



Date: 3/14/08

Supersedes: 7/18/06

TECHNICAL DATA SHEET

VOONER TWO STAGE LIQUID RING VACUUM PUMP

Specified, constructed, tested, and guaranteed by:

Vooner FloGard® Corporation

P.O. Box 240360, Charlotte, NC 28224-0360
 4729 Stockholm Court, Charlotte, NC 28273

Telephone: (704) 552-9314
 Toll Free: 1-800-345-7879
 Telefax: (704) 554-8230

Model: VTS20

Type: Two rotors, cone shape ports, liquid ring vacuum pump

Sealing liquid flow rate nominal: 35-50 gpm (130-190 lpm)
 Sealing liquid connection: 1" NPT
 Shaft sealing: Packing
 Bearing design: Double row spherical roller bearing, external, grease lubricated, Type: NSK 22220EAE4/23220EAE4
 Shaft diameter, drive end: 3⁵/₈"
 Pump flange connections: 8" inlet, 6" outlet
 Approximate pump weight: 4,700 lbs. (2,130 kg)

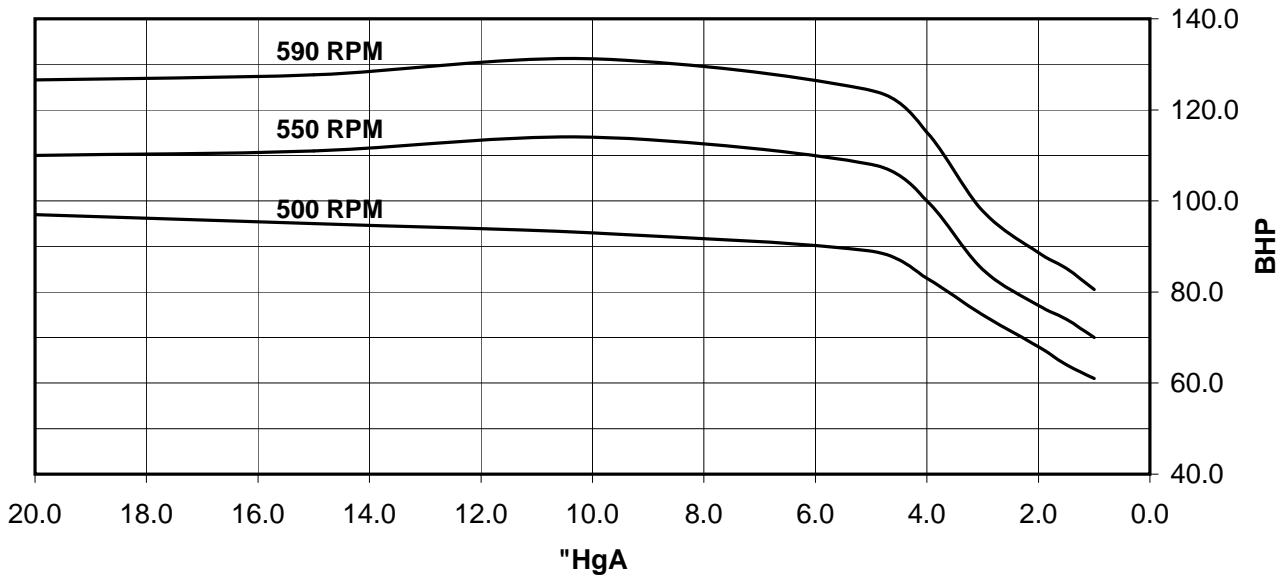
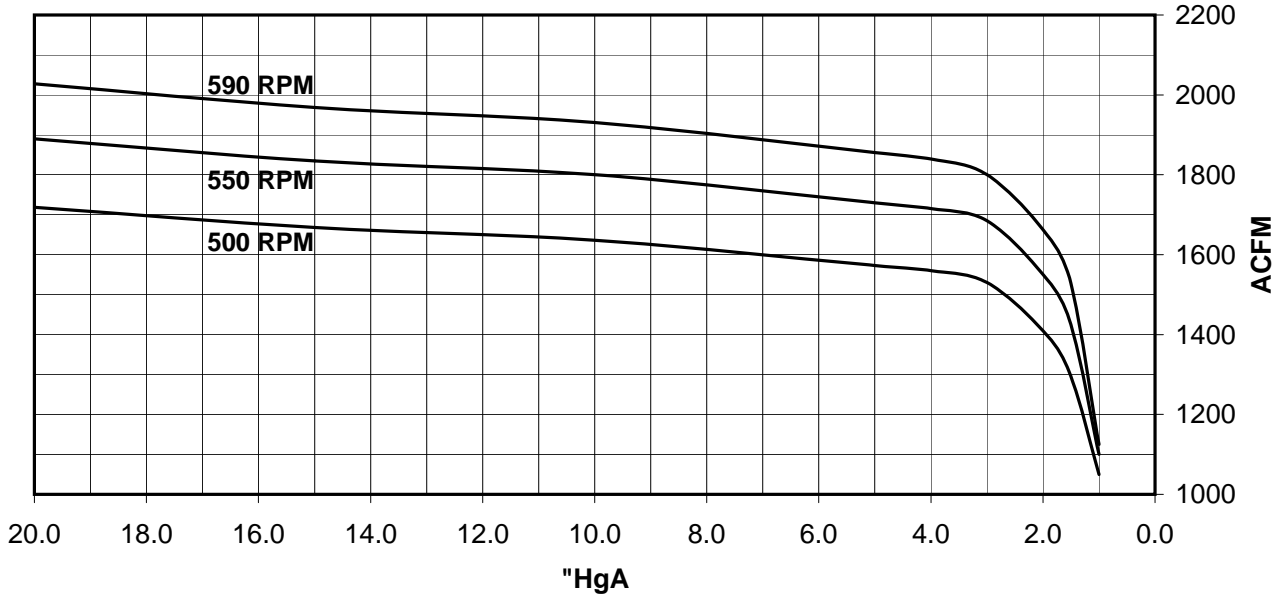
MATERIAL CONSTRUCTION FEATURES

