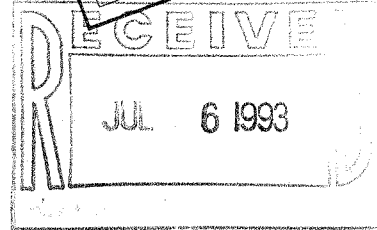


The Taco logo features the word "Taco" in a bold, sans-serif font. The letter "T" is stylized with horizontal lines extending from its top bar to the left, suggesting motion or a specific brand identity.

TACO INC. PROUDLY INTRODUCES THE VM VERTICAL MULTISTAGE PUMP

GENERAL INFORMATION

Enclosed in this information packet is pricing for the standard "B" and "C" model Vertical Multistage pumps. Standard list pricing is for a "B" model pumps with list price adders for the "C" model and single phase motors. "C" model pricing with single phase motors is obtained by adding the corresponding two list price adders together. The "VM" is available with standard efficiency, three phase, open drip proof (ODP) or totally enclosed fan cooled (TEFC) motors. The motor enclosure, phase, voltage and conduit box orientation (if the position is other than standard) must be specified at the time of the order. For "C" model pumps, the orientation of the discharge flange relative to the suction flange must also be specified (again, if the position is other than standard). The standard position for the "C" model VM pump is with the suction and discharge 180 degrees opposed in the 9 o'clock and 3 o'clock positions. Except where noted on the submittal data sheets, the conduit box is in the 6 o'clock position.

PRICING INFORMATION:

Standard contract multipliers can be applied for this product. A stocking program will be established in the near future.

As discussed in the Regional Sales meetings, this product is priced to be competitive in the market with standard multiplier schedules. The VM product will be excluded from any competitive quotation authorizations (CQA's).

PRODUCT AVAILABILITY

The "VM" product is in inventory at the Cranston facility. The lead time for standard product is 4 to 6 weeks from receipt of order. As the supply line fills and an order history is established, the lead time will decrease. "C" model pumps will have a 6 to 8 week lead time. Nonstandard product which includes the "D" model VM pump will be 8 to 10 weeks from receipt of order. Orders requiring nonstandard motors including high efficiency motors or large quantity orders will receive a lead time once customer service is notified by production control. Donna Hudson is the customer service contact for the VM product line.

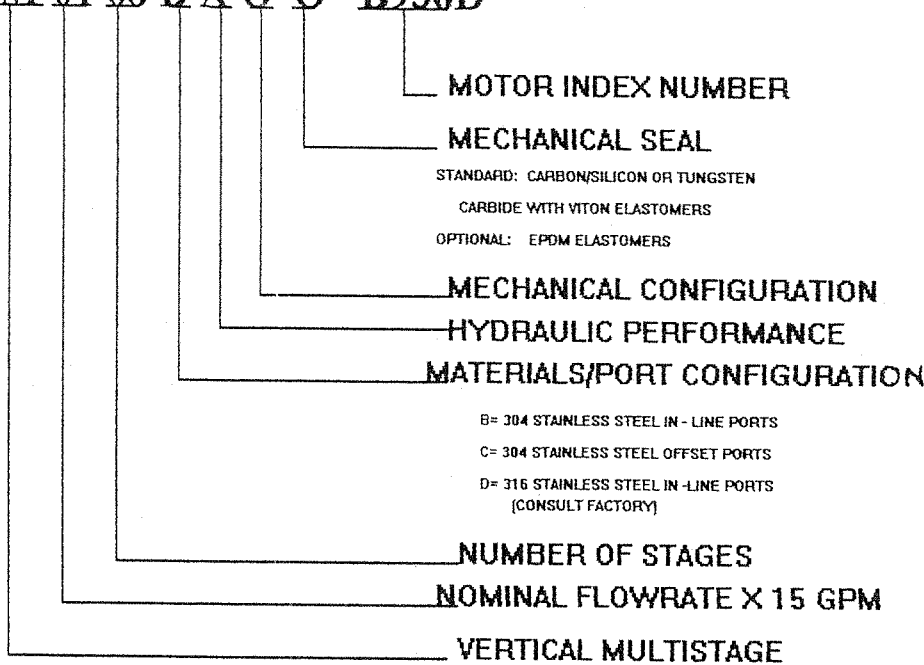
TECHNICAL ASSISTANCE

Submittal data information for pump dimensions, operation parameter and performance are provided in this packet. Installation and operating instructions which included sample NPSH calculations are available upon request (order # 300-018). Parts lists for the new product are also available (order # 300-103-107).

Technical assistance is available through normal channels spearheaded by George Taber. Additional technical assistance, information and training materials are available from David Kunz .

