



from Associated Equipment Corp.

| AMBIENT AIR CLEANER CALCULATION WORKSHEET | | |
|---|--|----------------|
| # 1 | ROOM OR WORK AREA HEIGHT | |
| # 2 | ROOM OR WORK AREA WIDTH | |
| # 3 | ROOM OR WORK AREA LENGTH | |
| # 4 | ROOM OR WORK AREA CUBIC FEET (#1 X #2 X #3) | |
| # 5 | DESIRED AIR CHANGES PER HOUR (Industry standards are 10-15 changes per hour. Err on the side of caution and calculate at 15 changes per hour) | 15 |
| # 6 | CUBIC FEET OF AIR TO BE CLEANED PER HOUR (#4 X #5) | |
| # 7 | AMBIENT AIR CLEANER CUBIC FEET PER HOUR RATING (1800 CFM X 60) | 108,000 |
| # 8 | NUMBER OF AIR CLEANERS REQUIRED FOR ROOM OR WORK AREA (#6 / #7) | |

| AMBIENT AIR CLEANER CALCULATION EXAMPLE | | |
|---|--|-----------------|
| # 1 | ROOM OR WORK AREA HEIGHT | 24 ft. |
| # 2 | ROOM OR WORK AREA WIDTH | 50 ft. |
| # 3 | ROOM OR WORK AREA LENGTH | 75 ft. |
| # 4 | ROOM OR WORK AREA CUBIC FEET (#1 X #2 X #3) | 90,000 cf |
| # 5 | DESIRED AIR CHANGES PER HOUR (Industry standards are 10-15 changes per hour. Err on the side of caution and calculate at 15 changes per hour) | 15 |
| # 6 | CUBIC FEET OF AIR TO BE CLEANED PER HOUR (#4 X #5) | 1,350,000 ach |
| # 7 | AMBIENT AIR CLEANER CUBIC FEET PER HOUR RATING (1800 CFM X 60) | 108,000 cfh |
| # 8 | NUMBER OF AIR CLEANERS REQUIRED FOR ROOM OR WORK AREA (#6 / #7) | 12.5 (13 units) |