



Date: 2/11/08

Supersedes: 7/18/06

TECHNICAL DATA SHEET

VOONER FLOGARD® 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: V4M55 (DIN)

Type: Single stage rotor, cone shape ports, liquid ring vacuum pump

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 115-150 lpm
20”-24”HgV (-M cone) - 225-285 lpm
24”-28”HgV (-H cone) - 320-360 lpm

Sealing liquid connection: 1 1/2” NPT

Shaft sealing: Packing

Shaft diameter, drive end: 127.0 mm

Pump flange connections: 250 mm inlet (2), 200 mm outlet (2)

Approximate pump weight: 3,790 kg

MATERIAL CONSTRUCTION FEATURES

Model	Rotor	Cones	Heads	Bearing Carrier	Housing	Shaft	Pkg Gland, Studs, Nuts
A	Ductile Iron	Cast Iron	Cast Iron	Carbon Steel	Cast Iron	Carbon Steel	316 SS
C	304 SS	304 SS	Cast Iron	Carbon Steel	Cast Iron	410 HT SS	316 SS
XVE4	304 SS	304 SS	*316 SS	Carbon Steel	**304L SS	410 HT SS	316 SS
XVE6	316 SS	316 SS	*316 SS	Carbon Steel	**316L SS	410 HT SS	316 SS
XVS	304 SS	304 SS	*316 SS	Carbon Steel	304 SS	410 HT SS	316 SS
SS4	304 SS	304 SS	304 SS	Carbon Steel	304 SS	316 SS	316 SS
SS6	316 SS	316 SS	316 SS	Carbon Steel	316 SS	316 SS	316 SS

(SS - cast stainless steel) (HT - heat treated) (*Replaceable 316 SS Wear Plates on cast iron heads)
(**Stainless Steel liner in cast iron housing)

