



APPLICATION MANUAL AMHATO-1
EFFECTIVE FEBRUARY 15, 2011

APPLICATION MANUAL FOR IFP HEATING AIR TURNOVER UNITS

This manual is intended to aid you in making a quick selection of the Air Turnover heating equipment needed to meet customer's requirements. It is important to verify the temperature range the customer wants to maintain in the space. While Air Turnover units are capable of very tight temperature control, you will note in the graph on the next page that if the floor to ceiling temperature differential is not critical, then the equipment can be downsized to minimize the installed cost.



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We will show here two different examples of how you can use the enclosed information. In both examples the building dimensions are known. In the first example, the heat loss analysis is available; in the second example, it is not. Remember that heat loss calculation should include the infiltration factor and outside air heating load if applicable.

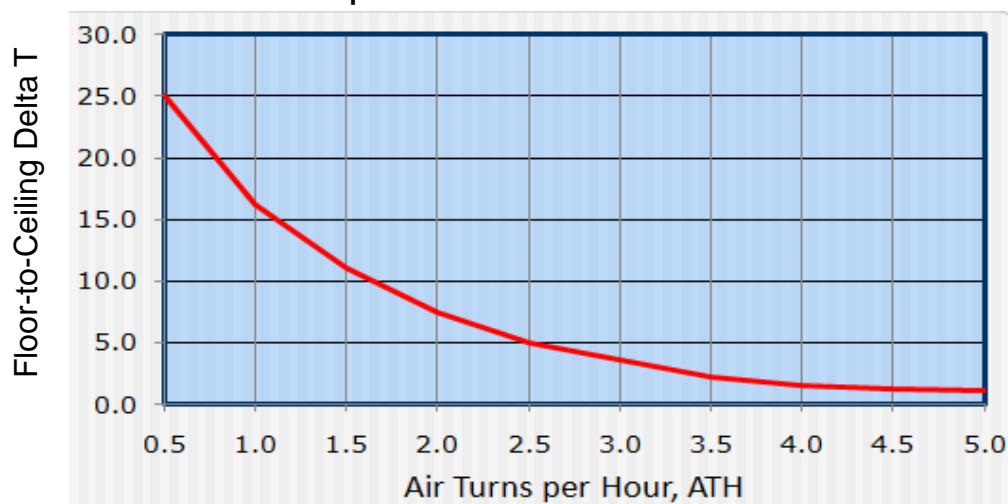
Example #1: Need to heat a 12,150 square foot by 28 ft. high building where heat loss has been given as 430,000 BTU/Hour. Customer has asked for a 5° F floor to ceiling differential.

Solution: Find in graph below that 2.5 ATH is recommended to hold the desired temperature differential. Find unit that has at least 430 MBH burner available. You will see the IFP-100/55 shown on page 5 can cover a 12, 160 square foot by 30 ft high building at the recommended 2.5 ATH. You can select between a 450 MBH or 550 MBH burner for this model.

Example #2: Need to heat a building that is 122' wide x 200' long x 25' high. No heat loss analysis is available. Customer has asked for a 4° F floor to ceiling differential. You do know from your experience that a heat loss of 30 BTU/Sq. Ft. is reasonable for the climate conditions in your area and the older building construction this customer has.

Solution: Find in graph below that 3.0 ATH is recommended to hold the desired temperature differential. Find unit that will cover 24,400 square foot x 25' high building based on 3.0 ATH. You will see the IFP-200/100 shown on page 11 can cover a 28,640 square foot by 30 ft high building at the recommended 3.0 ATH based on maximum 35,800 CFM airflow. Check to see if less than the maximum airflow will work. Multiplying the 28,640 CFM by 0.908 factor for 32,500 CFM, you will find this can handle 26, 005 square foot building. The selection chart also shows this model will give you 34.7 BTU/ Sq. Ft. so this meets your heat loss criteria.

The Effect of Air Turns/Hour on Temperature Stratification



IFP-75/40

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|--------|--------|--------|--------|--------|-------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-75/40 Max CFM: 8,100 Max MBH: 400 | S.F. Coverage @ 1.0 ATH ①② | 24,300 | 19,440 | 16,200 | 13,886 | 12,150 | 10,800 | 9,720 |
| | BTU/Sq. Ft. ③ | 16.4 | 20.6 | 24.7 | 28.8 | 32.9 | 37.0 | 41.2 |
| | S.F. Coverage @ 1.5 ATH ①② | 16,200 | 12,960 | 10,800 | 9,257 | 8,100 | 7,200 | 6,480 |
| | BTU/Sq. Ft. ③ | 24.7 | 30.9 | 37.0 | 43.2 | 49.4 | 55.6 | 61.7 |
| | S.F. Coverage @ 2.0 ATH ①② | 12,150 | 9,720 | 8,100 | 6,943 | 6,075 | 5,400 | 4,860 |
| | BTU/Sq. Ft. ③ | 32.9 | 41.2 | 49.4 | 57.6 | 65.8 | 74.1 | 82.3 |
| | S.F. Coverage @ 2.5 ATH ①② | 9,720 | 7,776 | 6,480 | 5,554 | 4,860 | 4,320 | 3,888 |
| | BTU/Sq. Ft. ③ | 41.2 | 51.4 | 61.7 | 72.0 | 82.3 | 92.6 | 102.9 |
| | S.F. Coverage @ 3.0 ATH ①② | 8,100 | 6,480 | 5,400 | 4,629 | 4,050 | 3,600 | 3,240 |
| | BTU/Sq. Ft. ③ | 49.4 | 61.7 | 74.1 | 86.4 | 98.8 | 111.1 | 123.4 |
| | S.F. Coverage @ 3.5 ATH ①② | 6,943 | 5,554 | 4,629 | 3,967 | 3,471 | 3,086 | 2,777 |
| | BTU/Sq. Ft. ③ | 57.6 | 72.0 | 86.4 | 100.8 | 115.2 | 129.6 | 144.0 |

Notes:

- ① Sq. Ft. coverages shown are for 8100 CFM unit; for 6600 CFM unit, multiply values shown by 0.815
- ② Sq. Ft. coverages are shown for 8100 CFM unit; for 7400 CFM unit, multiply values shown by 0.914
- ③ BTU/Sq. Ft. values shown are for 400 MBH unit; for 350 MBH unit, multiply values shown by 0.875

