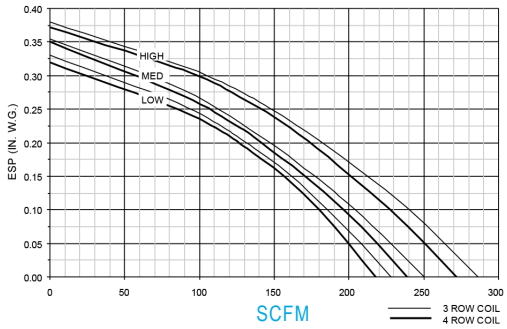
Fan Performance Curves (PSC Motors)

GENERAL FAN NOTES, PSC MOTORS

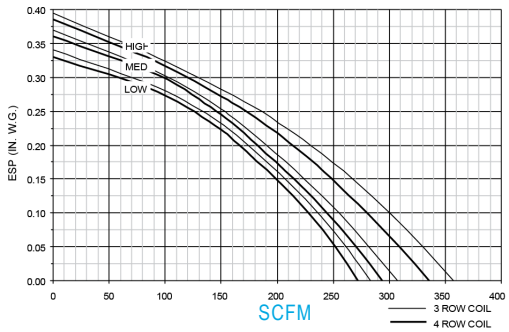
1. Fan curves on the following pages depict actual performance of each motor tap without any additional fan balance adjustment. Actual capacities which fall below each curve can be obtained by adding an adjustment device. Units should not be run prior to installation of downstream ductwork; otherwise, damage to the motor may result.
2. Titus Fan Coil Units are equipped with permanent split-capacitor (PSC) motors with three taps (High, Medium and Low) which provides variable horsepower outputs. Most often, size selections are conservative and actual CFM requirements and/or external static pressure requirements are lower than those specified. In this case, the unit fan motor can be run at low or medium tap, substantially reducing the operating cost of the unit.
3. All fan curves are for 115/1/60 motors and include pressure losses for cabinet, electric heater, and 3 or 4 row coil. Plenum units include a clean 1" throwaway filter. For other coil configurations, adjust performance curves based on pressure losses for the coils using TEAMS.
4. See page 114 for fan motor electrical data
5. For additional high static pressure applications and rating points, contact factory

Size 20

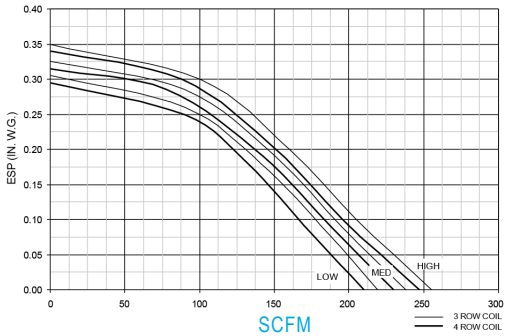
THBP Plenum Return



THBC Free Return

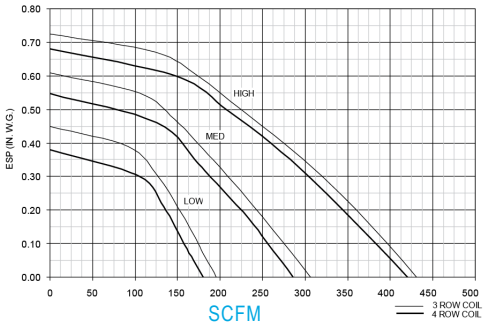


THBE Exposed Cabinet



Size 25

THBP Plenum Return



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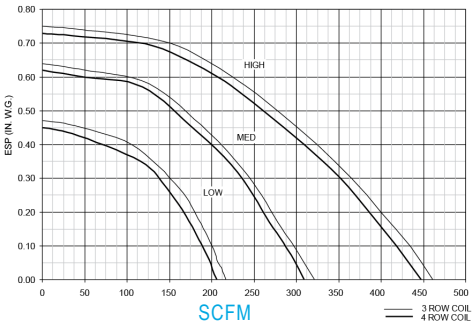
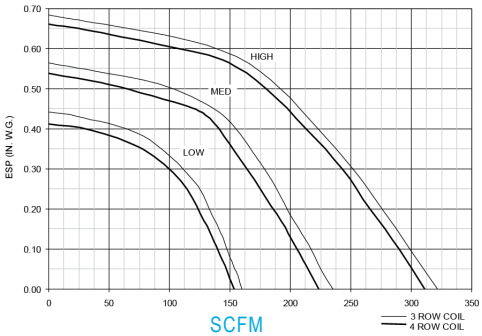


