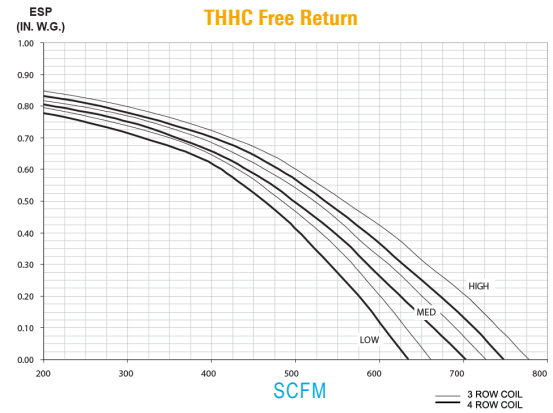
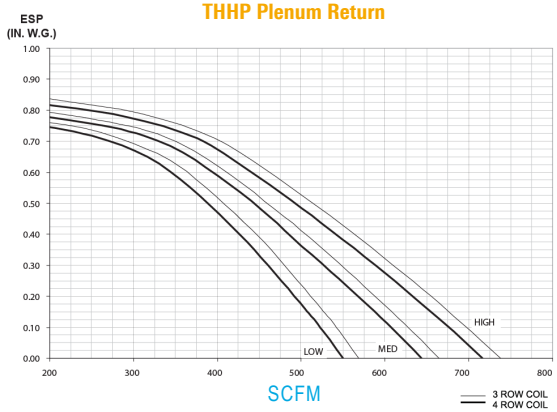
Fan Curves / PSC Motor

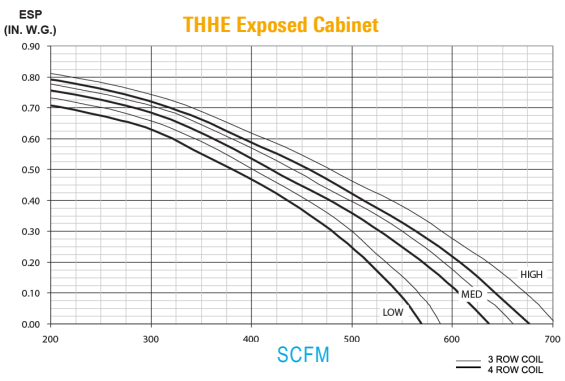
GENERAL FAN NOTES, PSC MOTORS

1. Fan curves 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 separate taps (High, Medium and Low which provide 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 as selected with the Titus TEAMS Coil Selection Program.
4. See page 92 for fan motor electrical data
5. For additional high static pressure applications and rating points, contact Titus