IFP-75/55

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-75/55 Max CFM: 11,100 Max MBH: 550 | S.F. Coverage @ 1.0 ATH ①② | 33,300 | 26,640 | 22,200 | 19,029 | 16,650 | 14,800 | 13,320 |
| | BTU/Sq. Ft. ③ | 16.5 | 20.6 | 24.8 | 28.9 | 33.0 | 37.2 | 41.3 |
| | S.F. Coverage @ 1.5 ATH ①② | 22,200 | 17,760 | 14,800 | 12,686 | 11,100 | 9,867 | 8,880 |
| | BTU/Sq. Ft. ③ | 24.8 | 31.0 | 37.2 | 43.5 | 49.5 | 55.7 | 61.9 |
| | S.F. Coverage @ 2.0 ATH ①② | 16,650 | 13,320 | 11,100 | 9,514 | 8,325 | 7,400 | 6,660 |
| | BTU/Sq. Ft. ③ | 33.0 | 41.3 | 49.5 | 57.8 | 66.1 | 74.3 | 82.6 |
| | S.F. Coverage @ 2.5 ATH ①② | 13,320 | 10,656 | 8,880 | 7,611 | 6,660 | 5,920 | 5,328 |
| | BTU/Sq. Ft. ③ | 41.3 | 51.6 | 61.9 | 72.3 | 82.6 | 92.9 | 103.2 |
| | S.F. Coverage @ 3.0 ATH ①② | 11,100 | 8,880 | 7,400 | 6,343 | 5,550 | 4,933 | 4,440 |
| | BTU/Sq. Ft. ③ | 49.5 | 61.9 | 74.3 | 86.7 | 99.1 | 111.5 | 123.9 |
| | S.F. Coverage @ 3.5 ATH ①② | 9,514 | 7,611 | 6,343 | 5,437 | 4,757 | 4,229 | 3,806 |
| | BTU/Sq. Ft. ③ | 57.8 | 72.3 | 86.7 | 101.2 | 115.6 | 130.1 | 144.5 |

Notes:

- ① Sq. Ft. coverages shown are for 11,100 CFM unit; for 9100 CFM unit, multiply values shown by 0.820
- ② Sq. Ft. coverages are shown for 11,100 CFM unit; for 10,100 CFM unit, multiply values shown by 0.910
- ③ BTU/Sq. Ft. values shown are for 550 MBH unit; for 450 MBH unit, multiply values shown by 0.818

IFP-100/55

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-100/55 Max CFM: 15,200 Max MBH: 550 | S.F. Coverage @ 1.0 ATH ①② | 45,600 | 36,480 | 30,400 | 26,057 | 22,800 | 20,267 | 18,240 |
| | BTU/Sq. Ft. ③ | 12.1 | 15.1 | 18.1 | 21.1 | 24.1 | 27.1 | 30.1 |
| | S.F. Coverage @ 1.5 ATH ①② | 30,400 | 24,320 | 20,267 | 17,371 | 15,200 | 13,511 | 12,160 |
| | BTU/Sq. Ft. ③ | 18.1 | 22.6 | 27.1 | 31.7 | 36.2 | 40.7 | 45.2 |
| | S.F. Coverage @ 2.0 ATH ①② | 22,800 | 18,240 | 15,200 | 13,029 | 11,400 | 10,133 | 9,120 |
| | BTU/Sq. Ft. ③ | 24.1 | 30.1 | 36.2 | 42.2 | 48.2 | 54.3 | 60.3 |
| | S.F. Coverage @ 2.5 ATH ①② | 18,240 | 14,592 | 12,160 | 10,423 | 9,120 | 8,107 | 7,296 |
| | BTU/Sq. Ft. ③ | 30.1 | 37.7 | 45.2 | 52.8 | 60.3 | 67.9 | 75.4 |
| | S.F. Coverage @ 3.0 ATH ①② | 15,200 | 12,160 | 10,133 | 8,686 | 7,600 | 6,756 | 6,080 |
| | BTU/Sq. Ft. ③ | 36.2 | 45.2 | 54.3 | 63.3 | 72.4 | 81.4 | 90.5 |
| | S.F. Coverage @ 3.5 ATH ①② | 13,029 | 10,423 | 8,686 | 7,445 | 6,514 | 5,790 | 5,211 |
| | BTU/Sq. Ft. ③ | 42.2 | 52.8 | 63.3 | 73.9 | 84.4 | 95.0 | 105.5 |

Notes:

- ① Sq. Ft. coverages shown are for 15,200 CFM unit; for 12,400 CFM unit, multiply values shown by 0.816
- ② Sq. Ft. coverages are shown for 15,200 CFM unit; for 13,800 CFM unit, multiply values shown by 0.908
- ③ BTU/Sq. Ft. values shown are for 550 MBH unit; for 450 MBH unit, multiply values shown by 0.818

IFP-100/75

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-100/75 Max CFM: 15,200 Max MBH: 750 | S.F. Coverage @ 1.0 ATH ①② | 45,600 | 36,480 | 30,400 | 26,057 | 22,800 | 20,267 | 18,240 |
| | BTU/Sq. Ft. ③ | 16.4 | 20.6 | 24.7 | 28.8 | 32.9 | 37.0 | 41.1 |
| | S.F. Coverage @ 1.5 ATH ①② | 30,400 | 24,320 | 20,267 | 17,371 | 15,200 | 13,511 | 12,160 |
| | BTU/Sq. Ft. ③ | 24.7 | 30.8 | 37.0 | 43.2 | 49.3 | 55.5 | 61.7 |
| | S.F. Coverage @ 2.0 ATH ①② | 22,800 | 18,240 | 15,200 | 13,029 | 11,400 | 10,133 | 9,120 |
| | BTU/Sq. Ft. ③ | 32.9 | 41.1 | 49.3 | 57.6 | 65.8 | 74.0 | 82.2 |
| | S.F. Coverage @ 2.5 ATH ①② | 18,240 | 14,592 | 12,160 | 10,423 | 9,120 | 8,107 | 7,296 |
| | BTU/Sq. Ft. ③ | 41.1 | 51.4 | 61.7 | 72.0 | 82.2 | 92.5 | 102.8 |
| | S.F. Coverage @ 3.0 ATH ①② | 15,200 | 12,160 | 10,133 | 8,686 | 7,600 | 6,756 | 6,080 |
| | BTU/Sq. Ft. ③ | 49.3 | 61.7 | 74.0 | 86.3 | 98.7 | 111.0 | 123.4 |
| | S.F. Coverage @ 3.5 ATH ①② | 13,029 | 10,423 | 8,686 | 7,445 | 6,514 | 5,790 | 5,211 |
| | BTU/Sq. Ft. ③ | 57.6 | 72.0 | 86.3 | 100.7 | 115.1 | 129.5 | 143.9 |

Notes:

- ① Sq. Ft. coverages shown are for 15,200 CFM unit; for 12,400 CFM unit, multiply values shown by 0.816
- ② Sq. Ft. coverages are shown for 15,200 CFM unit; for 13,800 CFM unit, multiply values shown by 0.908
- ③ BTU/Sq. Ft. values shown are for 750 MBH unit; for 650 MBH unit, multiply values shown by 0.867