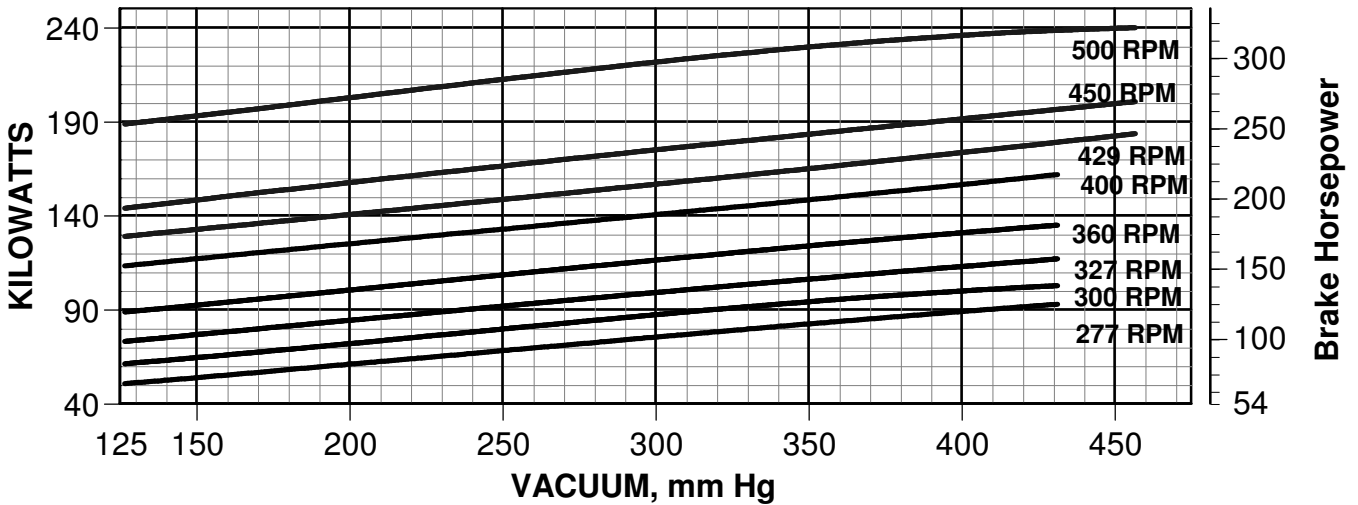
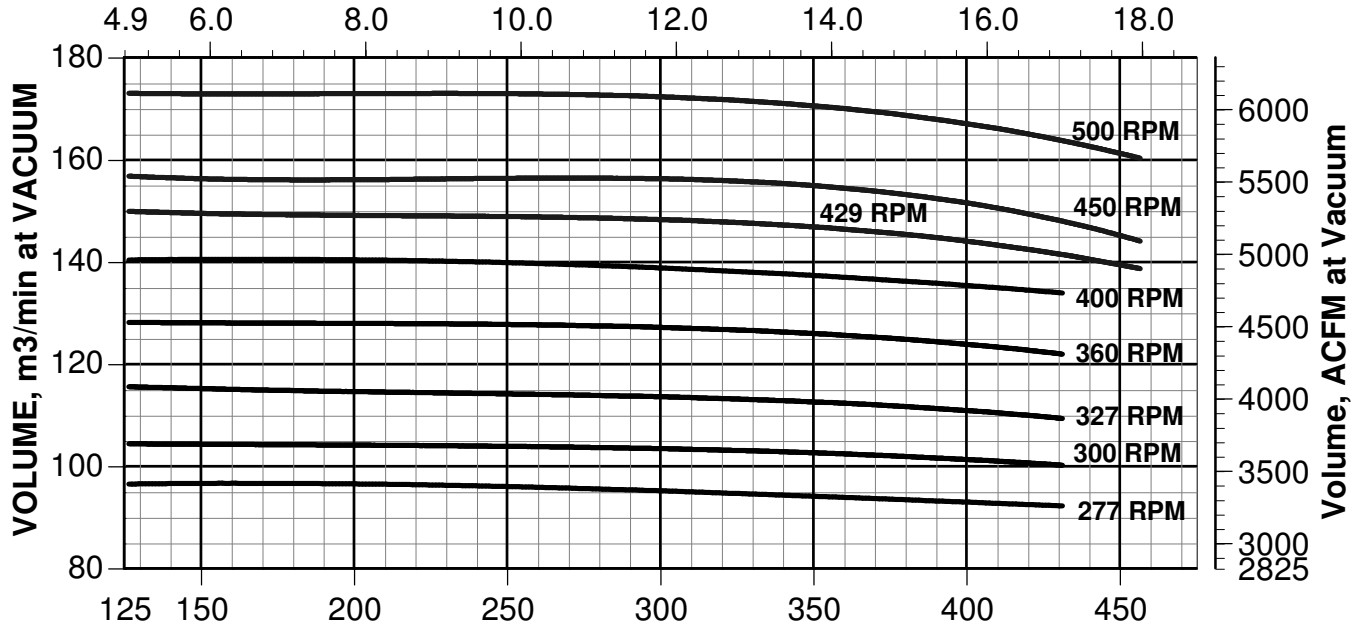


Vooner[®]

VACUUM PUMP, CONE PORT, SINGLE STAGE, LIQUID RING

MODEL: V4M55-L

Vacuum, "Hg



TEST DATA CONDITIONS:

INLET GAS TEMPERATURE: 15.6 C (60 F) @ 50% RELATIVE HUMIDITY

BAROMETRIC PRESSURE: 760mm (29.92") Hg ABSOLUTE

SEALING LIQUID TEMPERATURE: 15.6 C (60 F)

Issue date: 8/6/07

Supersedes date: 11/22/06

Performance to Heat Exchange Institute Standards (HEI)