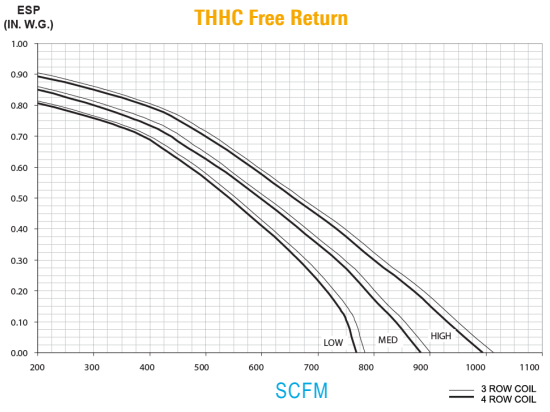
SIZE 06

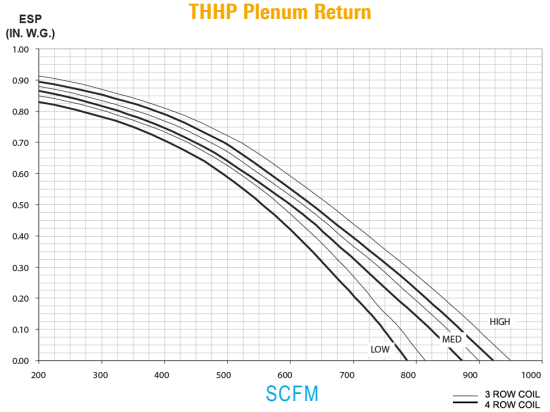


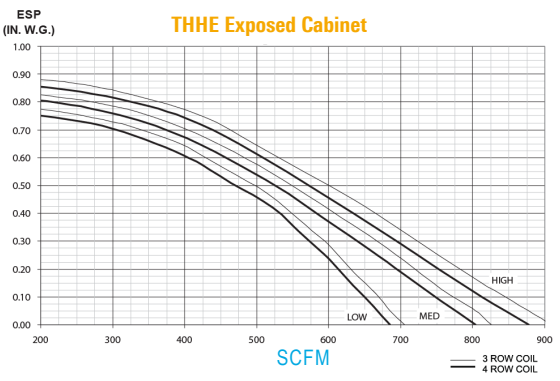




SIZE 08



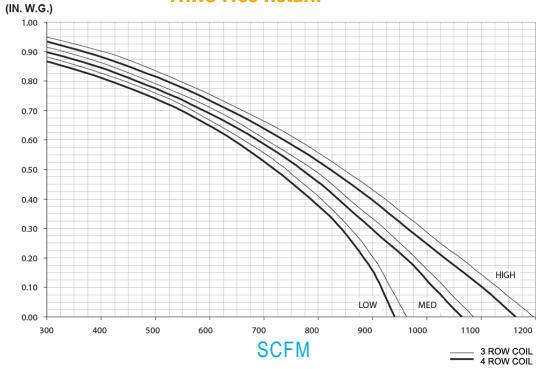




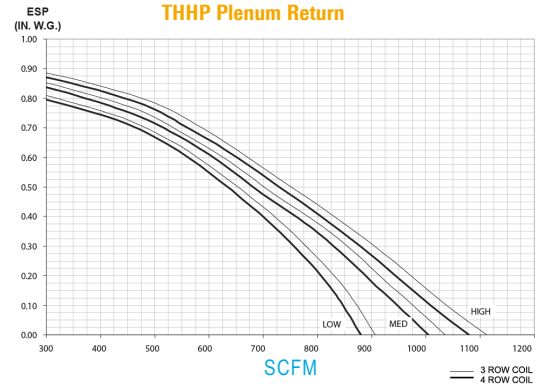
FAN CURVES / PSC MOTOR

SIZE 10

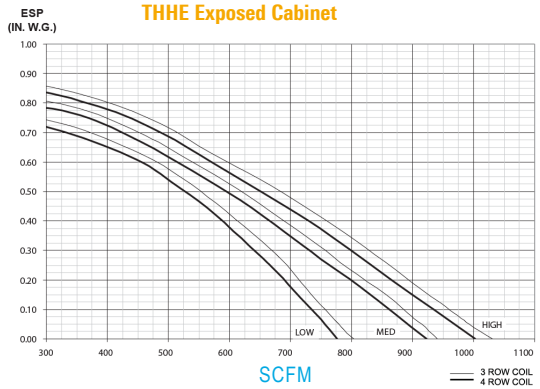
THHC Free Return



THHP Plenum Return

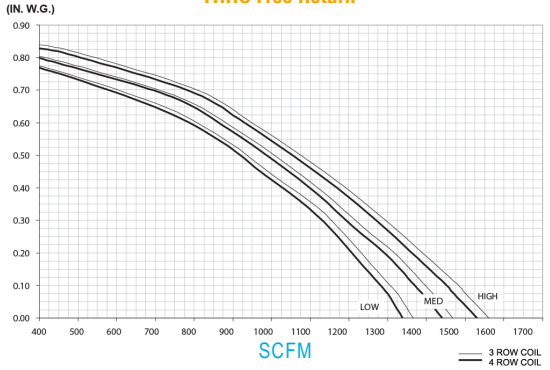


THHE Exposed Cabinet

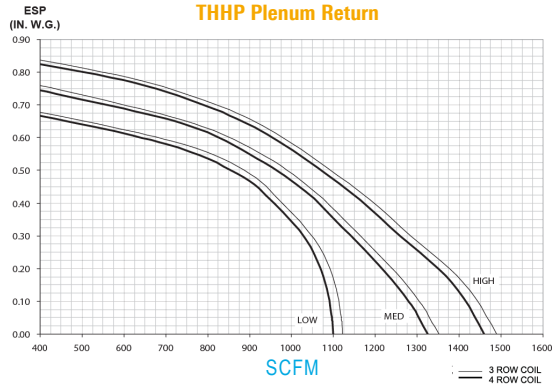


