

Propeller Units - Model PDP

Figure 19.1 - Dimensional Drawings

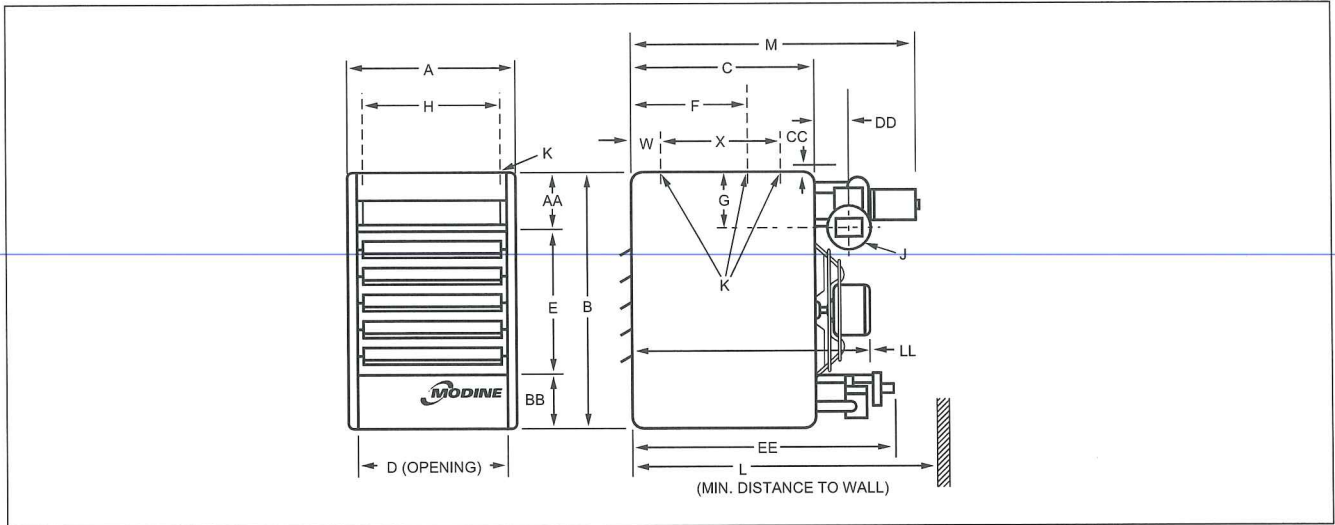


Table 19.1 - Dimensions (inches) - PDP ①

| Dimension Symbol | Model Number | | | | | | |
|----------------------|--------------|---------|---------|---------|---------|----------|---------|
| | PDP 150 | PDP 175 | PDP 200 | PDP 250 | PDP 300 | PDP 350 | PDP 400 |
| A | 21 | 23-1/2 | 25-5/8 | 25-5/8 | 28-5/8 | 33-5/8 | 40 |
| B | 35-1/4 | 35-1/4 | 40-1/4 | 40-1/4 | 40-1/4 | 40-1/4 | 40-1/4 |
| C | 22 | 22 | 25 | 25 | 25 | 25 | 25 |
| D | 18-9/16 | 21-1/16 | 23-3/16 | 23-3/16 | 26-3/16 | 31-3/16 | 37-1/2 |
| E | 20 | 20 | 24 | 24 | 24 | 24 | 24 |
| F | 12 | 12 | 13-1/2 | 13-1/2 | 14 | - | - |
| G | 6-9/16 | 6-9/16 | 7-1/2 | 7-1/2 | 7-1/2 | 7-1/2 | 7-1/2 |
| H | 17-3/8 | 19-7/8 | 22 | 22 | 25 | 30 | 36-3/8 |
| J ② | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| K (Mounting Holes) ③ | 3/8-16 | 3/8-16 | 3/8-16 | 3/8-16 | 3/8-16 | 3/8-16 | 3/8-16 |
| L ④ | 35-13/16 | 35-9/16 | 40-3/4 | 40-3/4 | 40-3/4 | 40-3/4 | 44-3/16 |
| M | 29-13/16 | 29-9/16 | 34-3/4 | 34-3/4 | 34-3/4 | 34-11/16 | 38-3/16 |
| W | - | - | - | - | - | 5 | 5 |
| X | - | - | - | - | - | 16 | 16 |
| AA | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| BB | 7-1/4 | 7-1/4 | 7-1/4 | 7-1/4 | 7-1/4 | 7-1/4 | 7-1/4 |
| CC | - | - | - | - | - | - | - |
| DD | 2-3/4 | 2-3/4 | 3-3/8 | 3-3/8 | 3-3/8 | 3-3/8 | 6-13/16 |
| EE | 30-1/2 | 30-1/2 | 32-7/8 | 32-7/8 | 32-7/8 | 32-7/8 | 32-7/8 |
| LL | 31-1/8 | 31-1/8 | 34-7/8 | 34-7/8 | 36-1/4 | 35-1/2 | 40-1/2 |
| Gas Connections ⑤ | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Fan Diameter | 16 | 18 | 20 | 20 | 22 | 22 | 24 |
| Approx. Weight | 168 | 175 | 239 | 239 | 269 | 338 | 418 |

- ① Do not use propeller units with duct work.
- ② For some models, this is the dimension of the vent transition outlet supplied.
- ③ PDP 150 through PDP 300 — 2 holes (and the level hanging adjustment feature). PDP 350 through PDP 400 — 4 holes. (Listed is the hole diameter and threads per inch to accept threaded rod).
- ④ Dimension equals overall plus 6".
- ⑤ For natural gas; may vary depending on control availability.

Figure 19.2 - Combustible Material and Service Clearances

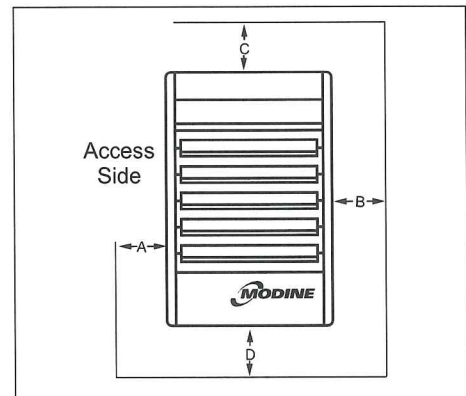


Table 19.2 - Combustible Material Clearances ①

| Model Size | Access Side (A) | Non-Access Side (B) | Top (C) | Bottom (D) | Top of Power Exhauster (Not shown) |
|------------|-----------------|---------------------|---------|------------|------------------------------------|
| 150-175 | 1 | 1 | 4 | 12 | 2 |
| 200-400 | 1 | 1 | 5 | 12 | 3 |

① Provide sufficient room around the heater to allow for proper combustion and operation of fan. Free area around the heater must not be less than 1-1/2 times the discharge area of the unit.