

Commercial and Industrial Ceiling Fan Selection and Layout

To plan a ceiling fan layout, first determine the best type of fan based on ceiling height and conditions. Next, use this chart and the square footage to be fanned to determine the number of fans needed.

(1) Fan height is the distance from mounted fan to the floor.

(2) Floor area coverage for the type and size of mounted fan is measured from the center of the fan out.

(3) Calculate the number of fans required for the floor area to be fanned.

Take into account any obstacles that could restrict airflow or placement (office partitions, stacked boxes, ductwork, cranes, etc.).

Calculate several scenarios to ensure proper coverage and placement using the minimum number of fans.

Fan Height	Commercial			Industrial			Moisture-Resistant	
	36"	48"	56"	56"	60"	56"	60"	
7 Ft. 1"	30 Ft. x 30 Ft.	35 Ft. x 35 Ft.	40 Ft. x 40 Ft.	—	—	—	—	
10 Ft.	35 Ft. x 35 Ft.	40 Ft. x 40 Ft.	50 Ft. x 50 Ft.	70 Ft. x 70 Ft.	—	50 Ft. x 50 Ft.	60 Ft. x 60 Ft.	
20 Ft.	40 Ft. x 40 Ft.	45 Ft. x 45 Ft.	55 Ft. x 55 Ft.	60 Ft. x 60 Ft.	70 Ft. x 70 Ft.	55 Ft. x 55 Ft.	70 Ft. x 70 Ft.	
30 Ft.	—	—	—	55 Ft. x 55 Ft.	65 Ft. x 65 Ft.	50 Ft. x 50 Ft.	65 Ft. x 65 Ft.	
40 Ft.	—	—	—	40 Ft. x 40 Ft.	60 Ft. x 60 Ft.	40 Ft. x 40 Ft.	60 Ft. x 60 Ft.	