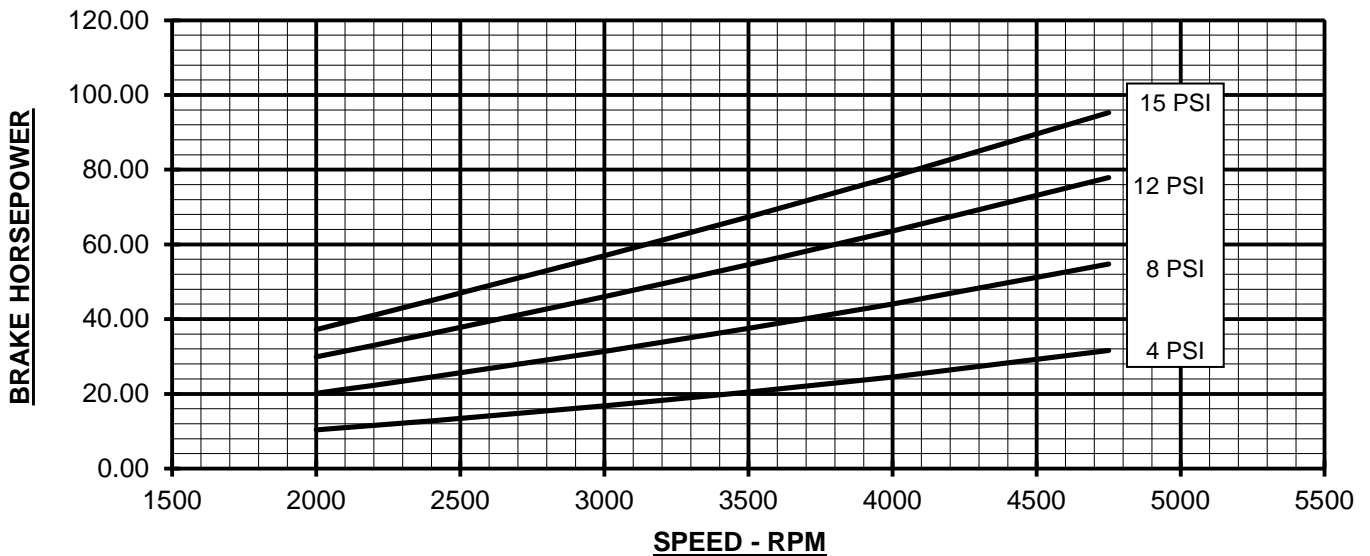
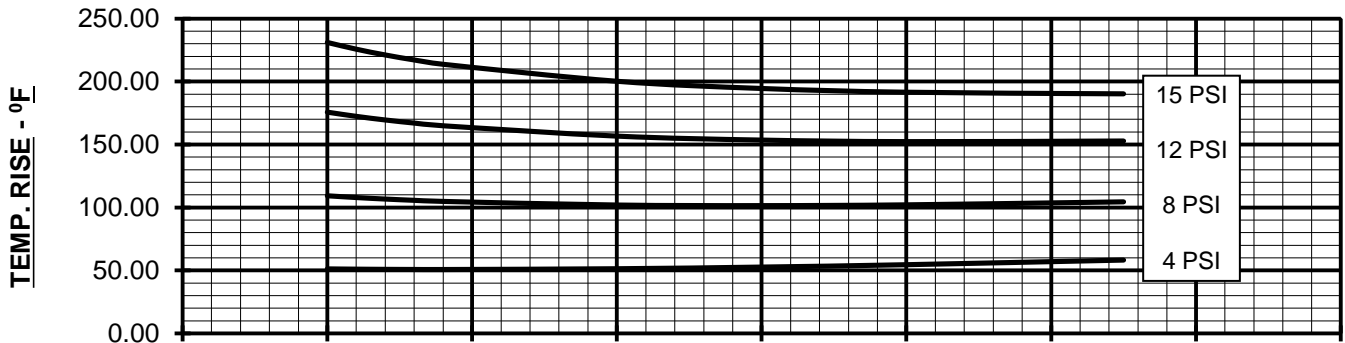
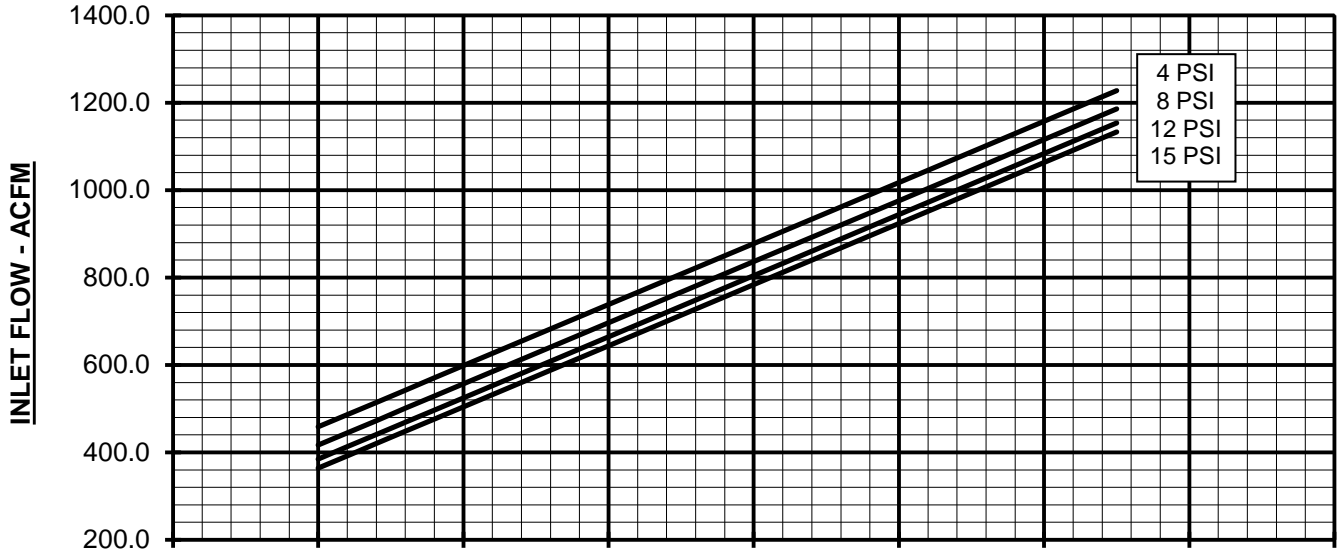




