



Submittal Data Information

VM02 Series Pumps

301-2001B

Single and Three Phase, 60 Cycle, 3450 RPM

SUPERSEDES: August 5, 2013

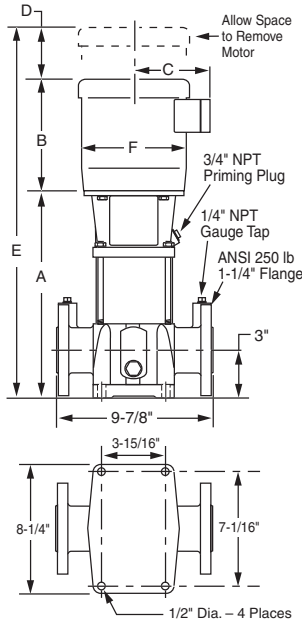
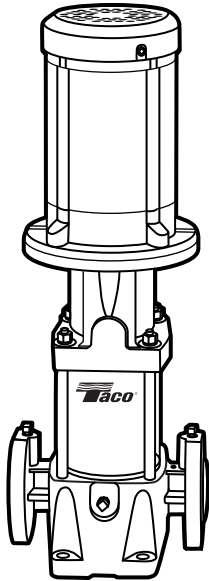
EFFECTIVE: December 16, 2013

JOB _____ MODEL _____

ENGINEER _____ CONTRACTOR _____ REP. _____

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHARS.
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DIMENSIONS AND SPECIFICATIONS



MATERIALS OF CONSTRUCTION

COMPONENT	STANDARD	OPTIONAL
Casing	Class 30 Cast Iron	AISI 304 SS / AISI 316 SS
Impellers	AISI 304 SS	AISI 304 SS / AISI 316 SS
Diffusers	AISI 304 SS	AISI 304 SS / AISI 316 SS
Shaft	AISI 316 SS	Same
Elastomers	EDPM	Consult Factory
Intermediate Bearings	Aluminum Oxide Ceramic	Same
Bearing Ring	Tungsten Carbide	Same
Mechanical Seal	Tungsten Carbide/Carbon EPDM	Consult Factory