IFP-125/75

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-125/75 Max CFM: 20,400 Max MBH: 750 | S.F. Coverage @ 1.0 ATH ①② | 61,200 | 48,960 | 40,800 | 34,971 | 30,600 | 27,200 | 24,480 |
| | BTU/Sq. Ft. ③ | 12.3 | 15.3 | 18.4 | 21.4 | 24.5 | 27.6 | 30.6 |
| | S.F. Coverage @ 1.5 ATH ①② | 40,800 | 32,640 | 27,200 | 23,314 | 20,400 | 18,133 | 16,320 |
| | BTU/Sq. Ft. ③ | 18.4 | 23.0 | 27.6 | 32.2 | 36.8 | 41.4 | 46.0 |
| | S.F. Coverage @ 2.0 ATH ①② | 30,600 | 24,480 | 20,400 | 17,486 | 15,300 | 13,600 | 12,240 |
| | BTU/Sq. Ft. ③ | 24.5 | 30.6 | 36.8 | 42.9 | 49.0 | 55.1 | 61.3 |
| | S.F. Coverage @ 2.5 ATH ①② | 24,480 | 19,584 | 16,320 | 13,989 | 12,240 | 10,880 | 9,792 |
| | BTU/Sq. Ft. ③ | 30.6 | 38.3 | 46.0 | 53.6 | 61.3 | 68.9 | 76.6 |
| | S.F. Coverage @ 3.0 ATH ①② | 20,400 | 16,320 | 13,600 | 11,657 | 10,200 | 9,067 | 8,160 |
| | BTU/Sq. Ft. ③ | 36.8 | 46.0 | 55.1 | 64.3 | 73.5 | 82.7 | 91.9 |
| | S.F. Coverage @ 3.5 ATH ①② | 17,486 | 13,989 | 11,657 | 9,992 | 8,743 | 7,771 | 6,994 |
| | BTU/Sq. Ft. ③ | 42.9 | 53.6 | 64.3 | 75.1 | 85.8 | 96.5 | 107.2 |

Notes:

- ① Sq. Ft. coverages shown are for 20,400 CFM unit; for 16,600 CFM unit, multiply values shown by 0.814
- ② Sq. Ft. coverages are shown for 20,400 CFM unit; for 18,500 CFM unit, multiply values shown by 0.907
- ③ BTU/Sq. Ft. values shown are for 750 MBH unit; for 650 MBH unit, multiply values shown by 0.867

IFP-125/100

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-125/100 Max CFM: 20,400 Max MBH: 1,000 | S.F. Coverage @ 1.0 ATH ①② | 61,200 | 48,960 | 40,800 | 34,971 | 30,600 | 27,200 | 24,480 |
| | BTU/Sq. Ft. ③ | 16.3 | 20.4 | 24.5 | 28.6 | 32.7 | 36.8 | 40.8 |
| | S.F. Coverage @ 1.5 ATH ①② | 40,800 | 32,640 | 27,200 | 23,314 | 20,400 | 18,133 | 16,320 |
| | BTU/Sq. Ft. ③ | 24.5 | 30.6 | 36.8 | 42.9 | 49.0 | 55.1 | 61.3 |
| | S.F. Coverage @ 2.0 ATH ①② | 30,600 | 24,480 | 20,400 | 17,486 | 15,300 | 13,600 | 12,240 |
| | BTU/Sq. Ft. ③ | 32.7 | 40.8 | 49.0 | 57.2 | 65.4 | 73.5 | 81.7 |
| | S.F. Coverage @ 2.5 ATH ①② | 24,480 | 19,584 | 16,320 | 13,989 | 12,240 | 10,880 | 9,792 |
| | BTU/Sq. Ft. ③ | 40.8 | 51.1 | 61.3 | 71.5 | 81.7 | 91.9 | 102.1 |
| | S.F. Coverage @ 3.0 ATH ①② | 20,400 | 16,320 | 13,600 | 11,657 | 10,200 | 9,067 | 8,160 |
| | BTU/Sq. Ft. ③ | 49.0 | 61.3 | 73.5 | 85.8 | 98.0 | 110.3 | 122.5 |
| | S.F. Coverage @ 3.5 ATH ①② | 17,486 | 13,989 | 11,657 | 9,992 | 8,743 | 7,771 | 6,994 |
| | BTU/Sq. Ft. ③ | 57.2 | 71.5 | 85.8 | 100.1 | 114.4 | 128.7 | 143.0 |

Notes:

- ① Sq. Ft. coverages shown are for 20,400 CFM unit; for 16,600 CFM unit, multiply values shown by 0.814
- ② Sq. Ft. coverages are shown for 20,400 CFM unit; for 18,500 CFM unit, multiply values shown by 0.907
- ③ BTU/Sq. Ft. values shown are for 1,000 MBH unit; for 850 MBH unit, multiply values shown by 0.850

IFP-175/75

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-175/75 Max CFM: 27,000 Max MBH: 750 | S.F. Coverage @ 1.0 ATH ①② | 81,000 | 64,800 | 54,000 | 46,286 | 40,500 | 36,000 | 32,400 |
| | BTU/Sq. Ft. ③ | 9.3 | 11.6 | 13.9 | 16.2 | 18.5 | 20.8 | 23.1 |
| | S.F. Coverage @ 1.5 ATH ①② | 54,000 | 43,200 | 36,000 | 30,857 | 27,000 | 24,000 | 21,600 |
| | BTU/Sq. Ft. ③ | 13.9 | 17.4 | 20.8 | 24.3 | 27.8 | 31.3 | 34.7 |
| | S.F. Coverage @ 2.0 ATH ①② | 40,500 | 32,400 | 27,000 | 23,143 | 20,250 | 18,000 | 16,200 |
| | BTU/Sq. Ft. ③ | 18.5 | 23.1 | 27.8 | 32.4 | 37.0 | 41.7 | 46.3 |
| | S.F. Coverage @ 2.5 ATH ①② | 32,400 | 25,920 | 21,600 | 18,514 | 16,200 | 14,400 | 12,960 |
| | BTU/Sq. Ft. ③ | 23.1 | 28.9 | 34.7 | 40.5 | 46.3 | 52.1 | 57.9 |
| | S.F. Coverage @ 3.0 ATH ①② | 27,000 | 21,600 | 18,000 | 15,429 | 13,500 | 12,000 | 10,800 |
| | BTU/Sq. Ft. ③ | 27.8 | 34.7 | 41.7 | 48.6 | 55.6 | 62.5 | 69.4 |
| | S.F. Coverage @ 3.5 ATH ①② | 23,143 | 18,514 | 15,429 | 13,224 | 11,571 | 10,286 | 9,257 |
| | BTU/Sq. Ft. ③ | 32.4 | 40.5 | 48.6 | 56.7 | 64.8 | 72.9 | 81.0 |

Notes:

- ① Sq. Ft. coverages shown are for 27,000 CFM unit; for 22,000 CFM unit, multiply values shown by 0.815
- ② Sq. Ft. coverages are shown for 27,000 CFM unit; for 24,500 CFM unit, multiply values shown by 0.907
- ③ BTU/Sq. Ft. values shown are for 750 MBH unit; for 650 MBH unit, multiply values shown by 0.867

