

## 4700 VERTICAL MULTI-STAGE PUMP | VMS 10B | SUBMITTAL

File No: 47.5101L  
Date: OCTOBER 04, 2018  
Supersedes: NEW  
Date: NEW

Job: \_\_\_\_\_ Representative: \_\_\_\_\_

Ordered by: \_\_\_\_\_ Date: \_\_\_\_\_

Engineer: \_\_\_\_\_ Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Contractor: \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

### PUMP DESIGN DATA

No. of pumps: \_\_\_\_\_ Tag: \_\_\_\_\_  
Capacity: \_\_\_\_\_ USgpm (L/s) Head: \_\_\_\_\_ ft (m)  
Liquid: \_\_\_\_\_ Viscosity: \_\_\_\_\_  
Temperature: \_\_\_\_\_ °F (°C) Specific gravity: \_\_\_\_\_  
Suction: 2" (51mm) Discharge: 2" (51mm)  
Maximum working temperature: 250°F (120°C)

### MOTOR DESIGN DATA

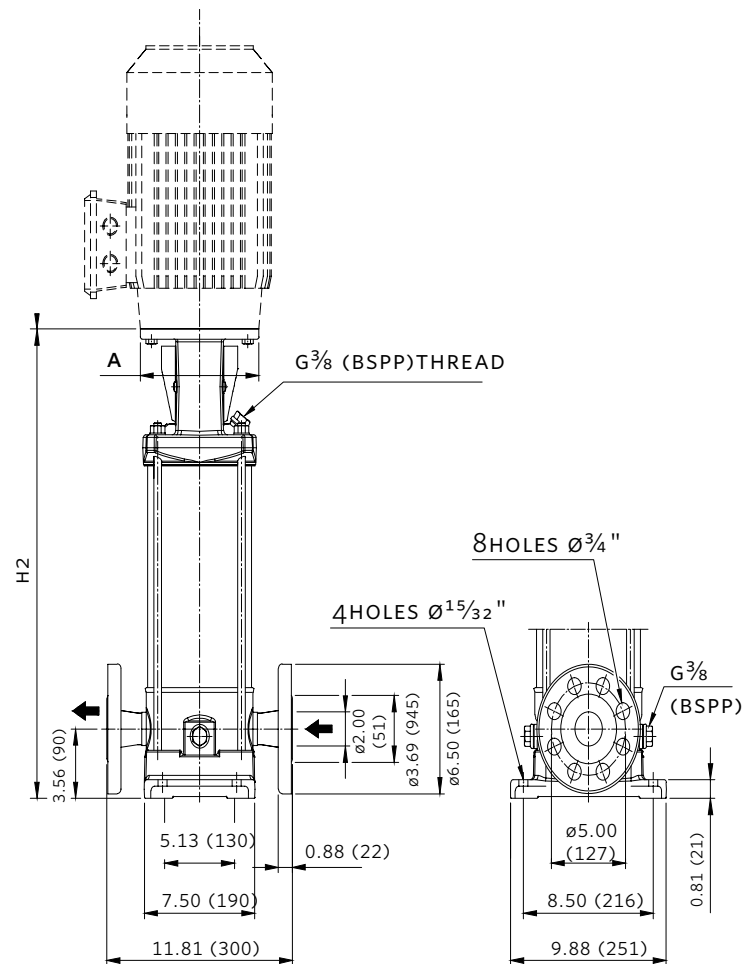
HP: \_\_\_\_\_ RPM: 3000 Frame size: \_\_\_\_\_  
Enclosure:  ODP  TEFC Volts: \_\_\_\_\_  
Hertz: 50 Hz Phase:  1  3  
Efficiency\*:  Standard Efficiency  Other: \_\_\_\_\_ %

\*Fractional power, frame 56 & 1-phase motors are supplied with the standard efficiency of the Manufacturer.

### MATERIALS OF CONSTRUCTION

**Flange rating:** ANSI 300  
**Bottom casing:** EN 1.4301 (AISI 304)  
**Impellers:** EN1.4301 (AISI 304)  
**Intermediate casing:** EN 1.4301 (AISI 304)  
**Pump shaft:** EN 1.430 (AISI 304)  
**Shaft sleeve bearing:** Tungsten carbide  
**O rings:** FPM  
**Motor bracket:** Cast iron EN-GJL-200-EN 1561  
**Pump base:** Die cast aluminum  
EN-AB-AISI 11Cu2(Fe)  
**Mechanical seal faces:** Silicon carbide/Carbon/FPM

