 | 2-3/4 | 19 11/16 x 15 3/4  | 500 x 400  | 506                 | 810                 | 1,139               | 1,472               | 13           | 0.29                | 3                                |
|      | 5136U1150060100 |       | 19 11/16 x 23 5/8  | 500 x 600  | 758                 | 1,215               | 1,708               | 2,207               | 18           | 0.44                | 4                                |
|      | 5136U1150070100 |       | 19 11/16 x 27 9/16 | 500 x 700  | 887                 | 1,419               | 1,991               | 2,575               | 22           | 0.5                 | 5                                |
|      | 5136U1150090100 |       | 19 11/16 x 35 7/16 | 500 x 900  | 1,140               | 1,824               | 2,560               | 3,311               | 26           | 0.66                | 6                                |
|      | 5136U1150100100 |       | 19 11/16 x 39 3/8  | 500 x 1000 | 1,268               | 2,024               | 2,847               | 3,678               | 29           | 0.73                | 7                                |
|      | 5136U1160060100 |       | 23 5/8 x 23 5/8    | 600 x 600  | 922                 | 1,490               | 2,093               | 2,731               | 22           | 0.52                | 5                                |
|      | 5136U1160070100 |       | 23 5/8 x 27 9/16   | 600 x 700  | 1,081               | 1,737               | 2,444               | 3,189               | 24           | 0.6                 | 6                                |
|      | 5136U1160090100 |       | 23 5/8 x 35 7/16   | 600 x 900  | 1,389               | 2,237               | 3,145               | 4,104               | 31           | 0.76                | 8                                |
| 21   | 5136U2640040000 | 2-7/8 | 15 3/4 x 15 3/4    | 400 x 400  | 583                 | 927                 | 1,280               | 1,654               | 15           | 0.47                | 3                                |
|      | 5136U2640060000 |       | 15 3/4 x 23 5/8    | 400 x 600  | 875                 | 1,391               | 1,921               | 2,484               | 22           | 0.71                | 5                                |
|      | 5136U2640070000 |       | 15 3/4 x 27 9/16   | 400 x 700  | 1,019               | 1,622               | 2,239               | 2,895               | 26           | 0.84                | 6                                |
|      | 5136U2640090000 |       | 15 3/4 x 35 7/16   | 400 x 900  | 1,311               | 2,083               | 2,879               | 3,726               | 33           | 1.08                | 7                                |
|      | 5136U2640100000 |       | 15 3/4 x 39 3/8    | 400 x 1000 | 1,454               | 2,313               | 3,197               | 4,138               | 37           | 1.18                | 8                                |
|      | 5136U2640120000 |       | 15 3/4 x 47 1/4    | 400 x 1200 | 1,749               | 2,778               | 3,841               | 4,968               | 44           | 1.42                | 9                                |
|      | 5136U2640140000 |       | 15 3/4 x 55 1/8    | 400 x 1400 | 2,038               | 3,239               | 4,477               | 5,775               | 51           | 1.66                | 10                               |
|      | 5136U2640180000 |       | 15 3/4 x 70 7/8    | 400 x 1800 | 2,621               | 4,166               | 5,755               | 7,448               | 64           | 2.16                | 13                               |
|      | 5136U2650040000 |       | 19 11/16 x 15 3/4  | 500 x 400  | 699                 | 1,114               | 1,558               | 2,002               | 20           | 0.58                | 4                                |
|      | 5136U2650060000 |       | 19 11/16 x 23 5/8  | 500 x 600  | 1,047               | 1,674               | 2,340               | 3,009               | 29           | 0.87                | 6                                |
|      | 5136U2650070000 |       | 19 11/16 x 27 9/16 | 500 x 700  | 1,223               | 1,951               | 2,730               | 3,507               | 33           | 1.03                | 7                                |
|      | 5136U2650090000 |       | 19 11/16 x 35 7/16 | 500 x 900  | 1,570               | 2,507               | 3,508               | 4,511               | 41           | 1.32                | 8                                |
|      | 5136U2650100000 |       | 19 11/16 x 39 3/8  | 500 x 1000 | 1,762               | 2,814               | 3,935               | 5,013               | 46           | 1.45                | 9                                |
|      | 5136U2650140000 |       | 19 11/16 x 55 1/8  | 500 x 1400 | 2,468               | 3,935               | 5,508               | 6,980               | 53           | 1.58                | 13                               |
|      | 5136U2650180000 |       | 19 11/16 x 70 7/8  | 500 x 1800 | 3,173               | 5,064               | 7,085               | 9,022               | 82           | 2.61                | 16                               |
|      | 5136U2660040000 |       | 23 5/8 x 15 3/4    | 600 x 400  | 817                 | 1,303               | 1,826               | 2,322               | 24           | 0.68                | 5                                |
|      | 5136U2660060000 |       | 23 5/8 x 23 5/8    | 600 x 600  | 1,226               | 1,955               | 2,734               | 3,533               | 33           | 1.03                | 7                                |
|      | 5136U2660070000 |       | 23 5/8 x 27 9/16   | 600 x 700  | 1,431               | 2,280               | 3,192               | 4,120               | 40           | 1.21                | 8                                |
|      | 5136U2660090000 |       | 23 5/8 x 35 7/16   | 600 x 900  | 1,840               | 2,935               | 4,106               | 5,302               | 49           | 1.55                | 10                               |
|      | 5136U2660100000 |       | 23 5/8 x 39 3/8    | 600 x 1000 | 2,043               | 3,257               | 4,559               | 5,887               | 55           | 1.71                | 11                               |
|      | 5136U2660120000 |       | 23 5/8 x 47 1/4    | 600 x 1200 | 2,449               | 3,908               | 5,471               | 7,064               | 66           | 2.06                | 13                               |
|      | 5136U2660140000 |       | 23 5/8 x 55 1/8    | 600 x 1400 | 2,861               | 4,564               | 6,386               | 8,206               | 77           | 2.38                | 15                               |



