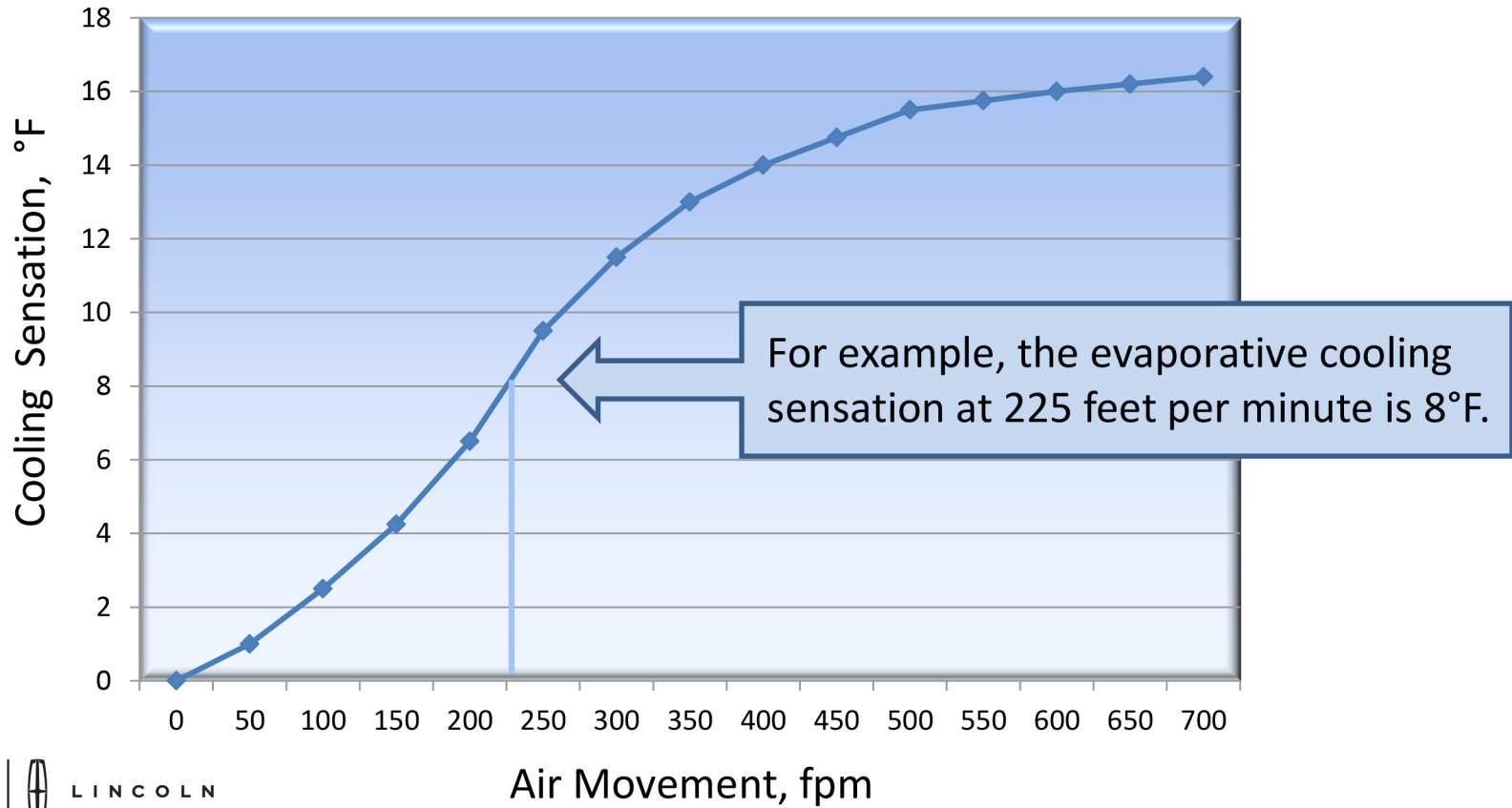


ZOO Fans, hung in closer proximity,
can also be used as *spot coolers*.



Spot Cooling

ZOO Fans may also be used for spot cooling by observing simple guidelines. First, select and use the H60 fan. Second, fans should be installed in the area to be spot cooled with a maximum height in the 20' to 25' range—17'to 20' is ideal. You will also need to consider more fans for the job than the equation for destratification only, described above, will yield. These additional fans will provide increased air flow over occupants which can, of course, be adjusted with our variable speed controller.

As discussed in BSR/ASHRAE Standard 55P, Thermal Environmental Conditions for Human Occupancy 2/24/03: “Large individual differences exist between people with regard to the preferred air speed. Therefore, the elevated air speed must be under the direct control of the affected occupants and adjustable in steps no greater than 0.15 m/s (30 fpm). The benefits that can be gained by increasing air speed depend on clothing and activity. Due to increases in skin wetness, the effect of increased speed is greater with elevated activity than with sedentary activity. Due to increased amounts of exposed skin, the effect of increased air speed is greater with lighter clothing.”