OPERATING SPECIFICATIONS

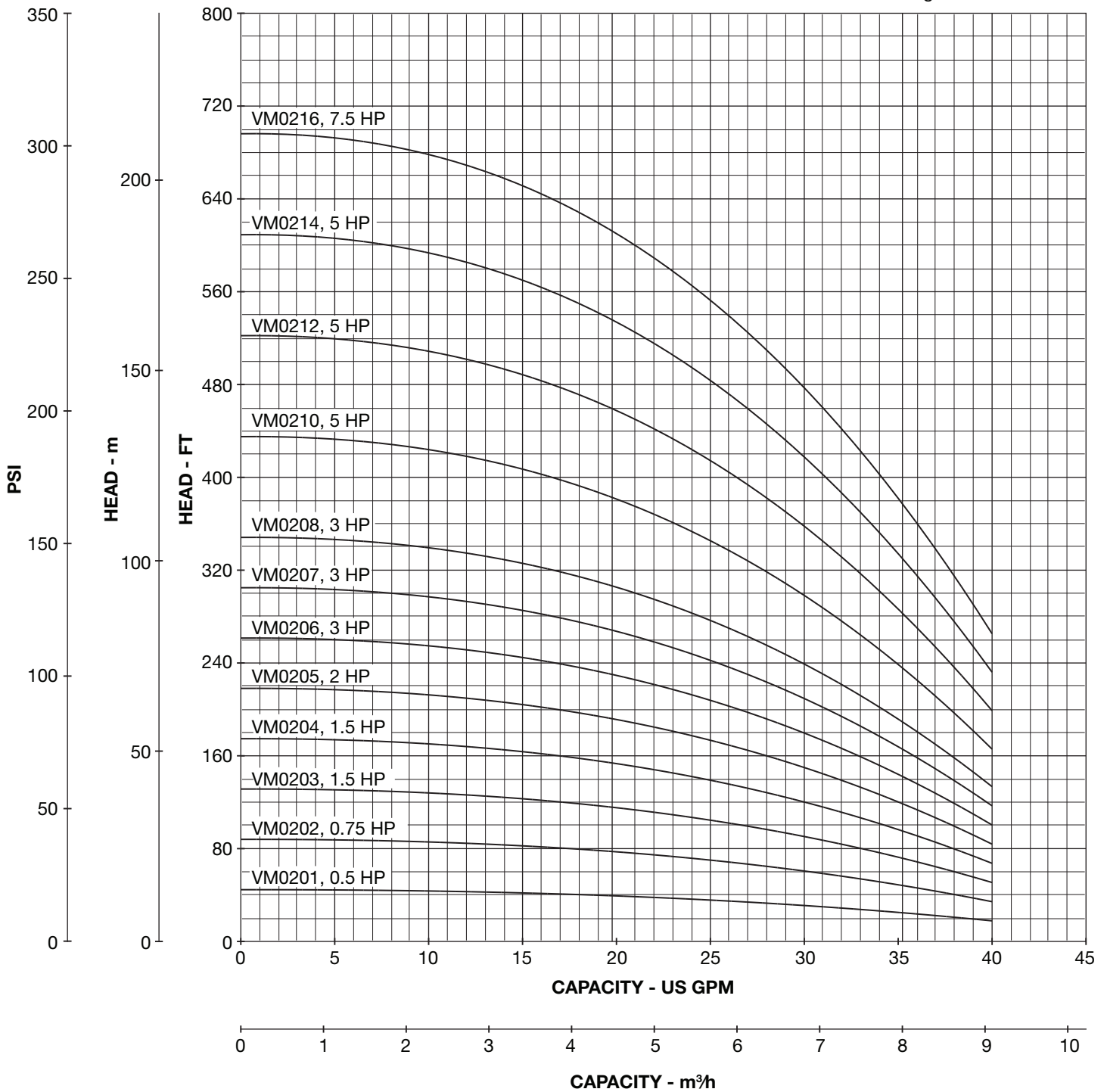
Liquid Temp. Range	5°F (-15°C) to 250°F (120°C)
Max. Working Pressure	360 psi (25 Bar)
Min. Rate of Flow	3 GPM
Pipe Connections	1/4" CLASS 300

