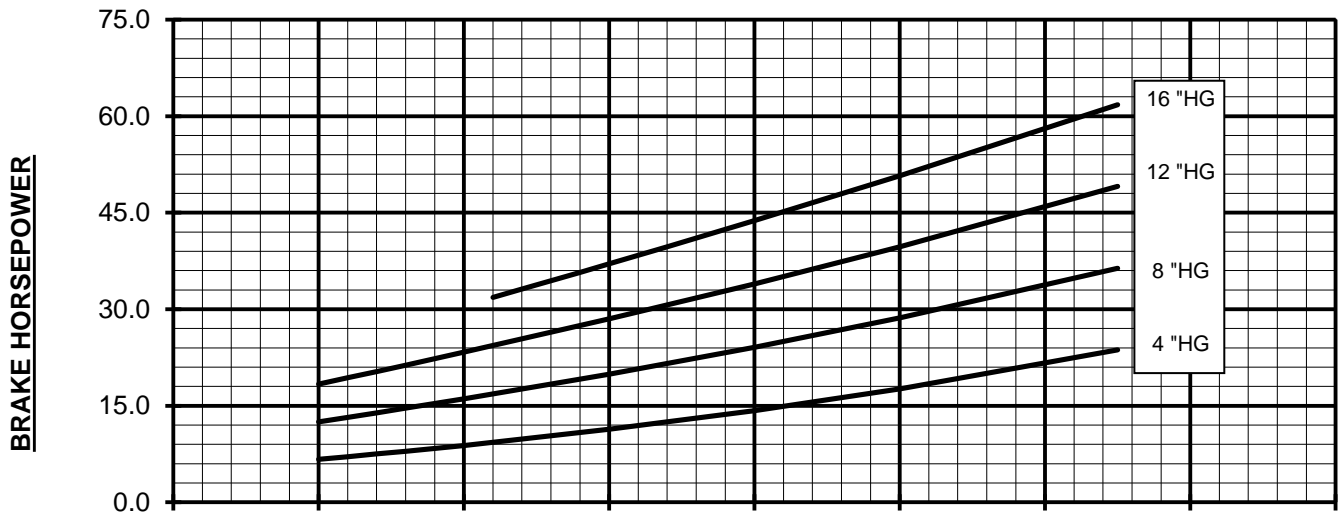
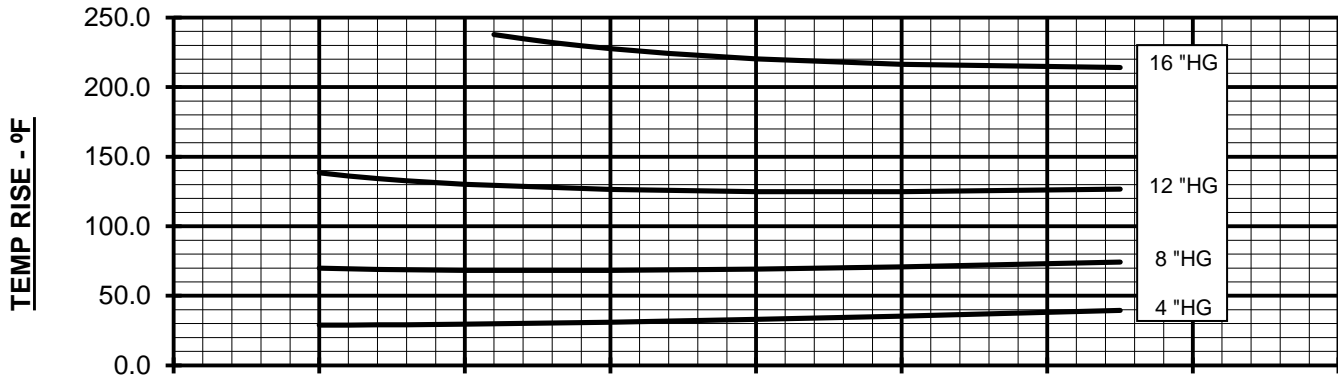
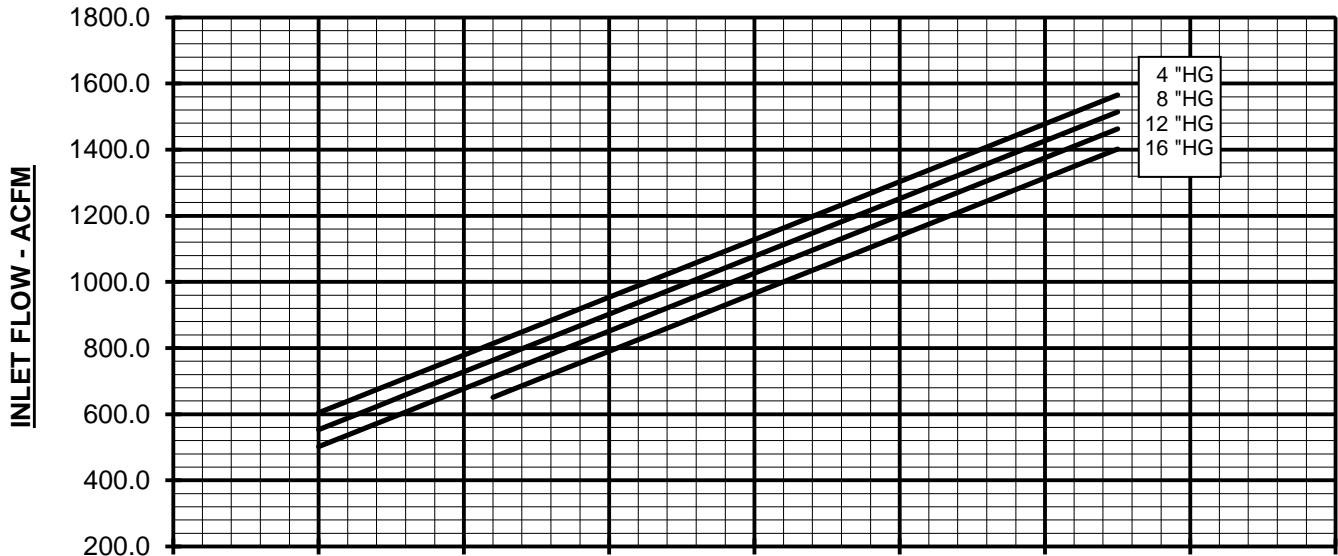




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**VACUUM PERFORMANCE  
416 TRI-RAM BLOWER  
MAX. VACUUM = 16" HG  
MAX. SPEED = 4750 RPM**

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



| LATEST REVISION | DESCRIPTION          |
|-----------------|----------------------|
| DEC-2015        | HOWDEN LOGO/BRANDING |