IFP-175/100

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-175/100 Max CFM: 27,000 Max MBH: 1,000 | S.F. Coverage @ 1.0 ATH ①② | 81,000 | 64,800 | 54,000 | 46,286 | 40,500 | 36,000 | 32,400 |
| | BTU/Sq. Ft. ③ | 12.3 | 15.4 | 18.5 | 21.6 | 24.7 | 27.8 | 30.9 |
| | S.F. Coverage @ 1.5 ATH ①② | 54,000 | 43,200 | 36,000 | 30,857 | 27,000 | 24,000 | 21,600 |
| | BTU/Sq. Ft. ③ | 18.5 | 23.1 | 27.8 | 32.4 | 37.0 | 41.7 | 46.3 |
| | S.F. Coverage @ 2.0 ATH ①② | 40,500 | 32,400 | 27,000 | 23,143 | 20,250 | 18,000 | 16,200 |
| | BTU/Sq. Ft. ③ | 24.7 | 30.9 | 37.0 | 43.2 | 49.4 | 55.6 | 61.7 |
| | S.F. Coverage @ 2.5 ATH ①② | 32,400 | 25,920 | 21,600 | 18,514 | 16,200 | 14,400 | 12,960 |
| | BTU/Sq. Ft. ③ | 30.9 | 38.6 | 46.3 | 54.0 | 61.7 | 69.4 | 77.2 |
| | S.F. Coverage @ 3.0 ATH ①② | 27,000 | 21,600 | 18,000 | 15,429 | 13,500 | 12,000 | 10,800 |
| | BTU/Sq. Ft. ③ | 37.0 | 46.3 | 55.6 | 64.8 | 74.1 | 83.3 | 92.6 |
| | S.F. Coverage @ 3.5 ATH ①② | 23,143 | 18,514 | 15,429 | 13,224 | 11,571 | 10,286 | 9,257 |
| | BTU/Sq. Ft. ③ | 43.2 | 54.0 | 64.8 | 75.6 | 86.4 | 97.2 | 108.0 |

Notes:

- ① Sq. Ft. coverages shown are for 27,000 CFM unit; for 22,000 CFM unit, multiply values shown by 0.815
- ② Sq. Ft. coverages are shown for 27,000 CFM unit; for 24,500 CFM unit, multiply values shown by 0.907
- ③ BTU/Sq. Ft. values shown are for 1,000 MBH unit; for 850 MBH unit, multiply values shown by 0.850

IFP-200/100

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-200/100 Max CFM: 35,800 Max MBH: 1,000 | S.F. Coverage @ 1.0 ATH ①② | 107,400 | 85,920 | 71,600 | 61,371 | 53,700 | 47,733 | 42,960 |
| | BTU/Sq. Ft. ③ | 9.3 | 11.6 | 14.0 | 16.3 | 18.6 | 20.9 | 23.3 |
| | S.F. Coverage @ 1.5 ATH ①② | 71,600 | 57,280 | 47,733 | 40,914 | 35,800 | 31,822 | 28,640 |
| | BTU/Sq. Ft. ③ | 14.0 | 17.5 | 20.9 | 24.4 | 27.9 | 31.4 | 34.9 |
| | S.F. Coverage @ 2.0 ATH ①② | 53,700 | 42,960 | 35,800 | 30,686 | 26,850 | 23,867 | 21,480 |
| | BTU/Sq. Ft. ③ | 18.6 | 23.3 | 27.9 | 32.6 | 37.2 | 41.9 | 46.6 |
| | S.F. Coverage @ 2.5 ATH ①② | 42,960 | 34,368 | 28,640 | 24,549 | 21,480 | 19,093 | 17,184 |
| | BTU/Sq. Ft. ③ | 23.3 | 29.1 | 34.9 | 40.7 | 46.6 | 52.4 | 58.2 |
| | S.F. Coverage @ 3.0 ATH ①② | 35,800 | 28,640 | 23,867 | 20,457 | 17,900 | 15,911 | 14,320 |
| | BTU/Sq. Ft. ③ | 27.9 | 34.9 | 41.9 | 48.9 | 55.9 | 62.8 | 69.8 |
| | S.F. Coverage @ 3.5 ATH ①② | 30,686 | 24,549 | 20,457 | 17,535 | 15,343 | 13,638 | 12,274 |
| | BTU/Sq. Ft. ③ | 32.6 | 40.7 | 48.9 | 57.0 | 65.2 | 73.3 | 81.5 |

Notes:

- ① Sq. Ft. coverages shown are for 35,800 CFM unit; for 29,200 CFM unit, multiply values shown by 0.816
- ② Sq. Ft. coverages are shown for 35,800 CFM unit; for 32,500 CFM unit, multiply values shown by 0.908
- ③ BTU/Sq. Ft. values shown are for 1,000 MBH unit; for 850 MBH unit, multiply values shown by 0.850

IFP-200/175

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-200/175 Max CFM: 35,800 Max MBH: 1,750 | S.F. Coverage @ 1.0 ATH ①② | 107,400 | 85,920 | 71,600 | 61,371 | 53,700 | 47,733 | 42,960 |
| | BTU/Sq. Ft. ③④ | 16.3 | 20.4 | 24.4 | 28.5 | 32.6 | 36.7 | 40.7 |
| | S.F. Coverage @ 1.5 ATH ①② | 71,600 | 57,280 | 47,733 | 40,914 | 35,800 | 31,822 | 28,640 |
| | BTU/Sq. Ft. ③④ | 24.4 | 30.6 | 36.7 | 42.8 | 48.9 | 55.0 | 61.1 |
| | S.F. Coverage @ 2.0 ATH ①② | 53,700 | 42,960 | 35,800 | 30,686 | 26,850 | 23,867 | 21,480 |
| | BTU/Sq. Ft. ③④ | 32.6 | 40.7 | 48.9 | 57.0 | 65.2 | 73.3 | 81.5 |
| | S.F. Coverage @ 2.5 ATH ①② | 42,960 | 34,368 | 28,640 | 24,549 | 21,480 | 19,093 | 17,184 |
| | BTU/Sq. Ft. ③④ | 40.7 | 50.9 | 61.1 | 71.3 | 81.5 | 91.7 | 101.8 |
| | S.F. Coverage @ 3.0 ATH ①② | 35,800 | 28,640 | 23,867 | 20,457 | 17,900 | 15,911 | 14,320 |
| | BTU/Sq. Ft. ③④ | 48.9 | 61.1 | 73.3 | 85.5 | 97.8 | 110.0 | 122.2 |
| | S.F. Coverage @ 3.5 ATH ①② | 30,686 | 24,549 | 20,457 | 17,534 | 15,343 | 13,638 | 12,274 |
| | BTU/Sq. Ft. ③④ | 57.0 | 71.3 | 85.5 | 99.8 | 114.1 | 128.3 | 142.6 |

Notes:

- ① Sq. Ft. coverages shown are for 35,800 CFM unit; for 29,200 CFM unit, multiply values shown by 0.816
- ② Sq. Ft. coverages are shown for 35,800 CFM unit; for 32,500 CFM unit, multiply values shown by 0.908
- ③ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,250 MBH unit, multiply values shown by 0.714
- ④ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,500 MBH unit, multiply values shown by 0.857

