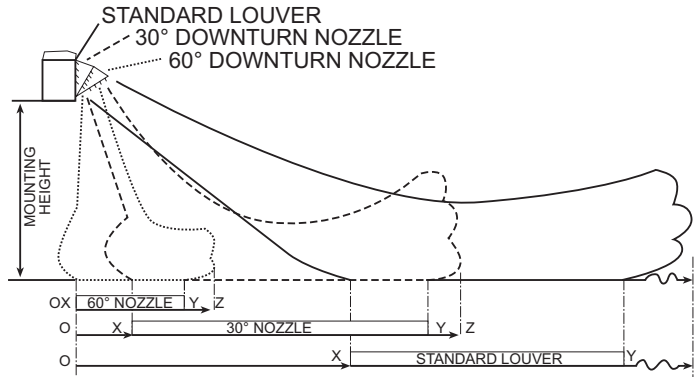




# Throw/Floor Coverage at Various Mounting Heights

## Propeller Fan Units

Throw/Floor Coverage  
 Sizes 125-400  
 (A.G.A.)



**KEY:**

- O-X** = Feet from heater to start of floor coverage
- O-Y** = Feet to end of floor coverage
- O-Z** = Feet to end of throw (50 ft per minute velocity)

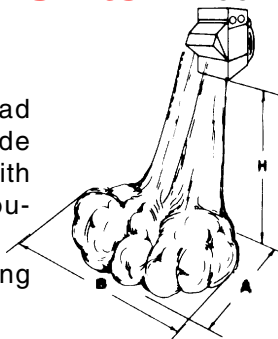
**NOTES:** Data based on 80°F entering air and 60°F rise through the unit. Standard louvers set at maximum deflection are effective as indicated when ceiling height above heater is not over 4 ft. For higher mounting height or where spot heating is required, choose outlet and mounting height giving coverage to floor. Mounting close to the ceiling provides maximum heat utilization.

| Mounting Height to Heater Bottom   | Heater Size |    |    |     |    |    |     |    |    |     |    |    |     |    |     |     |    |     |
|--|-------------|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|-----|-----|----|-----|
|  | 125         |    |    | 165 |    |    | 200 |    |    | 250 |    |    | 300 |    |     | 400 |    |     |
|  | X           | Y  | Z  | X   | Y  | Z  | X   | Y  | Z  | X   | Y  | Z  | X   | Y  | Z   | X   | Y  | Z   |
| <b>With Standard Horizontal Louvers</b>                                      |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     |     |    |     |
| 8 ft   | 14          | 24 | 65 | 14  | 35 | 75 | 13  | 38 | 83 | 12  | 44 | 94 | 12  | 36 | 105 | 12  | 55 | 118 |
| 10 ft  | 16          | 22 | 58 | 16  | 32 | 72 | 15  | 36 | 78 | 15  | 40 | 88 | 14  | 38 | 96  | 14  | 53 | 112 |
| 12 ft  | 18          | 20 | 54 | 18  | 30 | 66 | 17  | 34 | 72 | 17  | 38 | 84 | 16  | 35 | 90  | 16  | 49 | 108 |
| 14 ft  |             |    |    |     |    |    | 20  | 31 | 68 | 19  | 33 | 77 | 18  | 30 | 85  | 18  | 45 | 100 |
| 16 ft  |             |    |    |     |    |    |     |    |    | 22  | 30 | 72 | 20  | 27 | 80  | 20  | 40 | 92  |
| 18 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 23  | 35 | 85  |
| <b>With Downturn Nozzle with 25-65° Range of Air Deflection (30° Nozzle)</b> |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     |     |    |     |
| 10 ft  | 10          | 22 | 28 | 10  | 24 | 33 | 10  | 31 | 45 | 8   | 40 | 53 | 8   | 38 | 51  |     |    |     |
| 12 ft  | 13          | 18 | 26 | 12  | 22 | 30 | 12  | 29 | 43 | 10  | 38 | 50 | 10  | 36 | 48  | 10  | 50 | 70  |
| 14 ft  | 16          | 16 | 22 | 15  | 20 | 25 | 14  | 26 | 40 | 12  | 36 | 47 | 13  | 34 | 44  | 12  | 47 | 66  |
| 16 ft  |             |    |    |     |    |    | 16  | 23 | 36 | 14  | 33 | 42 | 15  | 31 | 40  | 14  | 43 | 62  |
| 18 ft  |             |    |    |     |    |    | 18  | 20 | 30 | 16  | 28 | 36 | 18  | 26 | 34  | 16  | 38 | 58  |
| 20 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 18  | 34 | 53  |
| 22 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 21  | 30 | 46  |
| <b>With Downturn Nozzle with 50-90° Range of Air Deflection (60° Nozzle)</b> |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     |     |    |     |
| 12 ft  | 0           | 8  | 20 | 0   | 8  | 22 | 0   | 8  | 25 | 0   | 12 | 30 | 0   | 10 | 28  |     |    |     |
| 16 ft  | 0           | 10 | 18 | 0   | 10 | 20 | 0   | 10 | 23 | 0   | 14 | 28 | 0   | 12 | 26  | 0   | 12 | 32  |
| 20 ft  | 0           | 14 | 16 | 0   | 14 | 18 | 0   | 12 | 21 | 0   | 16 | 26 | 0   | 14 | 24  | 0   | 14 | 30  |
| 24 ft  |             |    |    |     |    |    | 0   | 14 | 18 | 0   | 18 | 24 | 0   | 16 | 20  | 0   | 16 | 28  |
| 28 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 0   | 18 | 26  |
| 32 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 0   | 20 | 24  |
| 36 ft  |             |    |    |     |    |    |     |    |    |     |    |    |     |    |     | 0   | 22 | 22  |