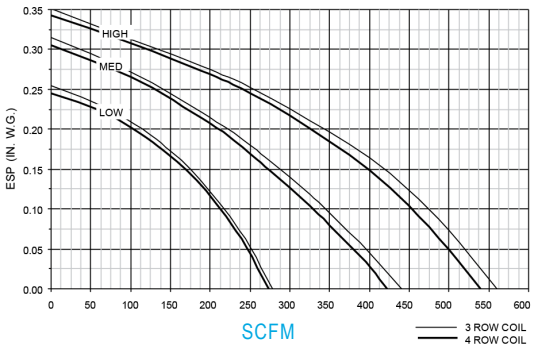
THBE Exposed Cabinet



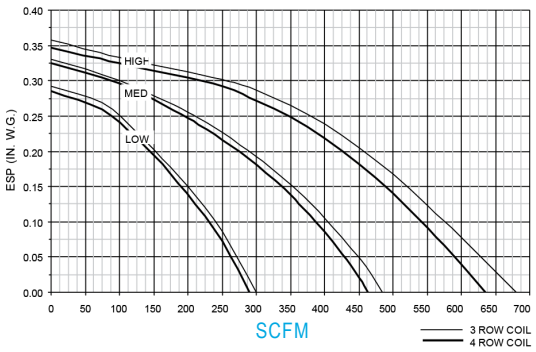
FAN CURVES / PSC MOTOR

Size 30

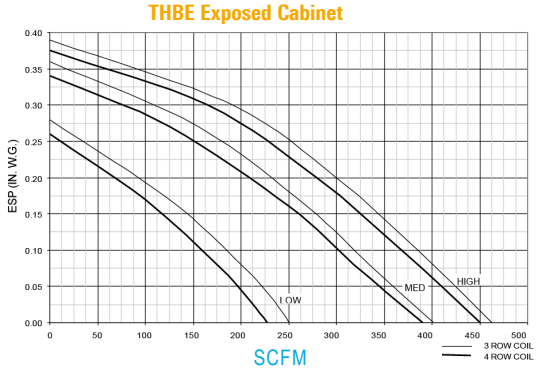
THBP Plenum Return



THBC Free Return

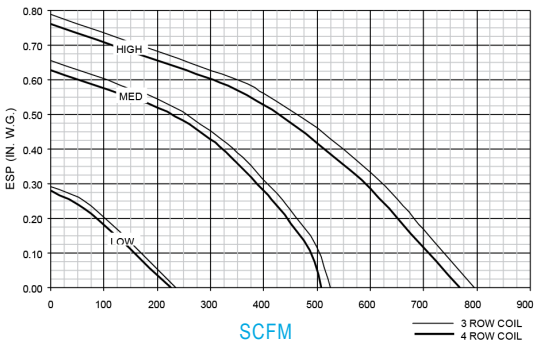


THBE Exposed Cabinet

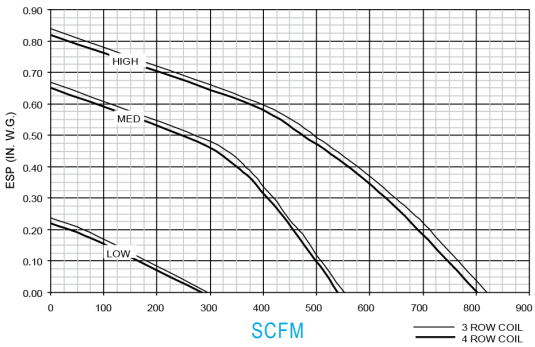


Size 40

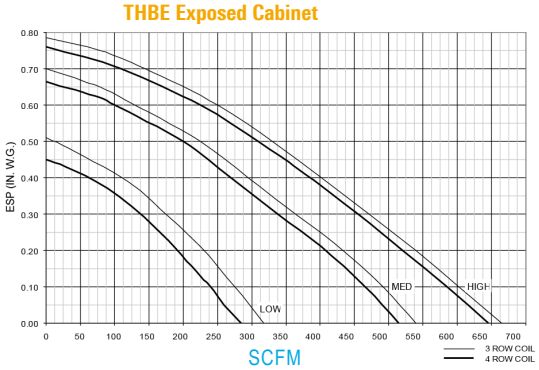
THBP Plenum Return