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**PRESSURE PERFORMANCE**  
**413 TRI-RAM BLOWER**  
 MAX. PRESSURE RISE = 15 PSI  
 MAX. SPEED = 4750 RPM

PERFORMANCE BASED ON AIR  
 INLET PRESSURE = 14.7 PSIA  
 INLET TEMPERATURE = 68 °F  
 CURVES GENERATED: JUN-2015



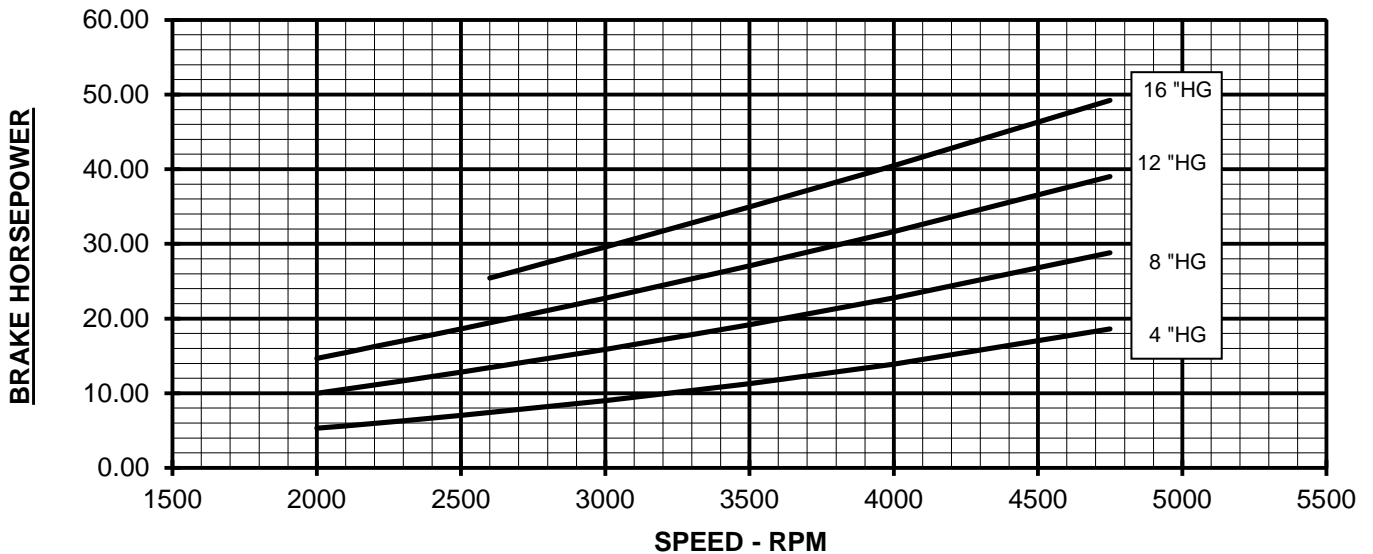
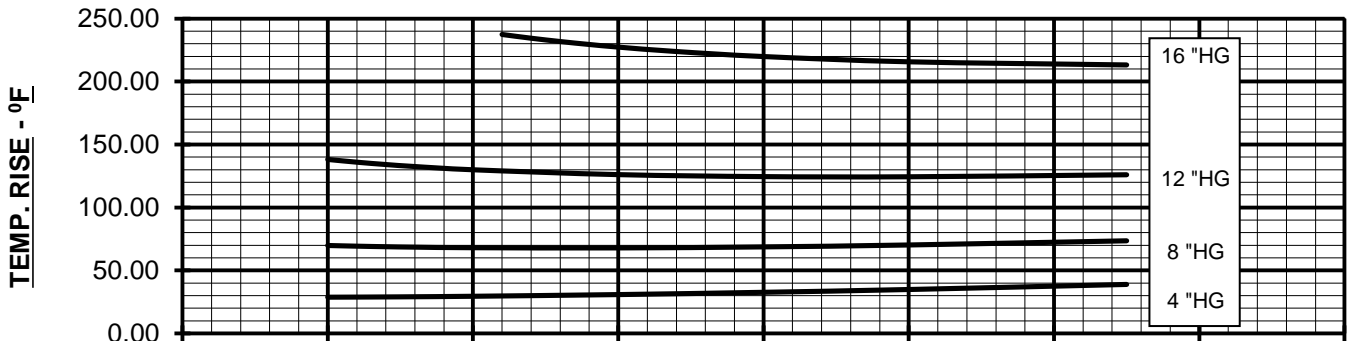
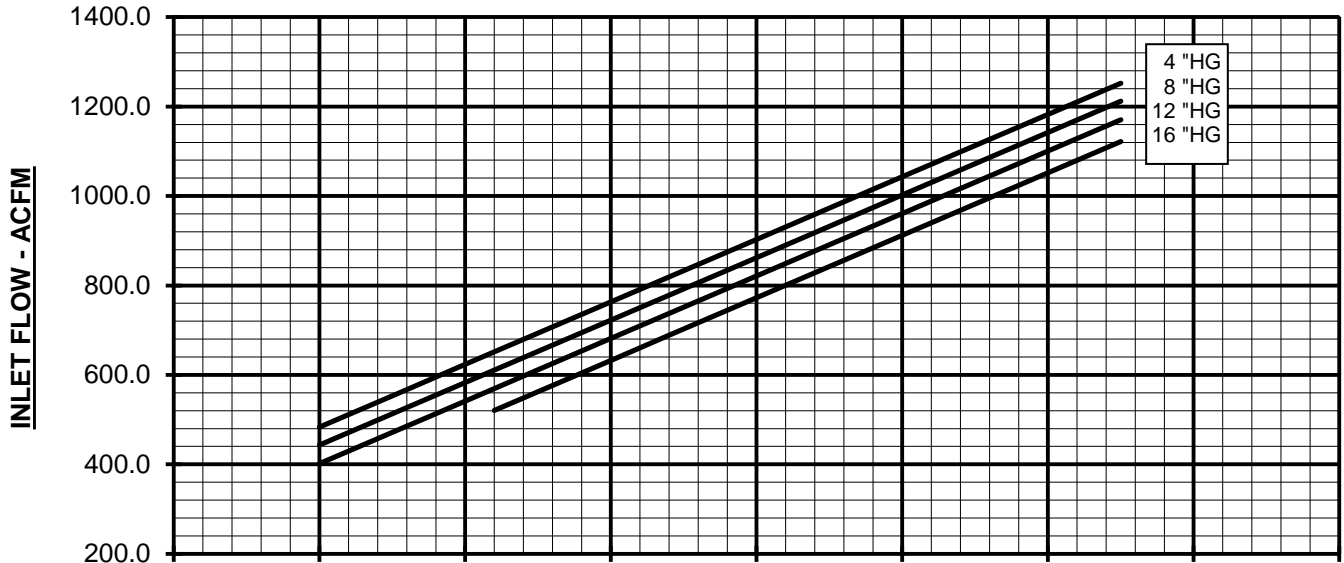
LATEST REVISION	DESCRIPTION
DEC-2015	HOWDEN LOGO/BRANDING



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**VACUUM PERFORMANCE**  
**409 TRI-RAM BLOWER**  
 MAX. VACUUM = 16" HG  
 MAX. SPEED = 4750 RPM

PERFORMANCE BASED ON AIR  
 INLET TEMPERATURE = 68°F  
 DISCHARGE PRESSURE = 30" HGA  
 CURVES GENERATED: JUN-2015



LATEST REVISION	DESCRIPTION
DEC-2015	HOWDEN LOGO/BRANDING