



MAFLOW SYSTEM PERFORMANCE DATA CENTER PANEL

CFM per sq. ft.	10	20	30	40	50	60	70	80
Ps	0.06	0.13	0.21	0.30	0.40	0.48	0.58	0.69
NC	< 20	< 20	23	26	32	34	39	42
Velocity at 6-ft (single panel)	20	35	50	65	70	80	90	100
Velocity at 6-ft (multi-panels 1)	20	35	50	70	80	90	100	110
Velocity at 6-ft (multi-panels 2)	25	40	60	80	100	110	120	130

PERFORMANCE NOTES FOR MAFLOW SYSTEM — CENTER PANEL

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw vertical throw at a 50 fpm terminal velocity and temperature differential of 15°

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10^{-12} watts minus a 10dB room attenuation in all octave bands maximum inlet velocity of 500 fpm. NC based on center panel area of 4 square feet.

To calculate NC for other panel areas, add the result of the following equation to the NC value from table above: $NC\ adjustment = 10 \times \log(\text{multi-panel area} / 4)$

Multi-panels 1 - Average velocity at 6 feet for adjacent panels totaling 15 to 30 square feet

Multi-panels 2 - Average velocity at 6 feet for adjacent panels totaling more than 30 square feet

MAFLOW SYSTEM PERFORMANCE DATA PERIMETER PANEL

CFM per linear ft.	20	30	40	50	60	70	80	80
Ps	0.02	0.03	0.06	0.09	0.13	0.18	0.23	0.69
Throw (ft)	5	6	7	8	9	10	11	42
NC	< 15	< 15	< 15	< 15	18	21	25	130

PERFORMANCE NOTES FOR MAFLOW SYSTEM — PERIMETER PANEL

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw vertical throw at a 50 fpm terminal velocity and temperature differential of 15°

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10^{-12} watts minus a 10dB room attenuation in all octave bands maximum inlet velocity of 500 fpm. NC based on center panel area of 4 square feet.

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