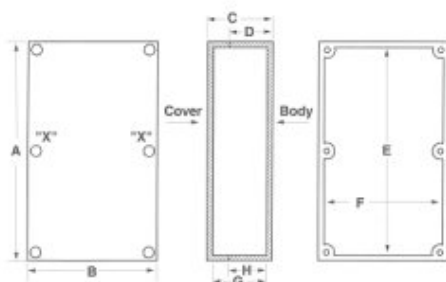


# NBF-SERIES NEMA ECONOMY ENCLOSURES



**Part Number and Product Details on Page 3-4**

## Ordering Information

- All items priced, sold and packaged in quantities of one
- Available beginning June 1, 2010
- Contact the factory for modified versions

## Obsolete Product Replacement Suggestions

| Obsolete Part Number | Suggested Replacement Part | Obsolete Part Number | Suggested Replacement Part | Obsolete Part Number | Suggested Replacement Part | Obsolete Part Number | Suggested Replacement Part |
|----------------------|----------------------------|----------------------|----------------------------|----------------------|----------------------------|----------------------|----------------------------|
| NBB-10220            | NBF-32102                  | NBB-10231            | NBF-32204                  | NBB-15258            | NBF-32346                  | NBB-22258            | NBF-32046                  |
| NBB-10221            | NBF-32104                  | NBB-10232            | NBF-32206                  | NBB-22220            | NBF-32002                  | NBB-32640            | NBF-32010                  |
| NBB-10222            | NBF-32106                  | NBB-10233            | NBF-32208                  | NBB-22221            | NBF-32004                  | NBB-32643            | NBF-32018                  |
| NBB-10223            | NBF-32108                  | NBB-10258            | NBF-32146                  | NBB-22222            | NBF-32006                  | NBB-32647            | NBF-32026                  |
| NBB-10230            | NBF-32202                  | NBB-10278            | NBF-32246                  | NBB-22223            | NBF-32008                  | NBB-32653            | NBF-32032                  |



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## Tradename

- NEMA NBF Series Box

## Benefits and Features

- Industry Standards:
  - NEMA Type 1, 2, 4, 4X, 12 and 13
  - IEC529, IP66
- Materials:
  - **ABS:** Light gray ABS plastic with UL94-HB flammability rating. These boxes are not UL listed.
  - **INDOOR VERSION:** Light Gray ABS/PC blended plastic with UL94-5V flammability rating
  - **OUTDOOR VERSION:** Light Gray PC/PBT blended plastic with UL94-5VA flammability rating
- Front door attached with non-metallic latches and hinges for maximum durability and corrosion resistance
- Holes in selected internal and external mounting bosses allow for self threading fasteners.
- Comes complete with stainless steel wall mounting brackets and hardware.

## Accessories

- Internal Hinged Panel Mounting Brackets
- Air and Moisture Vents
- Stainless Steel Locking Hasp

## Applications

- Control Boxes
  - Lighting
  - Access Controls
- Facilities With Wash Down Requirements
  - Food

- Beverage
- Pharmaceutical
- Corrosive Environments
  - Chemical Plants
  - Pulp/Paper Mills
- General Factory Environments
  - Machine Controls
  - Process Controls

## Competition and Competitive Advantages

- Non-metallic enclosures manufactured by:
  - Hammond
  - Fibox
  - Hoffman
  - Carlon
- Lighter weight and lower cost while retaining durability and strength for most applications

## Related Products

- Machine Controls
- Pneumatic, Hydraulic and/or Electrical Switches
- Timing Devices

## Key Customer Contacts

- Industrial Engineers
- Design Engineers
- Plant Maintenance Foremen
- Architects

## Questions to Ask

- Who designs or specifies your enclosures?
- Is your product used in an unfriendly environment?
- Do your controls and/or equipment need limited access control?