Model	Rotors	Cones	Heads	Bearing Carrier	Housing	Shaft	Packing Gland, Studs, Nuts
A	Ductile Iron	Cast Iron	Cast Iron	Carbon Steel	Cast Iron	Carbon Steel	316 SS
K	304 SS	Cast Iron	Cast Iron	Carbon Steel	Cast Iron	Carbon Steel	316 SS

(SS - cast stainless steel)



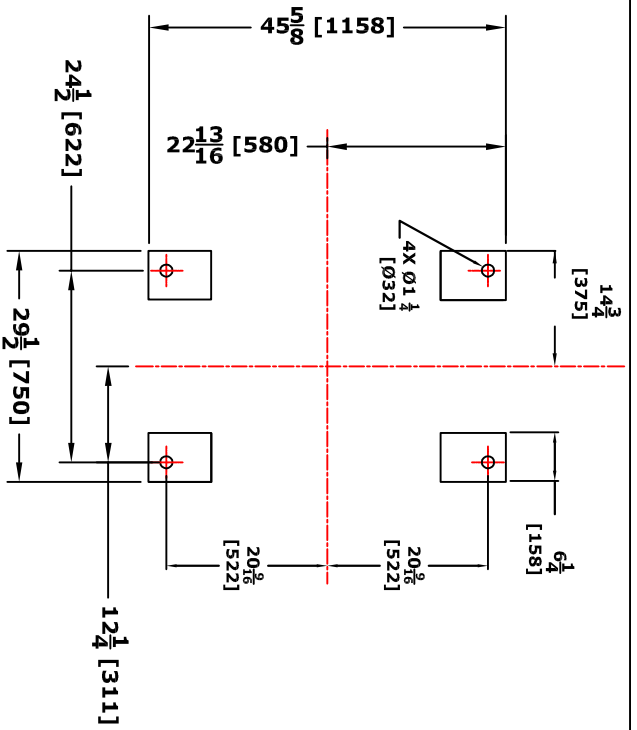
**Vooner®
VTS20 Two Stage
Conical Port Liquid Ring Vacuum Pump**