* Measurements represent the largest number possible for each Model

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
VM0201	0.5	1.25	1	115/208-230	56C	1 1/4	1 1/4	11 3/8	9 1/4	4 7/8	2	22 5/8	6	73	65
VM0201	0.5	1.25	3	208-230/460	56C	1 1/4	1 1/4	11 3/8	9 1/4	4 7/8	2	22 5/8	6	73	64
VM0202	0.75	1.25	1	115/208-230	56C	1 1/4	1 1/4	11 3/8	9 7/8	4 7/8	2	23 1/4	6	75	70
VM0202	0.75	1.25	3	208-230/460	56C	1 1/4	1 1/4	11 3/8	9 1/4	4 7/8	2	22 5/8	6	73	77
VM0203	1.5	1.25	1	115/208-230	56C	1 1/4	1 1/4	12 3/8	11 1/8	5 1/4	2	25 5/8	7 1/8	92	85
VM0203	1.5	1.15	3	208-230/460	56C	1 1/4	1 1/4	12 3/8	9 1/4	4 7/8	2	23 3/4	6	88	81
VM0204	1.5	1.25	1	115/208-230	56C	1 1/4	1 1/4	13 1/2	11 1/8	5 5/8	2	26 5/8	7 1/8	92	87
VM0204	1.5	1.15	3	208-230/460	56C	1 1/4	1 1/4	13 1/2	10 1/8	5 3/4	2 1/8	25 3/4	7 1/4	90	84
VM0205	2	1.15	1	115/208-230	182/184C	1 1/4	1 1/4	14 1/2	12	5 5/8	2	28 5/8	7 1/8	104	97
VM0205	2	1.15	3	208-230/460	182/184C	1 1/4	1 1/4	14 1/2	11 1/8	5 3/4	2 1/8	27 3/4	7 1/4	97	88
VM0206	3	1.15	1	115/208-230	182TC	1 1/4	1 1/4	16	13 5/8	6 7/8	2 3/4	32 3/8	8 1/2	138	133
VM0206	3	1.15	3	208-230/460	182TC	1 1/4	1 1/4	16	12 1/4	6 7/8	2 7/8	31 1/8	8 1/2	120	102
VM0207	3	1.15	1	115/208-230	182TC	1 1/4	1 1/4	18 1/8	13 5/8	6 7/8	2 3/4	34 1/2	8 1/2	141	135
VM0207	3	1.15	3	208-230/460	182TC	1 1/4	1 1/4	18 1/8	12 1/4	6 7/8	2 7/8	33 1/4	8 1/2	123	104
VM0208	3	1.15	1	115/208-230	182TC	1 1/4	1 1/4	18 1/8	13 5/8	6 7/8	2 3/4	34 1/2	8 1/2	140	139
VM0208	3	1.15	3	208-230/460	182TC	1 1/4	1 1/4	18 1/8	12 1/4	6 7/8	2 7/8	33 1/4	8 1/2	125	108
VM0210	5	1.15	1	208-230	213TC	1 1/4	1 1/4	20 1/4	15 1/4	8	3 3/8	38 7/8	10 5/8	173	177
VM0210	5	1.15	3	208-230/460	184TC	1 1/4	1 1/4	20 1/4	13 5/8	6 7/8	2 7/8	36 3/4	8 1/2	156	145
VM0212	5	1.15	1	208-230	213TC	1 1/4	1 1/4	22 3/8	15 1/4	8	3 3/8	41	10 5/8	195	179
VM0212	5	1.15	3	208-230/460	184TC	1 1/4	1 1/4	22 3/8	13 5/8	6 7/8	2 7/8	38 7/8	8 1/2	159	149
VM0214	5	1.15	1	208-230	213TC	1 1/4	1 1/4	24 1/2	15 1/4	8	3 3/8	43 1/8	10 5/8	202	187
VM0214	5	1.15	3	208-230/460	184TC	1 1/4	1 1/4	24 1/2	13 5/8	6 7/8	2 7/8	41	8 1/2	167	157
VM0216	7.5	1.15	1	208-230	213TC	1 1/4	1 1/4	26 5/8	15 1/4	8	3 3/8	45 1/4	10 5/8	210	198
VM0216	7.5	1.15	3	208-230/460	213TC	1 1/4	1 1/4	26 5/8	15 1/4	7 7/8	3 3/8	45 1/4	10 3/8	175	160