### REMARKS



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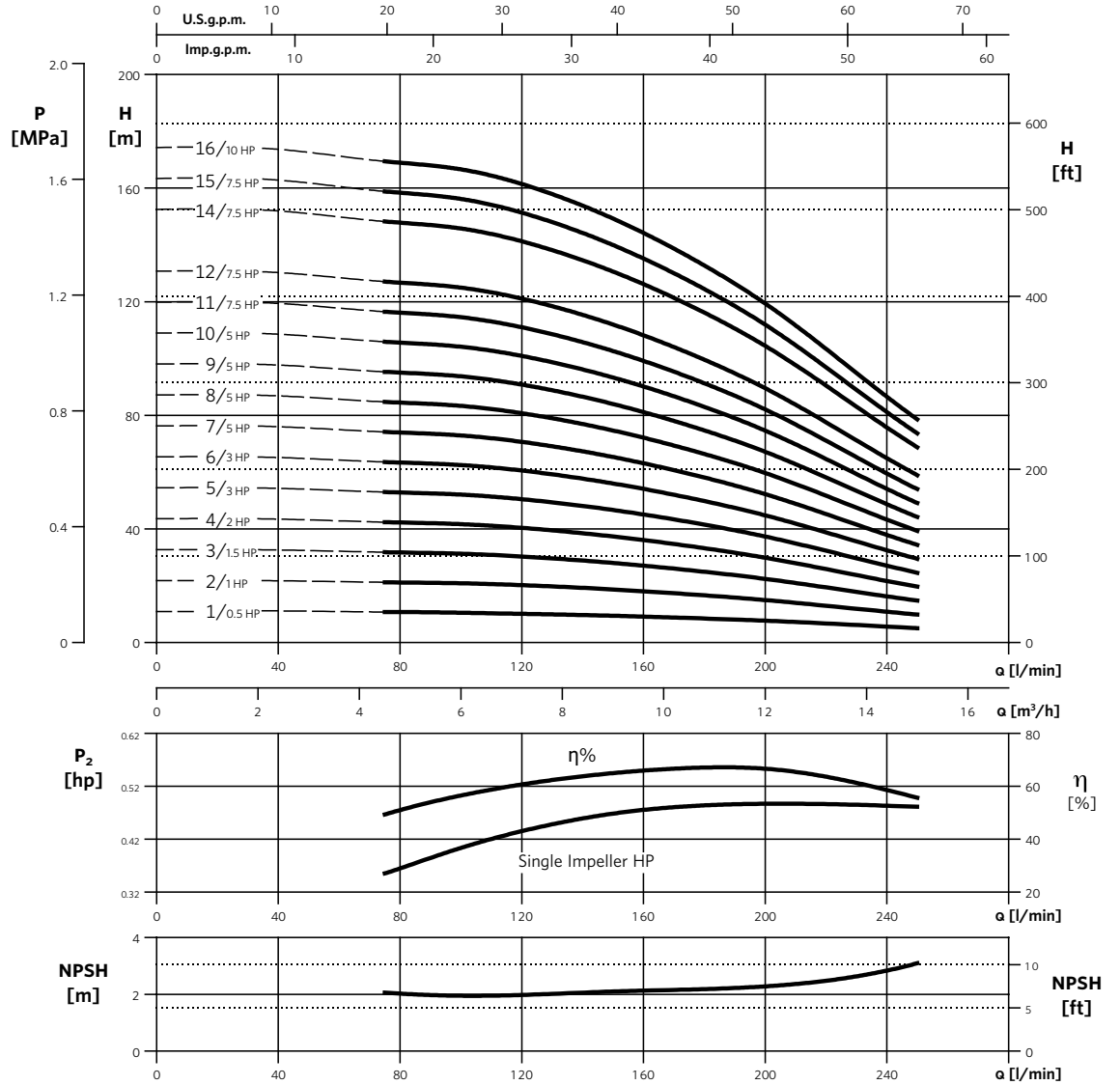
PUMP SIZE	HP	NEMA FRAME	MWP*	DIMENSIONS in inches(mm)		WEIGHT in lbs (kg)
				A	H2	
VMS 1001B	0.5	56c	230	4.50 (114)	14.00 (356)	45 (20.4)
VMS 1002B	1	56c	230	4.50 (114)	14.00 (356)	46 (20.9)
VMS 1003B	1.5	143TC	230	8.50 (216)	19.94 (506)	57 (25.9)
VMS 1004B	2	182TC	230	8.50 (216)	20.69 (525)	59 (26.8)
VMS 1005B	3	182TC	230	8.50 (216)	21.88 (556)	61 (27.7)
VMS 1006B	3	182TC	230	8.50 (216)	23.06 (586)	63 (28.6)
VMS 1007B	5	184TC	230	8.50 (216)	24.25 (616)	68 (30.8)
VMS 1008B	5	184TC	230	8.50 (216)	25.44 (646)	71 (32.2)
VMS 1009B	5	184TC	230	8.50 (216)	27.00 (686)	72 (32.7)
VMS 1010B	5	213TC	230	8.50 (216)	27.81 (706)	75 (34.0)
VMS 1011B	7.5	215TC	360	8.50 (216)	29.00 (737)	79 (35.8)
VMS 1012B	7.5	215TC	360	8.50 (216)	30.19 (767)	81 (36.7)
VMS 1014B	7.5	215TC	360	8.50 (216)	32.50 (826)	93 (42.2)
VMS 1015B	7.5	215TC	360	8.50 (216)	33.69 (856)	95 (43.1)
VMS 1016B	10	215TC	360	8.50 (216)	34.88 (886)	95 (43.1)

All dimensions are in inches (mm) and are approximate.

\*Maximum Working Pressure in psi

## 4700 PERFORMANCE CURVES

½ HP - 10 HP  
1 - 16 Stages  
2900 RPM  
300# ANSI 2" 8-Bolt



Performance curves are for reference only.

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