IFP-250/100

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-250/100 Max CFM: 42,900 Max MBH: 1,000 | S.F. Coverage @ 1.0 ATH ①② | 128,700 | 102,960 | 85,800 | 73,543 | 64,350 | 57,200 | 51,480 |
| | BTU/Sq. Ft. ③ | 7.8 | 9.7 | 11.7 | 13.6 | 15.5 | 17.5 | 19.4 |
| | S.F. Coverage @ 1.5 ATH ①② | 85,800 | 68,640 | 57,200 | 49,029 | 42,900 | 38,133 | 34,320 |
| | BTU/Sq. Ft. ③ | 11.7 | 14.6 | 17.5 | 20.4 | 23.3 | 26.2 | 29.1 |
| | S.F. Coverage @ 2.0 ATH ①② | 64,350 | 51,480 | 42,900 | 36,771 | 32,175 | 28,600 | 25,740 |
| | BTU/Sq. Ft. ③ | 15.5 | 19.4 | 23.3 | 27.2 | 31.1 | 35.0 | 38.9 |
| | S.F. Coverage @ 2.5 ATH ①② | 51,480 | 41,184 | 34,320 | 29,417 | 25,740 | 22,880 | 20,592 |
| | BTU/Sq. Ft. ③ | 19.4 | 24.3 | 29.1 | 34.0 | 38.9 | 43.7 | 48.6 |
| | S.F. Coverage @ 3.0 ATH ①② | 42,900 | 34,320 | 28,600 | 24,514 | 21,450 | 19,067 | 17,160 |
| | BTU/Sq. Ft. ③ | 23.3 | 29.1 | 35 | 40.8 | 46.6 | 52.4 | 58.3 |
| | S.F. Coverage @ 3.5 ATH ①② | 36,771 | 29,417 | 24,514 | 21,012 | 18,386 | 16,343 | 14,709 |
| | BTU/Sq. Ft. ③ | 27.2 | 34 | 40.8 | 47.6 | 54.4 | 61.2 | 68.0 |

Notes:

- ① Sq. Ft. coverages shown are for 42,900 CFM unit; for 35,100 CFM unit, multiply values shown by 0.818
- ② Sq. Ft. coverages are shown for 42,900 CFM unit; for 39,000 CFM unit, multiply values shown by 0.909
- ③ BTU/Sq. Ft. values shown are for 1,000 MBH unit; for 850 MBH unit, multiply values shown by 0.850

IFP-250/175

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-250/175 Max CFM: 42,900 Max MBH: 1,750 | S.F. Coverage @ 1.0 ATH ①② | 128,700 | 102,960 | 85,800 | 73,543 | 64,350 | 57,200 | 51,480 |
| | BTU/Sq. Ft. ③④ | 13.6 | 17.0 | 20.4 | 23.8 | 27.2 | 30.6 | 34.0 |
| | S.F. Coverage @ 1.5 ATH ①② | 85,800 | 68,640 | 57,200 | 49,028 | 42,900 | 38,133 | 34,320 |
| | BTU/Sq. Ft. ③④ | 20.4 | 25.5 | 30.6 | 35.7 | 40.8 | 45.9 | 51.0 |
| | S.F. Coverage @ 2.0 ATH ①② | 64,350 | 51,480 | 42,900 | 36,771 | 32,175 | 28,600 | 25,740 |
| | BTU/Sq. Ft. ③④ | 27.2 | 34.0 | 40.8 | 47.6 | 54.4 | 61.2 | 68.0 |
| | S.F. Coverage @ 2.5 ATH ①② | 51,480 | 41,184 | 34,320 | 29,417 | 25,740 | 22,880 | 20,592 |
| | BTU/Sq. Ft. ③④ | 34.0 | 42.5 | 51.0 | 59.5 | 68.0 | 76.5 | 85.0 |
| | S.F. Coverage @ 3.0 ATH ①② | 42,900 | 34,320 | 28,600 | 24,514 | 21,450 | 19,067 | 17,160 |
| | BTU/Sq. Ft. ③④ | 40.8 | 51.0 | 61.2 | 71.4 | 81.6 | 91.8 | 102.0 |
| | S.F. Coverage @ 3.5 ATH ①② | 36,771 | 29,417 | 24,514 | 21,012 | 18,386 | 16,343 | 14,709 |
| | BTU/Sq. Ft. ③④ | 47.6 | 59.5 | 71.4 | 83.3 | 95.2 | 107.1 | 119.0 |

Notes:

- ① Sq. Ft. coverages shown are for 42,900 CFM unit; for 35,100 CFM unit, multiply values shown by 0.818
- ② Sq. Ft. coverages are shown for 42,900 CFM unit; for 39,000 CFM unit, multiply values shown by 0.909
- ③ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,250 MBH unit, multiply values shown by 0.714
- ④ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,500 MBH unit, multiply values shown by 0.857

IFP-300/175

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-300/175 Max CFM: 49,000 Max MBH: 1,750 | S.F. Coverage @ 1.0 ATH ①② | 147,000 | 117,600 | 98,000 | 84,000 | 73,500 | 65,333 | 58,800 |
| | BTU/Sq. Ft. ③④ | 11.9 | 14.9 | 17.9 | 20.8 | 23.8 | 26.8 | 29.8 |
| | S.F. Coverage @ 1.5 ATH ①② | 98,000 | 78,400 | 65,333 | 56,000 | 49,000 | 43,556 | 39,200 |
| | BTU/Sq. Ft. ③④ | 17.9 | 22.3 | 26.8 | 31.3 | 35.7 | 40.2 | 44.6 |
| | S.F. Coverage @ 2.0 ATH ①② | 73,500 | 58,800 | 49,000 | 42,000 | 36,750 | 32,667 | 29,400 |
| | BTU/Sq. Ft. ③④ | 23.8 | 29.8 | 35.7 | 41.7 | 47.6 | 53.6 | 59.5 |
| | S.F. Coverage @ 2.5 ATH ①② | 58,800 | 47,040 | 39,200 | 33,600 | 29,400 | 26,133 | 23,520 |
| | BTU/Sq. Ft. ③④ | 29.8 | 37.2 | 44.6 | 52.1 | 59.5 | 67.0 | 74.4 |
| | S.F. Coverage @ 3.0 ATH ①② | 49,000 | 39,200 | 32,667 | 28,000 | 24,500 | 21,778 | 19,600 |
| | BTU/Sq. Ft. ③④ | 35.7 | 44.6 | 53.6 | 62.5 | 71.4 | 80.4 | 89.3 |
| | S.F. Coverage @ 3.5 ATH ①② | 42,000 | 33,600 | 28,000 | 24,000 | 21,000 | 18,667 | 16,800 |
| | BTU/Sq. Ft. ③④ | 41.7 | 52.1 | 62.5 | 72.9 | 83.3 | 93.8 | 104.2 |

Notes:

- ① Sq. Ft. coverages shown are for 49,000 CFM unit; for 41,400 CFM unit, multiply values shown by 0.845
- ② Sq. Ft. coverages are shown for 49,000 CFM unit; for 46,000 CFM unit, multiply values shown by 0.939
- ③ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,250 MBH unit, multiply values shown by 0.714
- ④ BTU/Sq. Ft. values shown are for 1,750 MBH unit; for 1,500 MBH unit, multiply values shown by 0.857