PRODUCT NOMENCLATURE

VM 01 08 B A O O B936D



Submittal Data Information

VM01B & VM01C Series Pumps



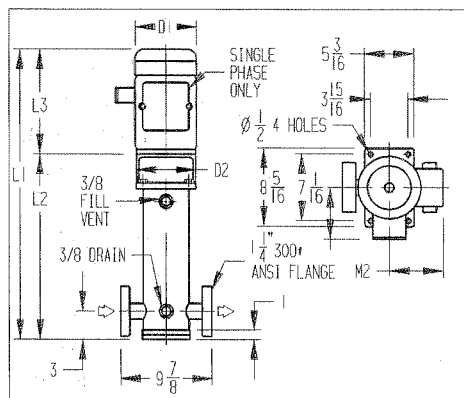
Model _____ Supersedes: New _____ 3450 RPM _____

Job _____

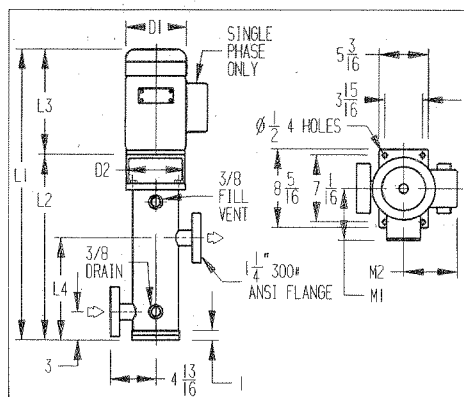
Engineer _____

Contractor _____ Rep. _____

Item No.	Model No.	No. of Stages	G.P.M.	Head/Ft.	H.P.	Elec. Chars.



Stage	Motor		Dimensions (max.)							Wt. (lbs.)	
	Frame	HP	L1	L2	L3	M1	M2	D1	D2	ODP	TEFC
2	56C	5	21.875	12.6875	9.1875	4.375	4.9375	5.6875	6.75	45	
			22		9.3125	4.5	5.125	5.6875			45
3	56C	7.5	23.4375	13.625	9.8125	4.375	4.9375	5.6875	6.75	50	
			23.5625		9.9375	4.5	5.125	5.6875			50
4	56C	1	25.25	14.625	10.625	4.375	4.9375	5.6875	6.75	55	
			25.8125		11.1875	5.25	5.5625	6.625			65
5	56C	1.5	26.875	15.625	11.25	5.25	5.625	6.625	6.75	65	
			26.8125		11.1875	5.25	5.5625	6.625			70
6	56C	2	27.875	16.625	11.25	5.25	5.625	6.625	6.75	70	
			28.6875		12.0625	5.25	5.5625	6.625			80
7	56C	2	28.8125	17.5625	11.25	5.25	5.625	6.625	6.75	70	
			29.625		12.0625	5.25	5.5625	6.625			80
8	56C	3	30.75	18.5625	12.1875	5.25	5.625	6.625	6.75	80	
			30.375		11.8125	5.25	5.5625	6.625			105
9	56C	3	31.75	19.5625	12.1875	5.25	5.625	6.625	6.75	80	
			31.625		12.0625	5.25	5.5625	6.625			105
11	56C	3	33.6875	21.5	12.1875	5.25	5.625	6.625	6.75	85	
			33.5625		12.0625	5.25	5.5625	6.625			110
13	184TCH	5	35.5	23.5	12	5.25	7.0625	7.875	6.75	110	
			38.5625		15.0625	5.25	7.0625	7.875			120
15	184TCH	5	37.4375	25.4375	12	5.25	7.0625	7.875	6.75	110	
			40.5		15.0625	5.25	7.0625	7.875			125
16	184TCH	5	38.4375	26.4375	12	5.25	7.0625	7.875	6.75	115	
			41.5		15.0625	5.25	7.0625	7.875			125