## Product Detail Information

| ABS Catalog # | Indoor Version |            | Outdoor Version Catalog Number |            | Nominal External Dimensions |                 |                 |                 | Actual Internal Dimensions |      |      | Wgt. Lbs. |
|---------------|----------------|------------|--------------------------------|------------|-----------------------------|-----------------|-----------------|-----------------|----------------------------|------|------|-----------|
|               | Catalog Number |            | Number                         |            | Inches [Millimeters]        |                 |                 |                 | Inches                     |      |      |           |
| Solid Door    | Solid Door     | Clear Door | Solid Door                     | Clear Door | A                           | B               | C               | D               | E                          | F    | G    |           |
| NBF-32002     | NBF-32102      | NBF-32202  | NBF-32302                      | NBF-32402  | 5.11<br>[130mm]             | 3.93<br>[100mm] | 2.75<br>[70mm]  | 1.97<br>[50mm]  | 4.55                       | 3.42 | 2.52 | 0.6       |
| NBF-32004     | NBF-32104      | NBF-32204  | NBF-32304                      | NBF-32404  | 5.90<br>[150mm]             | 3.93<br>[100mm] | 2.75<br>[70mm]  | 1.97<br>[50mm]  | 5.37                       | 3.42 | 2.52 | 0.7       |
| NBF-32006     | NBF-32106      | NBF-32206  | NBF-32306                      | NBF-32406  | 7.87<br>[200mm]             | 3.93<br>[100mm] | 2.75<br>[70mm]  | 1.97<br>[50mm]  | 7.31                       | 3.42 | 2.52 | 0.8       |
| NBF-32008     | NBF-32108      | NBF-32208  | NBF-32308                      | NBF-32408  | 10.63<br>[270mm]            | 3.93<br>[100mm] | 2.75<br>[70mm]  | 1.97<br>[50mm]  | 10.02                      | 3.42 | 2.52 | 0.8       |
| NBF-32010     | NBF-32110      | NBF-32210  | NBF-32310                      | NBF-32410  | 5.9<br>[150mm]              | 5.90<br>[150mm] | 3.54<br>[90mm]  | 2.76<br>[70mm]  | 5.22                       | 5.22 | 3.31 | 0.8       |
| NBF-32012*    | NBF-32112*     | NBF-32212* | NBF-32312*                     | NBF-32412* | 7.87<br>[200mm]             | 5.90<br>[150mm] | 3.93<br>[100mm] | 2.95<br>[75mm]  | 7.70                       | 5.73 | 3.70 | 1.2       |
| NBF-32014*    | NBF-32114*     | NBF-32214* | NBF-32314*                     | NBF-32414* | 7.08<br>[180mm]             | 7.08<br>[180mm] | 5.90<br>[150mm] | 4.72<br>[120mm] | 7.09                       | 7.09 | 5.67 | 1.5       |
| NBF-32016*    | NBF-32116*     | NBF-32216* | NBF-32316*                     | NBF-32416* | 11.81<br>[300mm]            | 7.87<br>[200mm] | 5.11<br>[130mm] | 4.02<br>[102mm] | 11.18                      | 7.20 | 4.82 | 2.0       |
| NBF-32018     | NBF-32118      | NBF-32218  | NBF-32318                      | NBF-32418  | 11.81<br>[300mm]            | 7.87<br>[200mm] | 6.29<br>[160mm] | 5.20<br>[132mm] | 11.18                      | 7.20 | 6.00 | 2.7       |
| NBF-32020*    | NBF-32120*     | NBF-32220* | NBF-32320*                     | NBF-32420* | 11.81<br>[300mm]            | 7.87<br>[200mm] | 7.87<br>[200mm] | 6.81<br>[173mm] | 11.18                      | 7.20 | 7.58 | 2.8       |
| NBF-32022*    | NBF-32122*     | NBF-32222* | NBF-32322*                     | NBF-32422* | 13.78<br>[350mm]            | 9.84<br>[250mm] | 5.90<br>[150mm] | 4.72<br>[120mm] | 12.99                      | 9.06 | 5.61 | 3.0       |
| NBF-32024*    | NBF-32124*     | NBF-32224* | NBF-32324*                     | NBF-32424* | 13.78<br>[350mm]            | 9.84<br>[250mm] | 7.08<br>[180mm] | 5.91<br>[150mm] | 12.99                      | 9.06 | 7.58 | 4.7       |

\* Non-stocking item. Contact factory for price and availability.