IFP-300/250

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|--------|--------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-300/250 Max CFM: 49,000 Max MBH: 2,500 | S.F. Coverage @ 1.0 ATH ①② | 147,000 | 117,600 | 98,000 | 84,000 | 73,500 | 65,333 | 58,800 |
| | BTU/Sq. Ft. ③ | 17.0 | 21.3 | 25.5 | 29.8 | 34.0 | 38.3 | 42.5 |
| | S.F. Coverage @ 1.5 ATH ①② | 98,000 | 78,400 | 65,333 | 56,000 | 49,000 | 43,556 | 39,200 |
| | BTU/Sq. Ft. ③ | 25.5 | 31.9 | 38.3 | 44.6 | 51.0 | 57.4 | 63.8 |
| | S.F. Coverage @ 2.0 ATH ①② | 73,500 | 58,800 | 49,000 | 42,000 | 36,750 | 32,667 | 29,400 |
| | BTU/Sq. Ft. ③ | 34.0 | 42.5 | 51.0 | 59.5 | 68.0 | 76.5 | 85.0 |
| | S.F. Coverage @ 2.5 ATH ①② | 58,800 | 47,040 | 39,200 | 33,600 | 29,400 | 26,133 | 23,520 |
| | BTU/Sq. Ft. ③ | 42.5 | 53.1 | 63.8 | 74.4 | 85.0 | 95.7 | 106.3 |
| | S.F. Coverage @ 3.0 ATH ①② | 49,000 | 39,200 | 32,667 | 28,000 | 24,500 | 21,778 | 19,600 |
| | BTU/Sq. Ft. ③ | 51.0 | 63.8 | 76.5 | 89.3 | 102.0 | 114.8 | 127.6 |
| | S.F. Coverage @ 3.5 ATH ①② | 42,000 | 33,600 | 28,000 | 24,000 | 21,000 | 18,667 | 16,800 |
| | BTU/Sq. Ft. ③ | 59.5 | 74.4 | 89.3 | 104.2 | 119.0 | 133.9 | 148.8 |

Notes:

- ① Sq. Ft. coverages shown are for 49,000 CFM unit; for 41,400 CFM unit, multiply values shown by 0.845
- ② Sq. Ft. coverages are shown for 49,000 CFM unit; for 46,000 CFM unit, multiply values shown by 0.939
- ③ BTU/Sq. Ft. values shown are for 2,500 MBH unit; for 2,000 MBH unit, multiply values shown by 0.800

IFP-400/250

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|---------|---------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-400/250 Max CFM: 61,000 Max MBH: 2,500 | S.F. Coverage @ 1.0 ATH ①② | 183,000 | 146,400 | 122,000 | 104,571 | 91,500 | 81,333 | 73,200 |
| | BTU/Sq. Ft. ③ | 13.7 | 17.1 | 20.5 | 23.9 | 27.3 | 30.7 | 34.2 |
| | S.F. Coverage @ 1.5 ATH ①② | 122,000 | 97,600 | 81,333 | 69,714 | 61,000 | 54,222 | 48,800 |
| | BTU/Sq. Ft. ③ | 20.5 | 25.6 | 30.7 | 35.9 | 41.0 | 46.1 | 51.2 |
| | S.F. Coverage @ 2.0 ATH ①② | 91,500 | 73,200 | 61,000 | 52,286 | 45,750 | 40,667 | 36,600 |
| | BTU/Sq. Ft. ③ | 27.3 | 34.2 | 41.0 | 47.8 | 54.6 | 61.5 | 68.3 |
| | S.F. Coverage @ 2.5 ATH ①② | 73,200 | 58,560 | 48,800 | 41,829 | 36,600 | 32,533 | 29,280 |
| | BTU/Sq. Ft. ③ | 34.2 | 42.7 | 51.2 | 59.8 | 68.3 | 76.8 | 85.4 |
| | S.F. Coverage @ 3.0 ATH ①② | 61,000 | 48,800 | 40,667 | 34,857 | 30,500 | 27,111 | 24,400 |
| | BTU/Sq. Ft. ③ | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 92.2 | 102.5 |
| | S.F. Coverage @ 3.5 ATH ①② | 52,286 | 41,829 | 34,857 | 29,878 | 26,143 | 23,238 | 20,914 |
| | BTU/Sq. Ft. ③ | 47.8 | 59.8 | 71.7 | 83.7 | 95.6 | 107.6 | 119.5 |

Notes:

- ① Sq. Ft. coverages shown are for 61,000 CFM unit; for 51,000 CFM unit, multiply values shown by 0.836
- ② Sq. Ft. coverages are shown for 61,000 CFM unit; for 55,500 CFM unit, multiply values shown by 0.910
- ③ BTU/Sq. Ft. values shown are for 2,500 MBH unit; for 2,000 MBH unit, multiply values shown by 0.800

IFP-400/300

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|---------|---------|--------|--------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-400/300 Max CFM: 61,000 Max MBH: 3,000 | S.F. Coverage @ 1.0 ATH ①② | 183,000 | 146,400 | 122,000 | 104,571 | 91,500 | 81,333 | 73,200 |
| | BTU/Sq. Ft. ③ | 16.4 | 20.5 | 24.6 | 28.7 | 32.8 | 36.9 | 41.0 |
| | S.F. Coverage @ 1.5 ATH ①② | 122,000 | 97,600 | 81,333 | 69,714 | 61,000 | 54,222 | 48,800 |
| | BTU/Sq. Ft. ③ | 24.6 | 30.7 | 36.9 | 43.0 | 49.2 | 55.3 | 61.5 |
| | S.F. Coverage @ 2.0 ATH ①② | 91,500 | 73,200 | 61,000 | 52,286 | 45,750 | 40,667 | 36,600 |
| | BTU/Sq. Ft. ③ | 32.8 | 41.0 | 49.2 | 57.4 | 65.6 | 73.8 | 82.0 |
| | S.F. Coverage @ 2.5 ATH ①② | 73,200 | 58,560 | 48,800 | 41,829 | 36,600 | 32,533 | 29,280 |
| | BTU/Sq. Ft. ③ | 41.0 | 51.2 | 61.5 | 71.7 | 82.0 | 92.2 | 102.5 |
| | S.F. Coverage @ 3.0 ATH ①② | 61,000 | 48,800 | 40,667 | 34,857 | 30,500 | 27,111 | 24,400 |
| | BTU/Sq. Ft. ③ | 49.2 | 61.5 | 73.8 | 86.1 | 98.4 | 110.7 | 123.0 |
| | S.F. Coverage @ 3.5 ATH ①② | 52,286 | 41,829 | 34,857 | 29,878 | 26,143 | 23,238 | 20,914 |
| | BTU/Sq. Ft. ③ | 57.4 | 71.7 | 86.1 | 100.4 | 114.8 | 129.1 | 143.4 |

Notes:

- ① Sq. Ft. coverages shown are for 61,000 CFM unit; for 51,000 CFM unit, multiply values shown by 0.836
- ② Sq. Ft. coverages are shown for 61,000 CFM unit; for 55,500 CFM unit, multiply values shown by 0.910
- ③ BTU/Sq. Ft. values shown are for 3,000 MBH unit; for 2,750 MBH unit, multiply values shown by 0.917