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PROJECT: \_\_\_\_\_ DATE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_

FOR:  Reference  Approval  Construction

UNIT DESIGNATION: \_\_\_\_\_

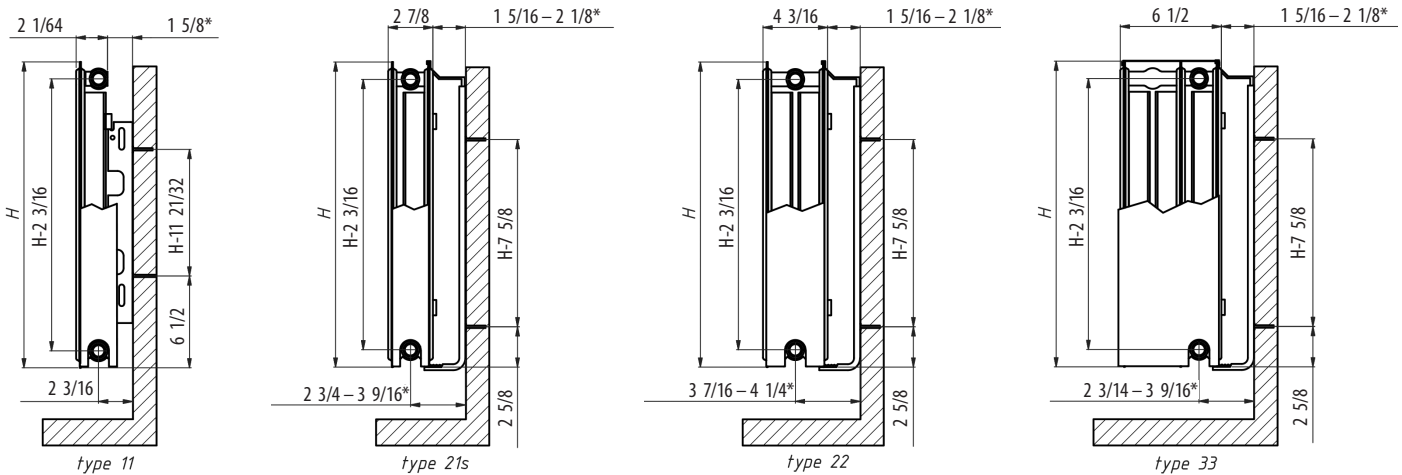
SCHEDULE NUMBER: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)**