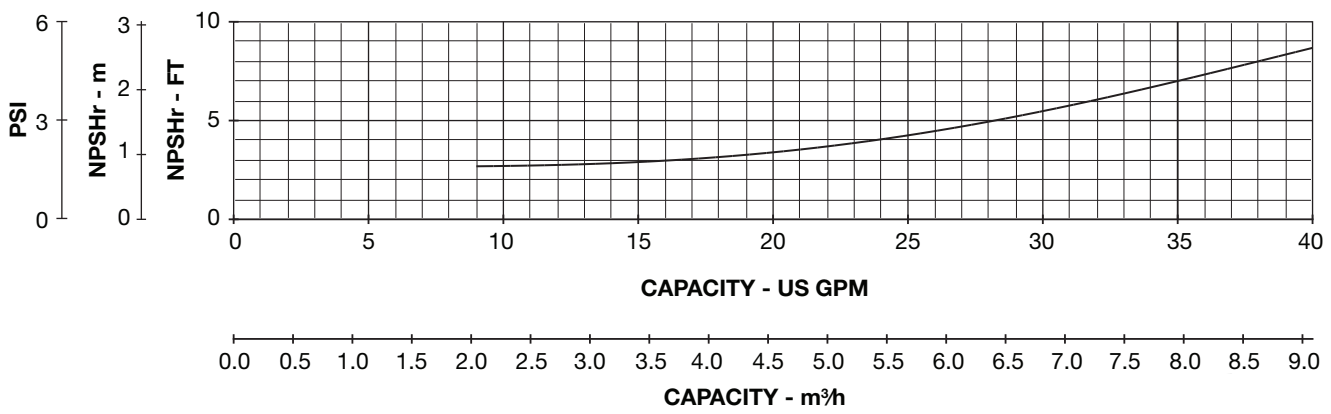
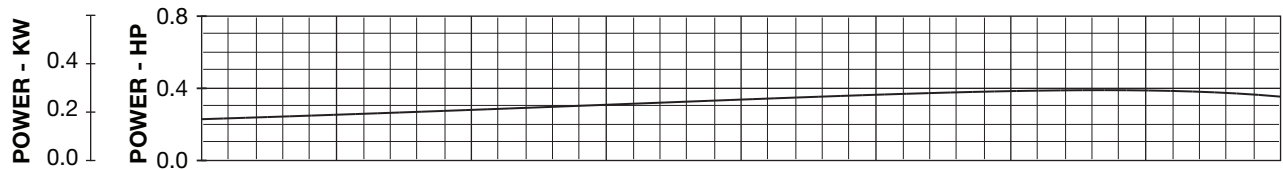
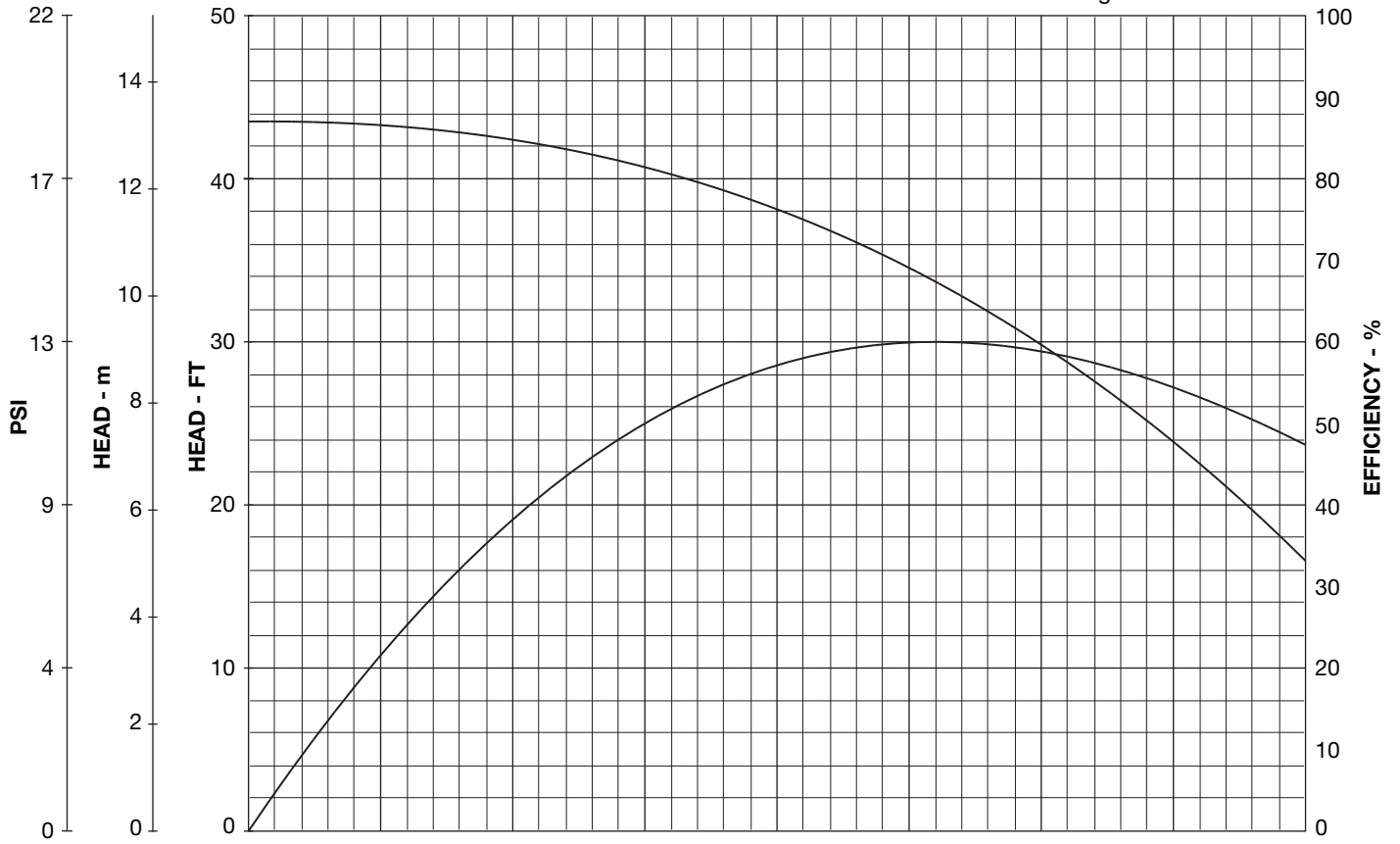
VM02 – Series Performance Curves