IFP-600/300

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|---------|---------|---------|---------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600/300 Max CFM: 81,400 Max MBH: 3,000 | S.F. Coverage @ 1.0 ATH ①② | 244,200 | 195,360 | 162,800 | 139,543 | 122,100 | 108,533 | 97,680 |
| | BTU/Sq. Ft. ③ | 12.3 | 15.4 | 18.4 | 21.5 | 24.6 | 27.6 | 30.7 |
| | S.F. Coverage @ 1.5 ATH ①② | 162,800 | 130,240 | 108,533 | 93,029 | 81,400 | 72,356 | 65,120 |
| | BTU/Sq. Ft. ③ | 18.4 | 23.0 | 27.6 | 32.2 | 36.9 | 41.5 | 46.1 |
| | S.F. Coverage @ 2.0 ATH ①② | 122,100 | 97,680 | 81,400 | 69,771 | 61,050 | 54,267 | 48,840 |
| | BTU/Sq. Ft. ③ | 24.6 | 30.7 | 36.9 | 43.0 | 49.1 | 55.3 | 61.4 |
| | S.F. Coverage @ 2.5 ATH ①② | 97,680 | 78,144 | 65,120 | 55,817 | 48,840 | 43,413 | 39,072 |
| | BTU/Sq. Ft. ③ | 30.7 | 38.4 | 46.1 | 53.7 | 61.4 | 69.1 | 76.8 |
| | S.F. Coverage @ 3.0 ATH ①② | 81,400 | 65,120 | 54,267 | 46,514 | 40,700 | 36,178 | 32,560 |
| | BTU/Sq. Ft. ③ | 36.9 | 46.1 | 55.3 | 64.5 | 73.7 | 82.9 | 92.1 |
| | S.F. Coverage @ 3.5 ATH ①② | 69,771 | 55,817 | 46,514 | 39,869 | 34,886 | 31,010 | 27,909 |
| | BTU/Sq. Ft. ③ | 43.0 | 53.7 | 64.5 | 75.2 | 86.0 | 96.7 | 107.5 |

Notes:

- ① Sq. Ft. coverages shown are for 81,400 CFM unit; for 66,600 CFM unit, multiply values shown by 0.818
- ② Sq. Ft. coverages are shown for 81,400 CFM unit; for 74,000 CFM unit, multiply values shown by 0.909
- ③ BTU/Sq. Ft. values shown are for 3,000 MBH unit; for 2,750 MBH unit, multiply values shown by 0.917

IFP-600/400

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|-------------------------------|-----------------|---------|---------|---------|---------|---------|--------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600/400 Max CFM: 81,400 Max MBH: 4,000 | S.F. Coverage @ 1.0 ATH ①② | 244,200 | 195,360 | 162,800 | 139,543 | 122,100 | 108,533 | 97,680 |
| | BTU/Sq. Ft. ③④ | 16.4 | 20.5 | 24.6 | 28.7 | 32.8 | 36.9 | 41.0 |
| | S.F. Coverage @ 1.5 ATH ①② | 162,800 | 130,240 | 108,533 | 93,029 | 81,400 | 72,356 | 65,120 |
| | BTU/Sq. Ft. ③④ | 24.6 | 30.7 | 36.9 | 43.0 | 49.1 | 55.3 | 61.4 |
| | S.F. Coverage @ 2.0 ATH ①② | 122,100 | 97,680 | 81,400 | 69,771 | 61,050 | 54,267 | 48,840 |
| | BTU/Sq. Ft. ③④ | 32.8 | 41.0 | 49.1 | 57.3 | 65.5 | 73.7 | 81.9 |
| | S.F. Coverage @ 2.5 ATH ①② | 97,680 | 78,144 | 65,120 | 55,817 | 48,840 | 43,413 | 39,072 |
| | BTU/Sq. Ft. ③④ | 41.0 | 51.2 | 61.4 | 71.7 | 81.9 | 92.1 | 102.4 |
| | S.F. Coverage @ 3.0 ATH ①② | 81,400 | 65,120 | 54,267 | 46,514 | 40,700 | 36,178 | 32,560 |
| | BTU/Sq. Ft. ③④ | 49.1 | 61.4 | 73.7 | 86.0 | 98.3 | 110.6 | 122.9 |
| | S.F. Coverage @ 3.5 ATH ①② | 69,771 | 55,817 | 46,514 | 39,869 | 34,886 | 31,010 | 27,909 |
| | BTU/Sq. Ft. ③④ | 57.3 | 71.7 | 86.0 | 100.3 | 114.7 | 129.0 | 143.3 |

Notes:

- ① Sq. Ft. coverages shown are for 81,400 CFM unit; for 66,600 CFM unit, multiply values shown by 0.818
- ② Sq. Ft. coverages are shown for 81,400 CFM unit; for 74,000 CFM unit, multiply values shown by 0.909
- ③ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,250 MBH unit, multiply values shown by 0.813
- ④ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,500 MBH unit, multiply values shown by 0.875

IFP-600S/400

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600S/400 Max CFM: 100,000 Max MBH: 4,000 | S.F. Coverage @ 1.0 ATH ①② | 300,000 | 240,000 | 200,000 | 171,429 | 150,000 | 133,333 | 120,000 |
| | BTU/Sq. Ft. ③④ | 13.3 | 16.7 | 20.0 | 23.3 | 26.7 | 30.0 | 33.3 |
| | S.F. Coverage @ 1.5 ATH ①② | 200,000 | 160,000 | 133,333 | 114,286 | 100,000 | 88,889 | 80,000 |
| | BTU/Sq. Ft. ③④ | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 |
| | S.F. Coverage @ 2.0 ATH ①② | 150,000 | 120,000 | 100,000 | 85,714 | 75,000 | 66,667 | 60,000 |
| | BTU/Sq. Ft. ③④ | 26.7 | 33.3 | 40.0 | 46.7 | 53.3 | 60.0 | 66.7 |
| | S.F. Coverage @ 2.5 ATH ①② | 120,000 | 96,000 | 80,000 | 68,571 | 60,000 | 53,333 | 48,000 |
| | BTU/Sq. Ft. ③④ | 33.3 | 41.7 | 50.0 | 58.3 | 66.7 | 75.0 | 83.3 |
| | S.F. Coverage @ 3.0 ATH ①② | 100,000 | 80,000 | 66,667 | 57,143 | 50,000 | 44,444 | 40,000 |
| | BTU/Sq. Ft. ③④ | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 | 100.0 |
| | S.F. Coverage @ 3.5 ATH ①② | 85,714 | 68,571 | 57,143 | 48,980 | 42,857 | 38,095 | 34,286 |
| | BTU/Sq. Ft. ③④ | 46.7 | 58.3 | 70.0 | 81.7 | 93.3 | 105.0 | 116.7 |

Notes:

- ① Sq. Ft. coverages shown are for 100,000 CFM unit; for 83,200 CFM unit, multiply values shown by 0.832
- ② Sq. Ft. coverages are shown for 100,000 CFM unit; for 92,500 CFM unit, multiply values shown by 0.925
- ③ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,250 MBH unit, multiply values shown by 0.813
- ④ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,500 MBH unit, multiply values shown by 0.875