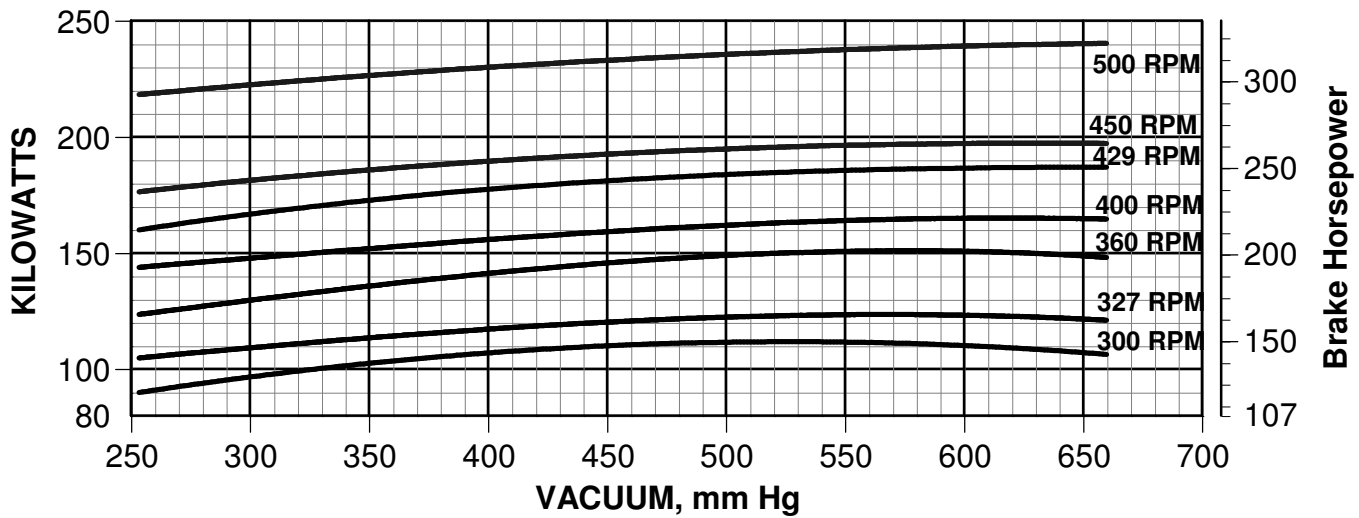
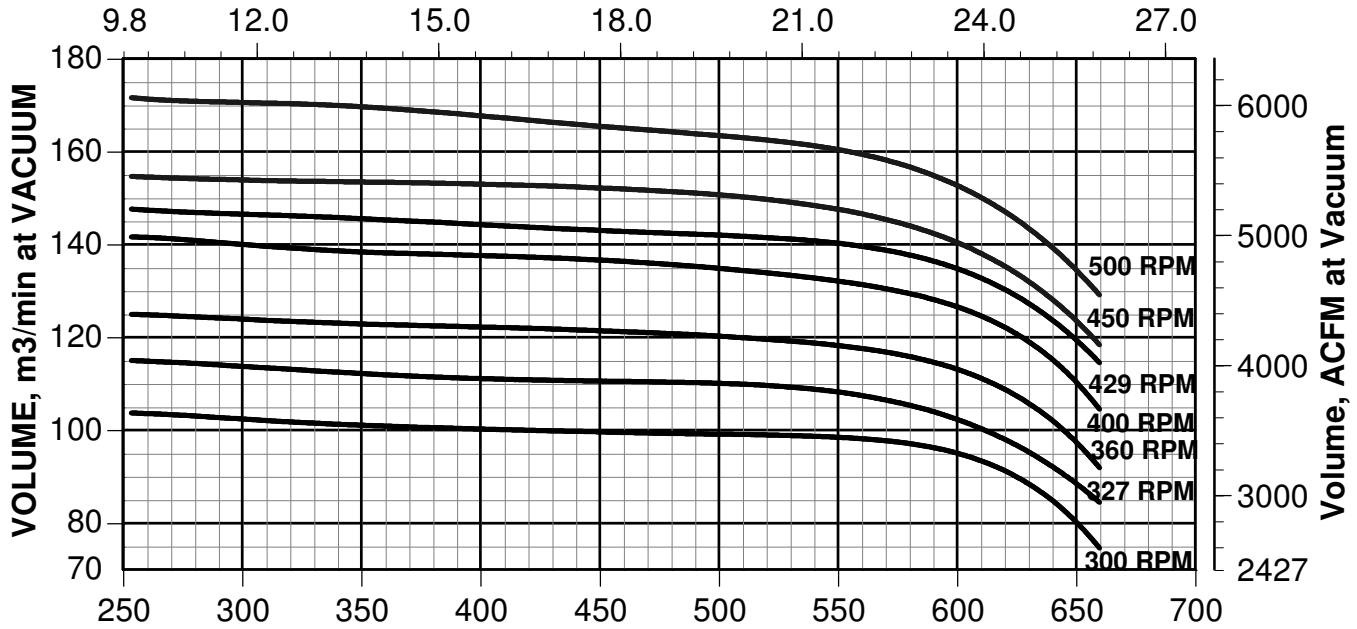