| Type            | Part Number     | Depth             | Dimensions (HxL)   |            | Output (BTU) @120°F | Output (BTU) @140°F | Output (BTU) @160°F | Output (BTU) @180°F | Weight (lbs) | Water Content (gal) | Equivalent Baseboard @180°F (ft) |      |    |
|-----------------|-----------------|-------------------|--------------------|------------|---------------------|---------------------|---------------------|---------------------|--------------|---------------------|----------------------------------|------|----|
|                 |                 |                   | In.                | mm         |                     |                     |                     |                     |              |                     |                                  |      |    |
| 22              | 5136U2230060000 | 4-1/8             | 11 13/16 x 23 5/8  | 300 x 600  | 825                 | 1,309               | 1,824               | 2,358               | 20           | 0.55                | 5                                |      |    |
|                 | 5136U2230070000 |                   | 11 13/16 x 27 9/16 | 300 x 700  | 962                 | 1,526               | 2,130               | 2,750               | 24           | 0.66                | 6                                |      |    |
|                 | 5136U2230090000 |                   | 11 13/16 x 35 7/16 | 300 x 900  | 1,237               | 1,966               | 2,739               | 3,542               | 29           | 0.84                | 7                                |      |    |
|                 | 5136U2230100000 |                   | 11 13/16 x 39 3/8  | 300 x 1000 | 1,375               | 2,182               | 3,042               | 3,934               | 33           | 0.95                | 8                                |      |    |
|                 | 5136U2230120000 |                   | 11 13/16 x 47 1/4  | 300 x 1200 | 1,649               | 2,619               | 3,651               | 4,719               | 37           | 1.13                | 9                                |      |    |
|                 | 5136U2230130000 |                   | 11 13/16 x 51 3/16 | 300 x 1300 | 1,787               | 2,839               | 3,958               | 5,115               | 42           | 1.24                | 10                               |      |    |
|                 | 5136U2230140000 |                   | 11 13/16 x 55 1/8  | 300 x 1400 | 1,924               | 3,056               | 4,260               | 5,491               | 48           | 1.37                | 11                               |      |    |
|                 | 5136U2230180000 |                   | 11 13/16 x 70 7/8  | 300 x 1800 | 2,474               | 3,932               | 5,478               | 7,084               | 57           | 1.69                | 13                               |      |    |
|                 | 5136U2240040000 |                   | 15 3/4 x 15 3/4    | 400 x 400  | 712                 | 1,132               | 1,583               | 2,013               | 18           | 0.47                | 4                                |      |    |
|                 | 5136U2240060000 |                   | 15 3/4 x 23 5/8    | 400 x 600  | 1,065               | 1,696               | 2,374               | 3,016               | 26           | 0.71                | 6                                |      |    |
|                 | 5136U2240070000 |                   | 15 3/4 x 27 9/16   | 400 x 700  | 1,242               | 1,978               | 2,767               | 3,518               | 31           | 0.84                | 7                                |      |    |
|                 | 5136U2240090000 |                   | 15 3/4 x 35 7/16   | 400 x 900  | 1,595               | 2,546               | 3,559               | 4,524               | 40           | 1.08                | 8                                |      |    |
|                 | 5136U2240100000 |                   | 15 3/4 x 39 3/8    | 400 x 1000 | 1,777               | 2,828               | 3,957               | 5,026               | 42           | 1.18                | 9                                |      |    |
|                 | 5136U2240120000 |                   | 15 3/4 x 47 1/4    | 400 x 1200 | 2,130               | 3,396               | 4,744               | 6,029               | 51           | 1.42                | 11                               |      |    |
|                 | 5136U2240140000 |                   | 15 3/4 x 55 1/8    | 400 x 1400 | 2,484               | 3,960               | 5,539               | 7,006               | 60           | 1.67                | 13                               |      |    |
|                 | 5136U2240180000 |                   | 15 3/4 x 70 7/8    | 400 x 1800 | 3,195               | 5,096               | 7,122               | 9,049               | 75           | 2.16                | 16                               |      |    |
|                 | 5136U2250040000 |                   | 19 11/16 x 15 3/4  | 500 x 400  | 911                 | 1,458               | 2,038               | 2,620               | 22           | 0.58                | 5                                |      |    |
|                 | 5136U2250060000 |                   | 19 11/16 x 23 5/8  | 500 x 600  | 1,365               | 2,182               | 3,053               | 3,925               | 33           | 0.87                | 7                                |      |    |
|                 | 5136U2250070000 |                   | 19 11/16 x 27 9/16 | 500 x 700  | 1,593               | 2,545               | 3,560               | 4,580               | 37           | 1.03                | 8                                |      |    |