IFP-600S/600

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|--|----------------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600S/600 Max CFM: 100,000 Max MBH: 6,000 | S.F. Coverage @ 1.0 ATH ①② | 300,000 | 240,000 | 200,000 | 171,429 | 150,000 | 133,333 | 120,000 |
| | BTU/Sq. Ft. ③ | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 |
| | S.F. Coverage @ 1.5 ATH ①② | 200,000 | 160,000 | 133,333 | 114,286 | 100,000 | 88,889 | 80,000 |
| | BTU/Sq. Ft. ③ | 30.0 | 37.5 | 45.0 | 52.5 | 60.0 | 67.5 | 75.0 |
| | S.F. Coverage @ 2.0 ATH ①② | 150,000 | 120,000 | 100,000 | 85,714 | 75,000 | 66,667 | 60,000 |
| | BTU/Sq. Ft. ③ | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 | 100.0 |
| | S.F. Coverage @ 2.5 ATH ①② | 120,000 | 96,000 | 80,000 | 68,571 | 60,000 | 53,333 | 48,000 |
| | BTU/Sq. Ft. ③ | 50.0 | 62.5 | 75.0 | 87.5 | 100.0 | 112.5 | 125.0 |
| | S.F. Coverage @ 3.0 ATH ①② | 100,000 | 80,000 | 66,667 | 57,143 | 50,000 | 44,444 | 40,000 |
| | BTU/Sq. Ft. ③ | 60.0 | 75.0 | 90.0 | 105.0 | 120.0 | 135.0 | 150.0 |
| | S.F. Coverage @ 3.5 ATH ①② | 85,714 | 68,571 | 57,143 | 48,980 | 42,857 | 38,095 | 34,286 |
| | BTU/Sq. Ft. ③ | 70.0 | 87.5 | 105.0 | 122.5 | 140.0 | 157.5 | 175.0 |

Notes:

- ① Sq. Ft. coverages shown are for 100,000 CFM unit; for 83,200 CFM unit, multiply values shown by 0.832
- ② Sq. Ft. coverages are shown for 100,000 CFM unit; for 92,500 CFM unit, multiply values shown by 0.925
- ③ BTU/Sq. Ft. values shown are for 6,000 MBH unit; for 5,000 MBH unit, multiply values shown by 0.833

IFP-600SS/400

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600SS/400 Max CFM: 150,000 Max MBH: 4,000 | S.F. Coverage @ 1.0 ATH ①② | 450,000 | 360,000 | 300,000 | 257,143 | 225,000 | 200,000 | 180,000 |
| | BTU/Sq. Ft. ③④ | 8.9 | 11.1 | 13.3 | 15.6 | 17.8 | 20.0 | 22.2 |
| | S.F. Coverage @ 1.5 ATH ①② | 300,000 | 240,000 | 200,000 | 171,429 | 150,000 | 133,333 | 120,000 |
| | BTU/Sq. Ft. ③④ | 13.3 | 16.7 | 20.0 | 23.3 | 26.7 | 30.0 | 33.3 |
| | S.F. Coverage @ 2.0 ATH ①② | 225,000 | 180,000 | 150,000 | 128,571 | 112,500 | 100,000 | 90,000 |
| | BTU/Sq. Ft. ③④ | 17.8 | 22.2 | 26.7 | 31.1 | 35.6 | 40.0 | 44.4 |
| | S.F. Coverage @ 2.5 ATH ①② | 180,000 | 144,000 | 120,000 | 102,857 | 90,000 | 80,000 | 72,000 |
| | BTU/Sq. Ft. ③④ | 22.2 | 27.8 | 33.3 | 38.9 | 44.4 | 50.0 | 55.6 |
| | S.F. Coverage @ 3.0 ATH ①② | 150,000 | 120,000 | 100,000 | 85,714 | 75,000 | 66,667 | 60,000 |
| | BTU/Sq. Ft. ③④ | 26.7 | 33.3 | 40.0 | 46.7 | 53.3 | 60.0 | 66.7 |
| | S.F. Coverage @ 3.5 ATH ①② | 128,571 | 102,857 | 85,714 | 73,469 | 64,286 | 57,143 | 51,429 |
| | BTU/Sq. Ft. ③④ | 31.1 | 38.9 | 46.7 | 54.4 | 62.2 | 70.0 | 77.8 |

Notes:

- ① Sq. Ft. coverages shown are for 150,000 CFM unit; for 123,000 CFM unit, multiply values shown by 0.820
- ② Sq. Ft. coverages are shown for 150,000 CFM unit; for 136,500 CFM unit, multiply values shown by 0.910
- ③ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,250 MBH unit, multiply values shown by 0.813
- ④ BTU/Sq. Ft. values shown are for 4,000 MBH unit; for 3,500 MBH unit, multiply values shown by 0.875

IFP-600SS/600

| Unit Size and Capacities | | BUILDING HEIGHT | | | | | | |
|---|----------------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| | | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
| IFP-600SS/600 Max CFM: 150,000 Max MBH: 6,000 | S.F. Coverage @ 1.0 ATH ①② | 450,000 | 360,000 | 300,000 | 257,143 | 225,000 | 200,000 | 180,000 |
| | BTU/Sq. Ft. ③ | 13.3 | 16.7 | 20.0 | 23.3 | 26.7 | 30.0 | 33.3 |
| | S.F. Coverage @ 1.5 ATH ①② | 300,000 | 240,000 | 200,000 | 171,429 | 150,000 | 133,333 | 120,000 |
| | BTU/Sq. Ft. ③ | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 |
| | S.F. Coverage @ 2.0 ATH ①② | 225,000 | 180,000 | 150,000 | 128,571 | 112,500 | 100,000 | 90,000 |
| | BTU/Sq. Ft. ③ | 26.7 | 33.3 | 40.0 | 46.7 | 53.3 | 60.0 | 66.7 |
| | S.F. Coverage @ 2.5 ATH ①② | 180,000 | 144,000 | 120,000 | 102,857 | 90,000 | 80,000 | 72,000 |
| | BTU/Sq. Ft. ③ | 33.3 | 41.7 | 50.0 | 58.3 | 66.7 | 75.0 | 83.3 |
| | S.F. Coverage @ 3.0 ATH ①② | 150,000 | 120,000 | 100,000 | 85,714 | 75,000 | 66,667 | 60,000 |
| | BTU/Sq. Ft. ③ | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 | 100.0 |
| | S.F. Coverage @ 3.5 ATH ①② | 128,571 | 102,857 | 85,714 | 73,469 | 64,286 | 57,143 | 51,429 |
| | BTU/Sq. Ft. ③ | 46.7 | 58.3 | 70.0 | 81.7 | 93.3 | 105.0 | 116.7 |

Notes:

- ① Sq. Ft. coverages shown are for 150,000 CFM unit; for 123,000 CFM unit, multiply values shown by 0.820
- ② Sq. Ft. coverages are shown for 150,000 CFM unit; for 136,500 CFM unit, multiply values shown by 0.910
- ③ BTU/Sq. Ft. values shown are for 6,000 MBH unit; for 5,000 MBH unit, multiply values shown by 0.833