SIZE 12

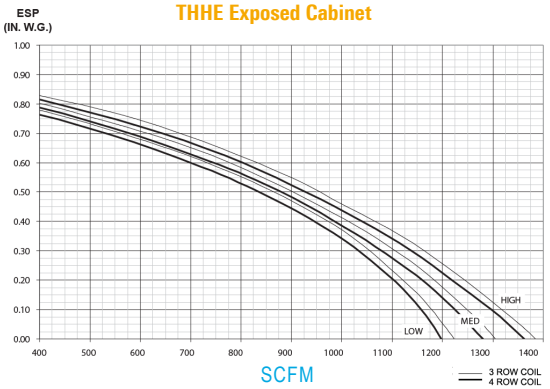
THHC Free Return



THHP Plenum Return



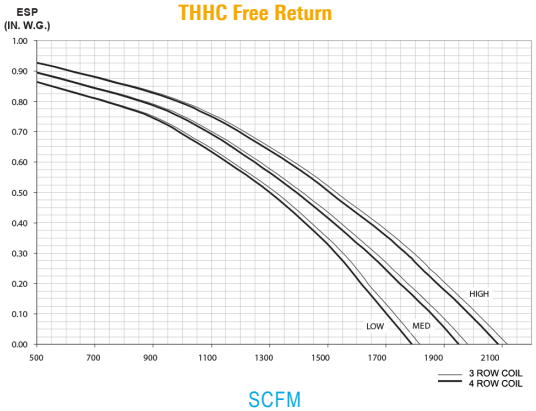
THHE Exposed Cabinet



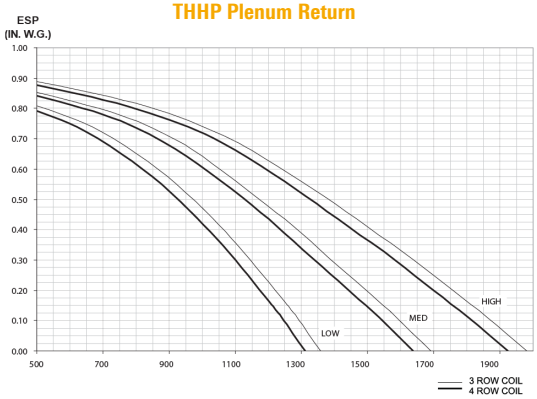
FAN CURVES / PSC MOTOR

SIZE 14

THHC Free Return



THHP Plenum Return



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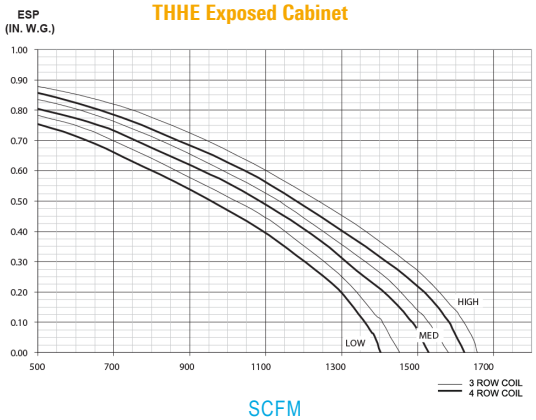
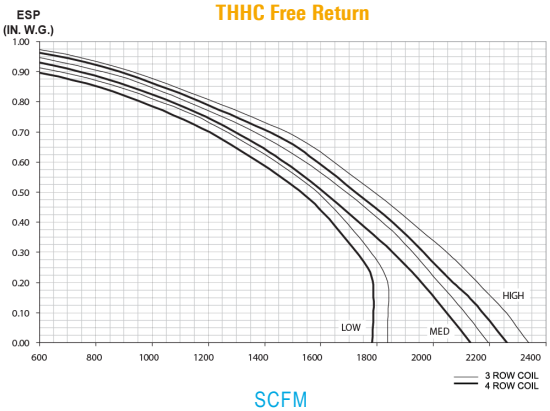
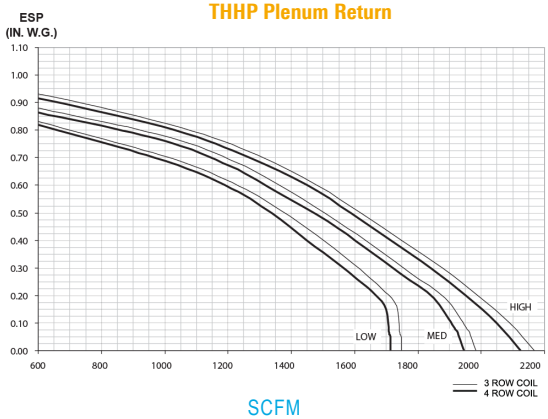


