

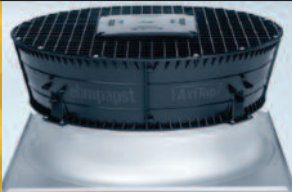


ACX CONDENSER SERIES

**LOWEST SOUND RATING AND POWER
CONSUMPTION IN THE INDUSTRY**



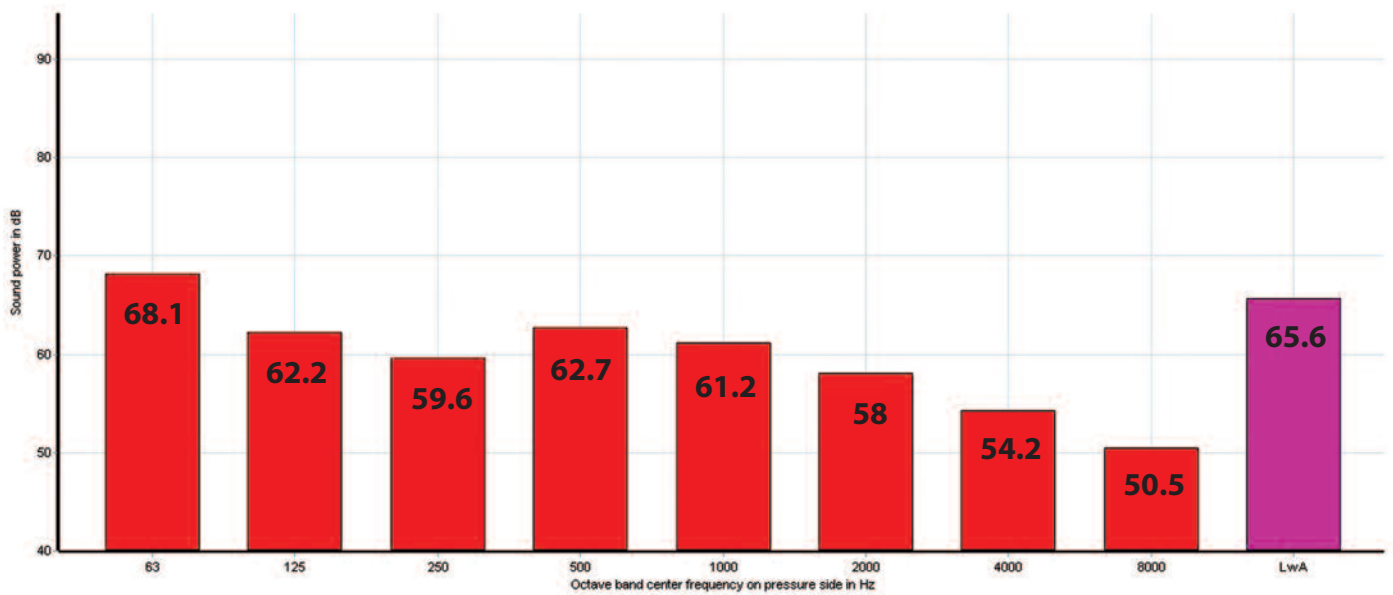
INNOVATIVE HEAT TRANSFER PRODUCTS



AIR COOLED CONDENSERS ACX SERIES

Power and Noise level Comparison for Air Cooled condensers
Based on standard air flow rate of 10,300 CFM per fan for 800 mm size fans

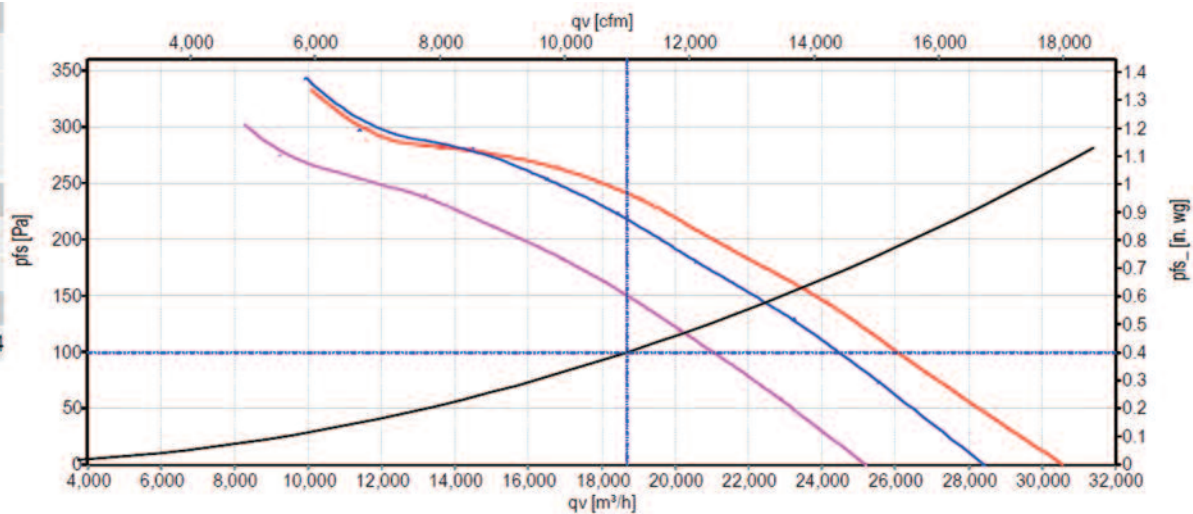
Octave Band Sound Data



LOW NOISE DESIGN

Operating Point

| | |
|-----------------------|----------|
| Air flow: | |
| 18690 | m³/h |
| 11000 | cfm |
| 5.191 | m³/s |
| 5191 | l/s |
| Pressure: | |
| 99.64 | Pa |
| 0.4 | in. wg |
| Air density [lbm/ft³] | |
| p new | 0.074914 |



Power savings comparison at same air flow

| Unit | Air Flow [cfm] | Input Power [Watts] | Power Savings |
|------------------------|----------------|---------------------|---------------|
| Standard AC | 10,300 | 1940 | --- |
| EC Motor | 10,300 | 1480 | 23.7 |
| EC Motor with diffuser | 10,300 | 1220 | 37.5 |

Noise Reduction at same air flow

| Unit | Air Flow [cfm] | Sound Power [dB(A)] | Noise Reduction [dB(A)] |
|------------------------|----------------|---------------------|-------------------------|
| Standard AC | 10,300 | 89.1 | --- |
| EC Motor | 10,300 | 86.2 | -2.9 |
| EC Motor with diffuser | 10,300 | 81 | -8.1 |

SOUND CHAMBER AND AIR FLOW TEST CHAMBER TESTS



Shhhhh....
These fans are so quiet,
I can not hear them!



5055 Taylor Kidd Boulevard
Millhaven, Ontario K0H 1G0
P 613.544.2200
F 613.544.7779
directcoil.com