|                 | 5136U2250090000 |                   | 19 11/16 x 35 7/16 | 500 x 900  | 2,048               | 3,274               | 4,579               | 5,889               | 49           | 1.32                | 11                               |      |    |
|                 | 5136U2250100000 |                   | 19 11/16 x 39 3/8  | 500 x 1000 | 2,279               | 3,636               | 5,090               | 6,545               | 53           | 1.45                | 12                               |      |    |
|                 | 5136U2260040000 |                   | 23 5/8 x 15 3/4    | 600 x 400  | 1,088               | 1,744               | 2,448               | 3,184               | 26           | 0.68                | 6                                |      |    |
|                 | 5136U2260060000 |                   | 23 5/8 x 23 5/8    | 600 x 600  | 1,633               | 2,615               | 3,673               | 4,781               | 40           | 1.03                | 9                                |      |    |
|                 | 5136U2260070000 |                   | 23 5/8 x 27 9/16   | 600 x 700  | 1,904               | 3,050               | 4,285               | 5,575               | 46           | 1.21                | 10                               |      |    |
|                 | 5136U2260090000 |                   | 23 5/8 x 35 7/16   | 600 x 900  | 2,449               | 3,991               | 5,605               | 7,172               | 57           | 1.55                | 13                               |      |    |
|                 | 5136U2260100000 |                   | 23 5/8 x 39 3/8    | 600 x 1000 | 2,766               | 4,434               | 6,228               | 7,965               | 64           | 1.71                | 14                               |      |    |
|                 | 5136U2260120000 |                   | 23 5/8 x 47 1/4    | 600 x 1200 | 3,319               | 5,323               | 7,474               | 9,562               | 75           | 2.06                | 17                               |      |    |
|                 | 5136U2260140000 |                   | 23 5/8 x 55 1/8    | 600 x 1400 | 3,868               | 6,208               | 8,719               | 11,083              | 86           | 2.41                | 20                               |      |    |
|                 | 5136U2260180000 |                   | 23 5/8 x 70 7/8    | 600 x 1800 | 4,976               | 7,979               | 11,206              | 14,335              | 112          | 3.09                | 25                               |      |    |
|                 | 33              |                   | 5136U3350060000    | 6-1/2      | 19 11/16 x 23 5/8   | 500 x 600           | 1,743               | 2,767               | 3,929        | 5,132               | 49                               | 1.32 | 9  |
|                 |                 |                   | 5136U3350070000    |            | 19 11/16 x 27 9/16  | 500 x 700           | 2,035               | 3,226               | 4,587        | 5,988               | 57                               | 1.53 | 11 |
|                 |                 |                   | 5136U3350090000    |            | 19 11/16 x 35 7/16  | 500 x 900           | 2,615               | 4,146               | 5,893        | 7,694               | 73                               | 1.98 | 14 |
| 5136U3350100000 |                 | 19 11/16 x 39 3/8 | 500 x 1000         |            | 2,903               | 4,608               | 6,548               | 8,551               | 79           | 2.19                | 15                               |      |    |
| 5136U3360060000 |                 | 23 5/8 x 23 5/8   | 600 x 600          |            | 2,147               | 3,424               | 4,785               | 6,117               | 60           | 1.55                | 11                               |      |    |
| 5136U3360090000 |                 | 23 5/8 x 35 7/16  | 600 x 900          |            | 3,221               | 5,138               | 7,184               | 9,177               | 86           | 2.32                | 16                               |      |    |
| 5136U3360100000 |                 | 23 5/8 x 39 3/8   | 600 x 1000         |            | 3,577               | 5,705               | 7,979               | 10,199              | 95           | 2.58                | 18                               |      |    |
| 5136U3360120000 |                 | 23 5/8 x 47 1/4   | 600 x 1200         |            | 4,293               | 6,847               | 9,577               | 12,237              | 115          | 3.09                | 22                               |      |    |
| 5136U3360140000 |                 | 23 5/8 x 55 1/8   | 600 x 1400         |            | 5,011               | 7,990               | 11,172              | 14,213              | 135          | 3.60                | 25                               |      |    |
| 5136U3360180000 |                 | 23 5/8 x 70 7/8   | 600 x 1800         |            | 6,441               | 10,271              | 14,363              | 18,355              | 170          | 4.64                | 32                               |      |    |

**DIMENSIONAL DRAWINGS**

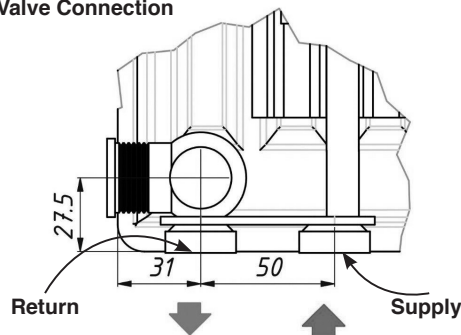
**Overall Dimensions**



\*Distance from wall will vary depending upon placement of radiator on bracket. Brackets depth is adjustable.

H = Height of Radiator (12"/16"/20"/24")

**Valve Connection**



**Dimensions (Valve Connection)**

| mm   | inches  |
|------|---------|
| 27.5 | 1-1/16  |
| 31   | 1-1/4   |
| 50   | 1-15/16 |

NOTE: Connections can be made at the bottom right or left of the Type 21, 22, and 33. Type 11 radiators have right side connections only.