THBC Free Return



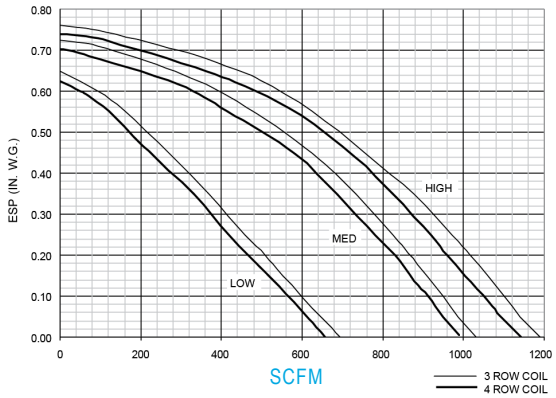
THBE Exposed Cabinet



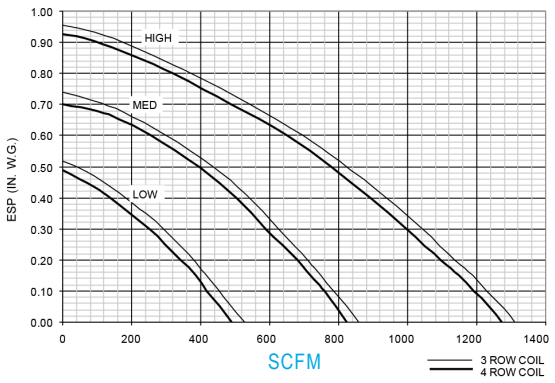
FAN CURVES / PSC MOTOR

Size 50

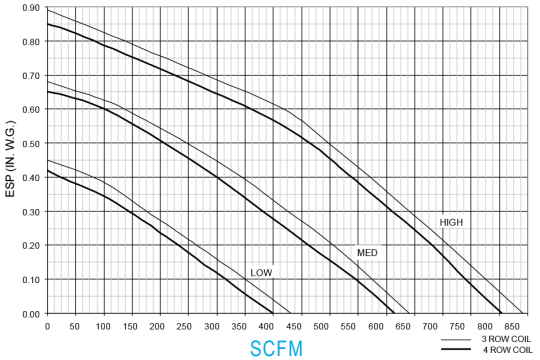
THBP Plenum Return



THBC Free Return

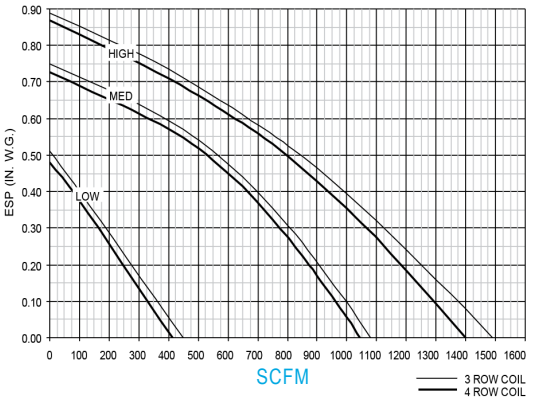


THBE Exposed Cabinet

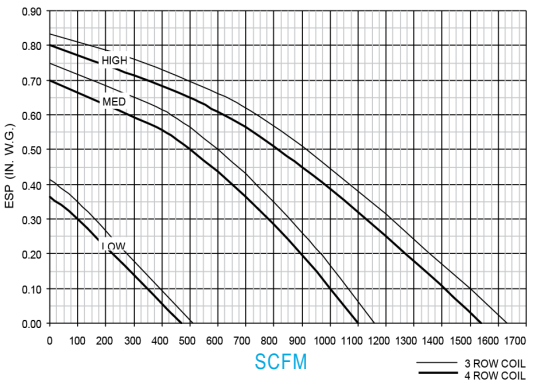


Size 60

THBP Plenum Return



THBC Free Return



THBE Exposed Cabinet