Vooner[®]

VACUUM PUMP, CONE PORT, SINGLE STAGE, LIQUID RING

MODEL: V4M55-M

Vacuum, "Hg



TEST DATA CONDITIONS:

INLET GAS TEMPERATURE: 15.6 C (60 F) @ 50% RELATIVE HUMIDITY
 BAROMETRIC PRESSURE: 760mm (29.92") Hg ABSOLUTE
 SEALING LIQUID TEMPERATURE: 15.6 C (60 F)

Issue date: 8/6/07
 Supersedes date: 11/22/06

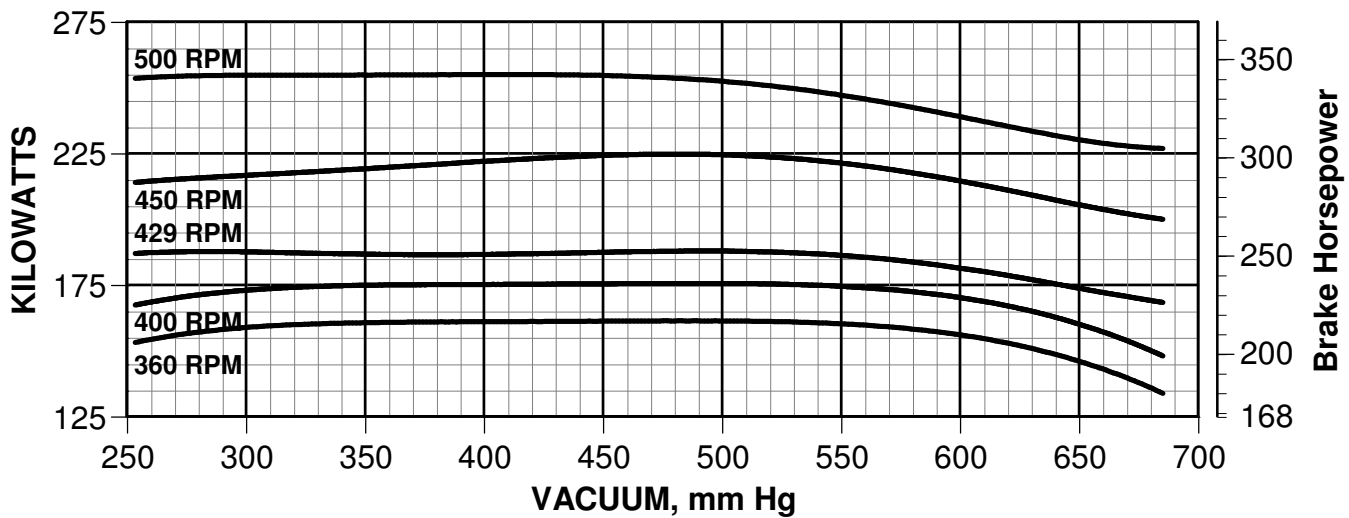
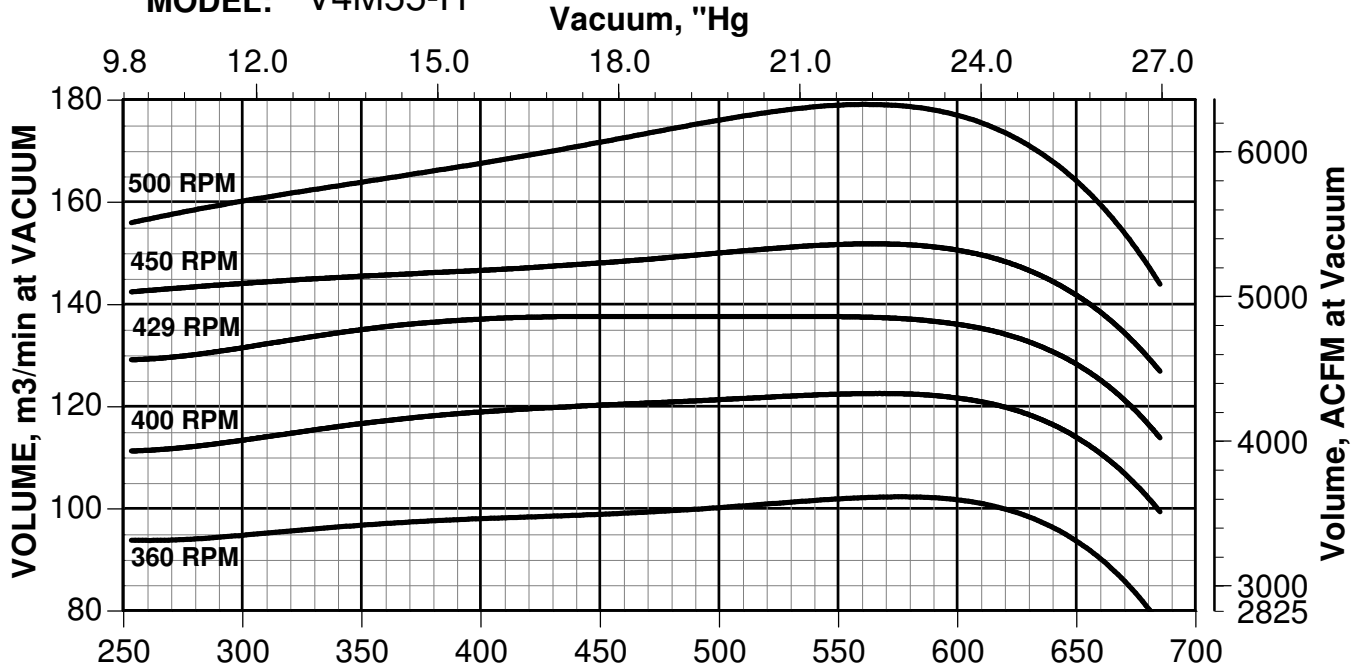
Performance to Heat Exchange Institute Standards (HEI)



Vooner[®]

VACUUM PUMP, CONE PORT, SINGLE STAGE, LIQUID RING

MODEL: V4M55-H



TEST DATA CONDITIONS:

INLET GAS TEMPERATURE: 15.6 C (60 F) @ 50% RELATIVE HUMIDITY

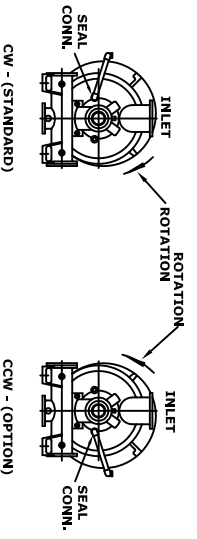
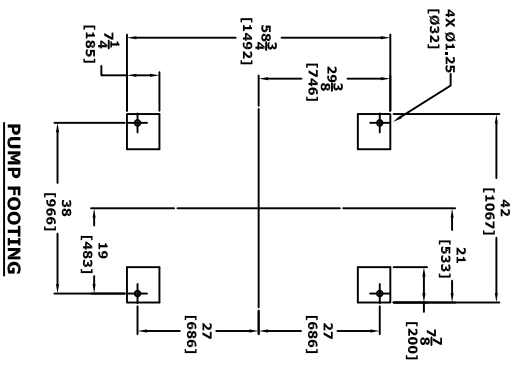
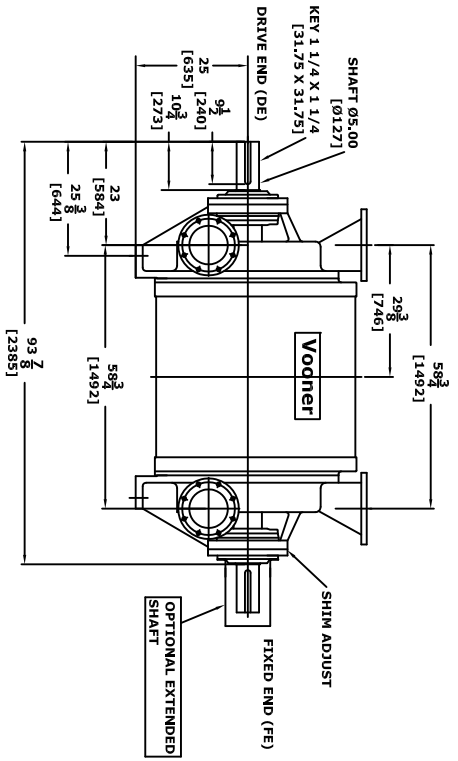
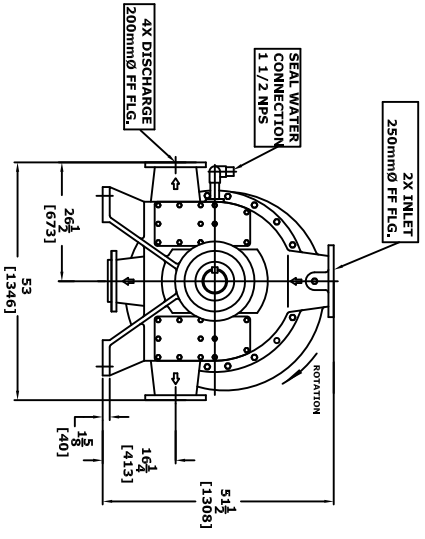
BAROMETRIC PRESSURE: 760mm (29.92") Hg ABSOLUTE

SEALING LIQUID TEMPERATURE: 15.6 C (60 F)

Issue date: 11/22/06

Supersedes date: 01/20/01

Performance to Heat Exchange Institute Standards (HEI)



ASSY POSITIONS
(FACING DRIVE END)

APPROX. WEIGHTS

PUMP ASSY - DRY	LBS. [KG]
IMPELLER/SHAFT ASSY	8350 [3790]
HOUSING*	3358 [1520]
HEADS/CONE ASSY (EA.)*	1742 [790]
	1560 [710]

* COMPONENTS ARE IRON, FOR S/STL ADD 13%.

- GENERAL NOTES:**
- 1) PRIMARY DIMENSIONS ARE IN INCHES. [mm]
 - 2) FLANGES TO DIN P10
 - 3) BOLT PATTERNS AND THICKNESS, BOLT HOLES STRADDLE CENTER LINES.
 - 4) PIPE THD. CONNECTIONS ARE ANSI B2.1.



Vooner Flogard Corporation
CHARLOTTE, NC 28273

OUTLINE DRAWING
V4M55 DIN

SIZE	FSCM NO.	DWG NO.	REV
A	NONE	V4M55 DIN	B
Scale: none		2/26/08	Sheet: 1 of 1

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