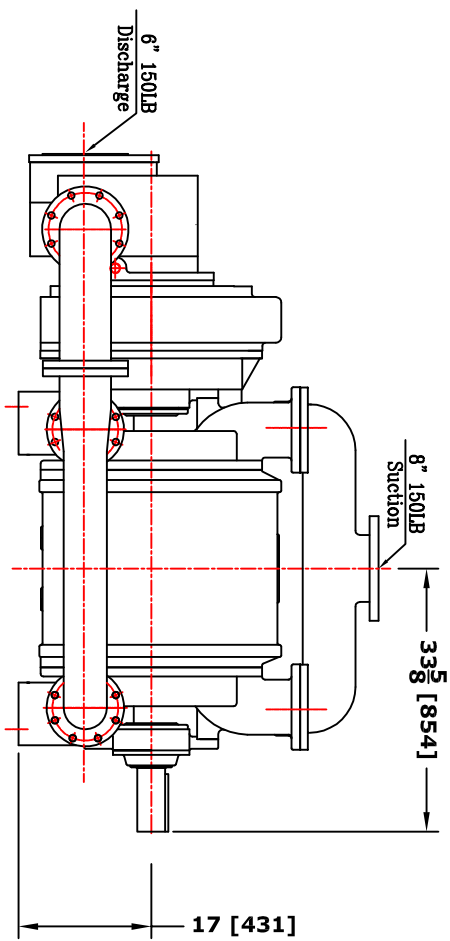
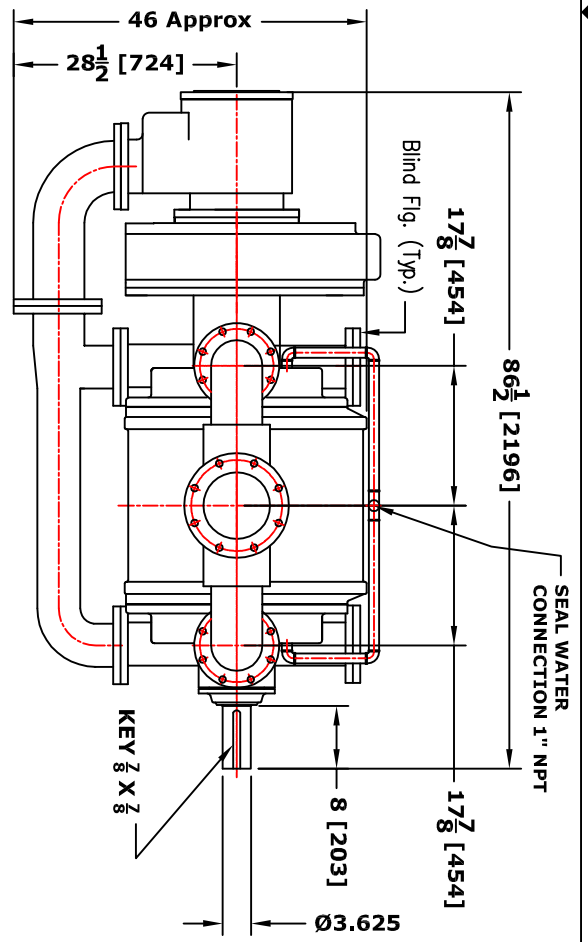
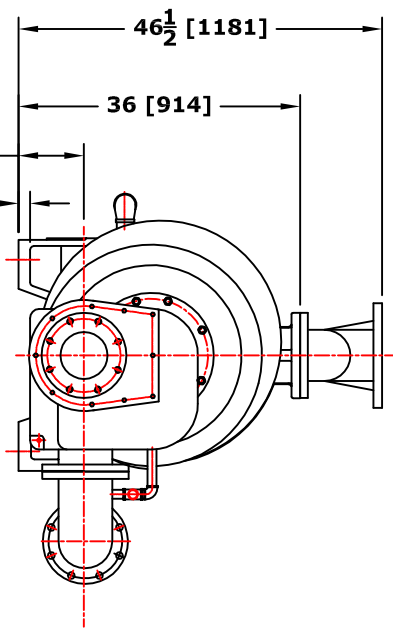
TEST DATA CONDITIONS
 INLET GAS TEMPERATURE: 60 F @ 50% RELATIVE HUMIDITY
 BAROMETRIC PRESSURE: 29.9" HG ABSOLUTE
 SEAL LIQUID TEMPERATURE: 60 F

Revised 8/22/2012
 Supersedes 10/27/2008

Performance to Heat Exchange Institute (HEI) Standards



PUMP FOOTING



- GENERAL NOTES:**
- 1) PRIMARY DIMENSIONS ARE IN INCHES. [mm]
 - 2) FLANGES TO ANSI B16.5 CLASS 125 BOLT PATTERNS AND THICKNESS. BOLT HOLES STRADDLE CENTER LINES.
 - 3) PIPE THD. CONNECTIONS ARE ANSI B2.1.

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Vooner Flogard
VOONER FLOGARD CORPORATION
CHARLOTTE, NC 28273

**OUTLINE DRAWING
VTS20**

SIZE	FSCM NO.	DWG NO.	DRAWN BY	REV
A	NONE	VTS20	M.Kpaka	B

Scale: none Date: 04/18/08 Sheet: 1 of 1