SIZE 16

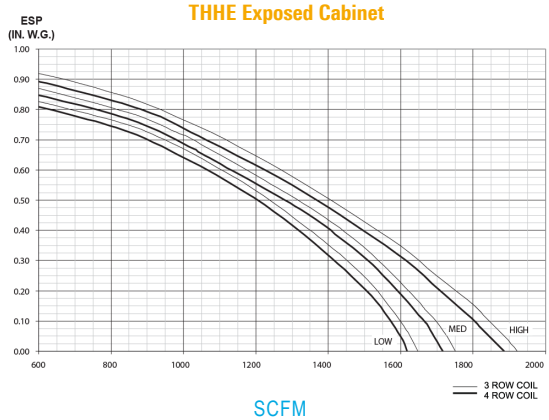
THHC Free Return



THHP Plenum Return



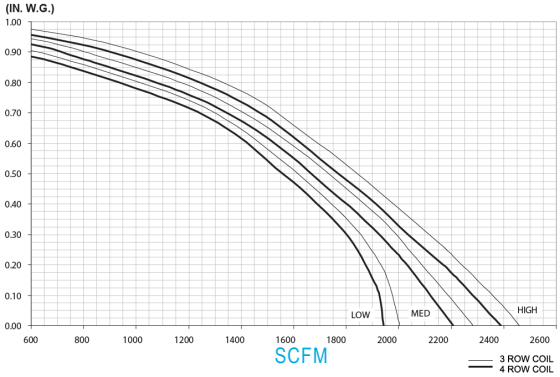
THHE Exposed Cabinet



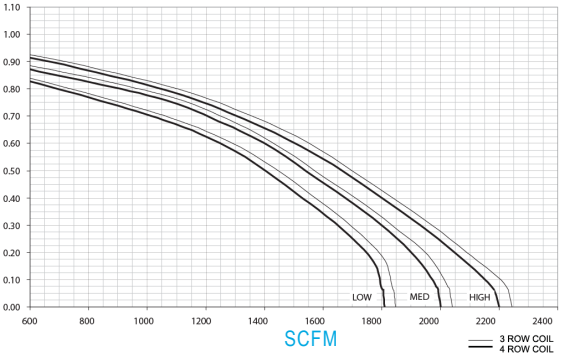
FAN CURVES / PSC MOTOR

SIZE 18

THHC Free Return



THHP Plenum Return



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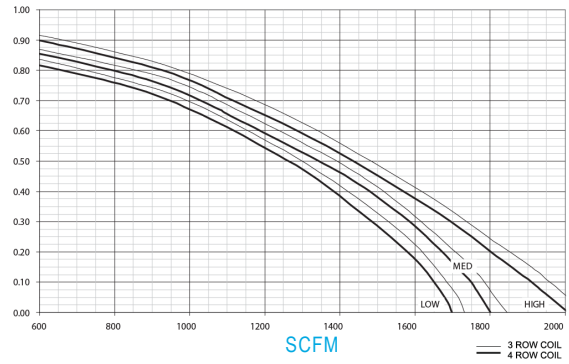
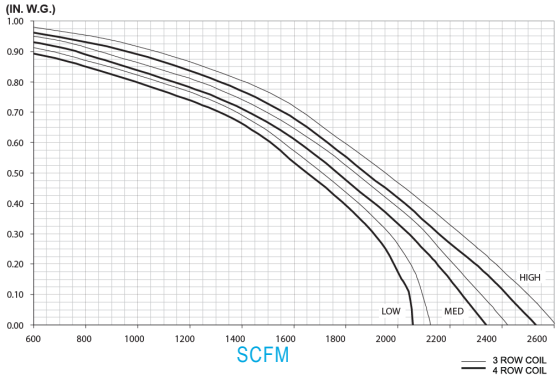
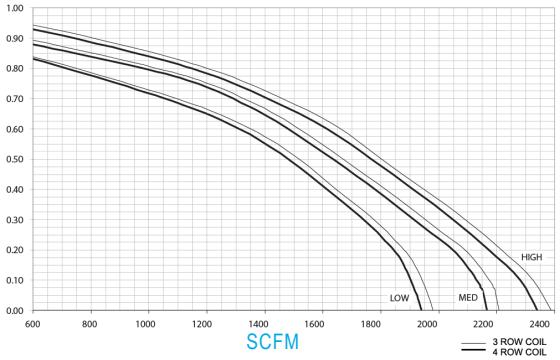


SIZE 20

THHC Free Return



THHP Plenum Return



THHE Exposed Cabinet