Nominal RPM: 3450
Based on Fresh Water @ 68°F
Maximum Working Pressure: 360 PSI

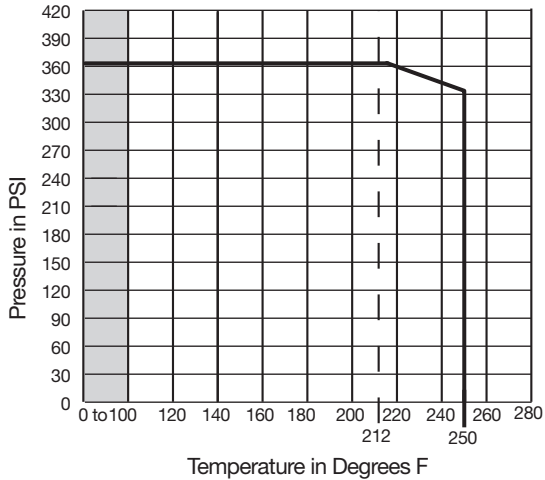


VM02 Series – Single Stage Performance Data

Nominal RPM: 3450
 Based on Fresh Water @ 68°F
 Maximum Working Pressure: 360 PSI



Permissible Operating Pressure Curves



Suggested Specifications:

Furnish and install vertical multistage radial split case pump(s) with the capacities and characteristics as shown on the plans. Pumps shall be TACO Model VM or approved equal.

All wetted surfaces of the pump shall be stainless steel or cast iron. The pump shall be fitted with replaceable TEFLON wear rings to insure alignment and to prevent impeller recirculation. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 304 stainless steel.

The mechanical seal shall be a single unbalanced type that has a Carbon Graphite stationary seat and a Tungsten Carbide rotating face. The seal housing shall be manually vented upon startup so that air is not trapped in the area directly around the seal.

The pump shaft shall be a double flat stainless steel shaft. The shaft intermediate bearings and bearing ring shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

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Taco, Inc., 1160 Cranston Street, Cranston, RI 02920 | Tel: (401) 942-8000 | FAX: (401) 942-2360

Taco (Canada), Ltd., 8450 Lawson Road, Suite #3, Milton, Ontario L9T 0J8 | Tel: (905) 564-9422 | FAX: (905) 564-9436

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