## Blower Units - Floor Coverage with 50-90° Variable Air Deflection Downturn Nozzle

**KEY:**

- A** = Throw
- B** = Spread (Side to side coverage with standard louvers)
- H** = Mounting Height



| Blower Model | CFM  | Mounting Height - H |    |       |    |       |    |       |    |       |    |       |    |       |    |       |    |
|--------------|------|---------------------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
|              |      | 12 ft               |    | 16 ft |    | 20 ft |    | 24 ft |    | 28 ft |    | 32 ft |    | 36 ft |    | 40 ft |    |
|              |      | A                   | B  | A     | B  | A     | B  | A     | B  | A     | B  | A     | B  | A     | B  | A     | B  |
| 125          | 1545 | 20                  | 22 | 18    | 20 | 16    | 18 |       |    |       |    |       |    |       |    |       |    |
| 165          | 2090 | 24                  | 26 | 22    | 24 | 20    | 22 |       |    |       |    |       |    |       |    |       |    |
| 200          | 2470 |                     |    | 26    | 28 | 24    | 26 | 20    | 22 |       |    |       |    |       |    |       |    |
| 250          | 3090 |                     |    | 30    | 32 | 28    | 30 | 24    | 26 |       |    |       |    |       |    |       |    |
| 300          | 3710 |                     |    |       |    | 32    | 34 | 30    | 32 | 28    | 30 | 26    | 28 | 24    | 26 |       |    |
| 400          | 4950 |                     |    |       |    | 36    | 38 | 34    | 36 | 32    | 34 | 30    | 32 | 28    | 30 | 24    | 26 |

**NOTES:** Data based on 80°F entering air temperature and 60°F rise through the unit. Standard horizontal louver set for maximum down deflection. Table and drawing show approximate floor coverage at various mounting heights. NOTE that throw "A" and sideward spread "B" are increased as mounting height is reduced, due to floor bounce effect. Conversely the floor coverage reduces as mounting height increases. Horizontal louvers can be used to spread throw area "A" forward from the heater, and vertical louvers can be used to increase sideward spread "B". Vertical louvers set at maximum deflection will increase spread "B" approximately 10 feet, but will reduce maximum mounting height 4 feet. EXAMPLE: BE200 at 20 ft mounting height with standard louver setting gives a floor coverage of "A" = 24' x "B" = 26'. Using vertical louvers set at maximum sideward spread, the maximum mounting height would be 16 feet, and the floor coverage would be "A" = 26' and "B" = 28' plus 10' or 38'.