N/A = Not Available.

| ABS<br>Catalog<br># | Indoor Version |               | Outdoor<br>Version<br>Catalog<br>Number |               | Nominal External Dimensions |                             |                            |                            | Actual Internal<br>Dimensions |       |      | Wgt<br>·<br>Lbs. |
|---------------------|----------------|---------------|-----------------------------------------|---------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------|------|------------------|
|                     | Catalog Number |               |                                         |               | Inches [Milimeters]         |                             |                            |                            | Inches                        |       |      |                  |
|                     | Solid<br>Door  | Solid<br>Door | Clear<br>Door                           | Solid<br>Door | Clear<br>Door               | A                           | B                          | C                          | D                             | E     | F    |                  |
| NBF-32026           | NBF-32126      | NBF-32226     | NBF-32326                               | NBF-32426     | 15.74<br>[400mm]            | 11.81<br>[300mm]            | 6.29<br>[160mm]            | 5.2<br>[132mm]             | 15.14                         | 11.02 | 5.96 | 5.6              |
| NBF-32028*          | NBF-32128*     | NBF-32228*    | NBF-32328*                              | NBF-32428*    | 17.71<br>[450mm]            | 13.78<br>[350mm]            | 6.29<br>[160mm]            | 5.12<br>[130mm]            | 16.65                         | 12.64 | 5.96 | 6.9              |
| NBF-32030*          | NBF-32130*     | NBF-32230*    | NBF-32330*                              | NBF-32430*    | 17.71<br>[450mm]            | 13.78<br>[350mm]            | 7.87<br>[200mm]            | 6.69<br>[170mm]            | 16.65                         | 12.64 | 7.54 | 8.9              |
| NBF-32032           | NBF-32132      | NBF-32232     | NBF-32332                               | NBF-32432     | 19.68<br>[500mm]            | 15.74<br>[400mm]            | 6.29<br>[160mm]            | 5.12<br>[130mm]            | 18.82                         | 14.88 | 5.96 | 9.6              |
| NBF-32034*          | NBF-32134*     | NBF-32234*    | NBF-32334*                              | NBF-32434*    | 19.68<br>[500mm]            | 15.74<br>[400mm]            | 7.87<br>[200mm]            | 6.69<br>[170mm]            | 18.82                         | 14.88 | 7.54 | 10.6             |
| NBF-32036*          | NBF-32136*     | NBF-32236*    | NBF-32336*                              | NBF-32436*    | 20.86<br>[530mm]            | 16.92<br>[430mm]            | 6.29<br>[160mm]            | 5.12<br>[130mm]            | 19.69                         | 15.71 | 5.96 | 10.6             |
| NBF-32038           | NBF-32138      | NBF-32238     | NBF-32338                               | NBF-32438     | 20.86<br>[500mm]            | 16.92<br>[430mm]            | 7.87<br>[200mm]            | 6.69<br>[170mm]            | 19.69                         | 15.71 | 7.54 | 11.7             |
| NBF-32040*          | NBF-32140*     | NBF-32240*    | NBF-32340*                              | NBF-32440*    | 23.62<br>[600mm]            | 19.68<br>[500mm]            | 7.08<br>[180mm]            | 5.91<br>[150mm]            | 23.58                         | 19.69 | 6.71 | 13.9             |
| NBF-32042           | NBF-32142      | NBF-32242     | NBF-32342                               | NBF-32442     | 23.62<br>[600mm]            | 19.68<br>[500mm]            | 9.84<br>[250mm]            | 8.66<br>[220mm]            | 23.62                         | 19.69 | 9.47 | 16.1             |
| NBF-32044*          | NBF-32144*     | NBF-32244*    | NBF-32344*                              | NBF-32444*    | 27.55<br>[700mm]            | 19.68<br>[500mm]            | 7.08<br>[180mm]            | 5.91<br>[150mm]            | 27.52                         | 19.65 | 6.71 | 15.8             |
| NBF-32046           | NBF-32146      | NBF-32246     | NBF-32346                               | NBF-32446     | 27.55<br>[700mm]<br>[800mm] | 19.68<br>[500mm]<br>[600mm] | 9.84<br>[250mm]<br>[280mm] | 8.66<br>[220mm]<br>[257mm] | 27.56                         | 19.69 | 9.47 | 18.2             |

\* Non-stocking item. Contact factory for price and availability.

N/A = Not Available.