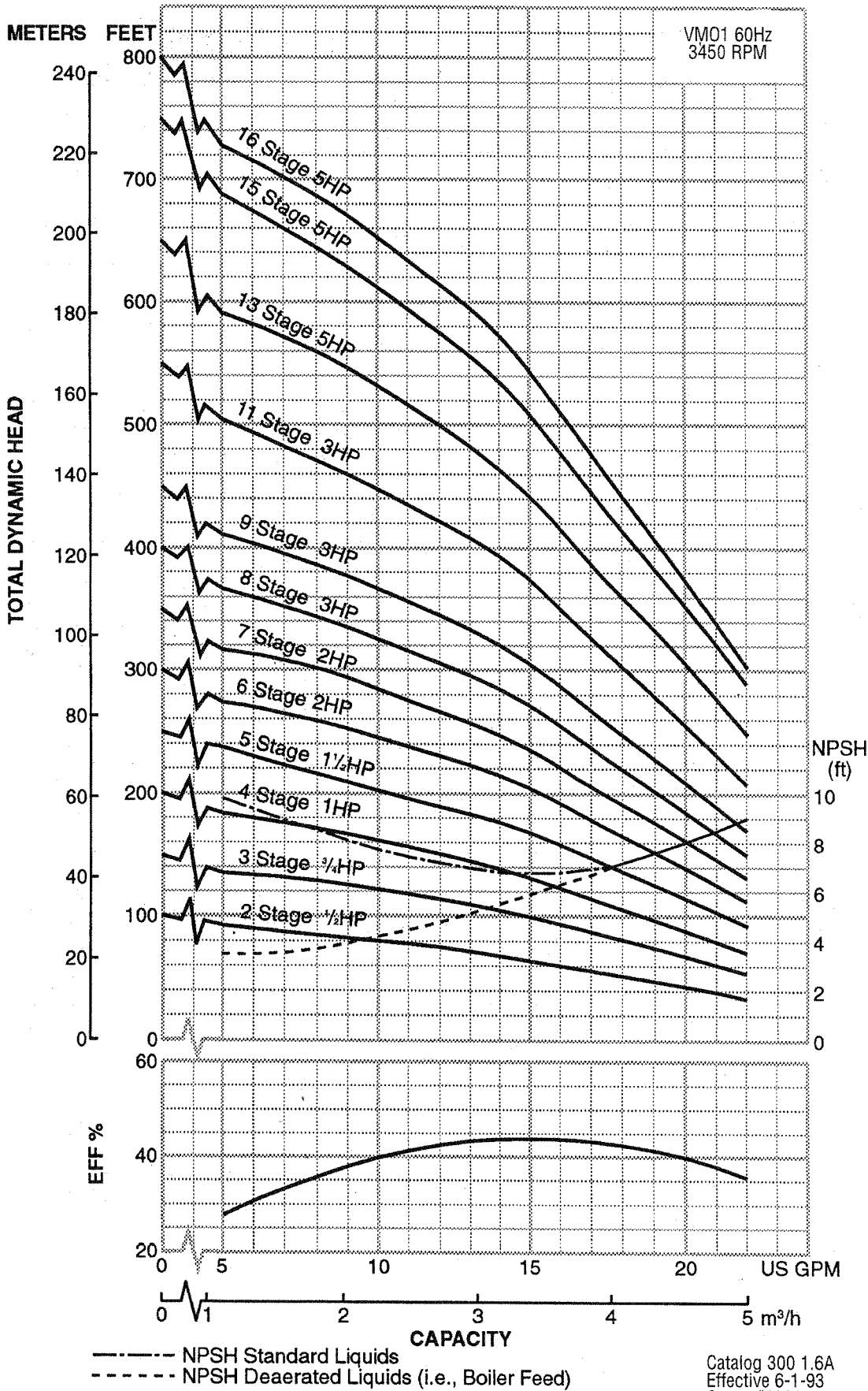


Stage	Motor		Dimensions (max.)							Wt. (lbs.)		
	Frame	HP	L1	L2	L3	L4	M1	M2	D1	D2	ODP	TEFC
5	56C	1.5	26.875	15.625	11.25	8.875	5.25	5.625	6.625	6.75	65	
			26.8125		11.1875	5.25	5.5625	6.625			70	
6	56C	2	27.875	16.625	11.25	9.875	5.25	5.625	6.625	6.75	70	
			28.6875		12.0625	5.25	5.5625	6.625			80	
7	56C	2	28.8125	17.5625	11.25	10.8125	5.25	5.625	6.625	6.75	70	
			29.625		12.0625	5.25	5.5625	6.625			80	
8	56C	3	30.75	18.5625	12.1875	11.8125	5.25	5.625	6.625	6.75	80	
			30.375		11.8125	5.25	5.5625	6.625			105	
9	56C	3	31.75	19.5625	12.1875	12.8125	5.25	5.625	6.625	6.75	80	
			31.625		12.0625	5.25	5.5625	6.625			105	
11	56C	3	33.6875	21.5	12.1875	14.75	5.25	5.625	6.625	6.75	85	
			33.5625		12.0625	5.25	5.5625	6.625			105	
13	184TCH	5	35.5	23.5	12	16.75	5.25	7.0625	7.875	6.75	110	
			38.5625		15.0625	5.25	7.0625	7.875			120	
15	184TCH	5	37.4375	25.4375	12	18.6875	5.25	7.0625	7.875	6.75	110	
			40.5		15.0625	5.25	7.0625	7.875			125	
16	184TCH	5	38.4375	26.4375	12	19.6875	5.25	7.0625	7.875	6.75	115	
			41.5		15.0625	5.25	7.0625	7.875			125	

Materials of Construction:

	Standard	Optional	Mechanical Seal:	Tungsten carbide/carbon Viton Elastomers
Casing	304 Stainless Steel	316L Stainless Steel		
Impellers	316L Stainless Steel	Same		
Diffusers	304 Stainless Steel	316L Stainless Steel	Maxi. Working Temperature:	-15°F (25°C) to 250°F (120°C)
Shaft	304 Stainless Steel	316L Stainless Steel	Maxi. Working Pressure:	360 psi (25 Bar)
Elastomers	Viton	EPDM	Pipe Connections:	1 1/4" CLASS 300
Intermediate Bushing	Ceramic	Same		
Intermediate Journal	Tungsten Carbide	Same		

Comments:



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. The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 316 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a tungsten carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

The pump shaft shall be a splined stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

Submittal Data Information

VM02B & VM02C Series Pumps



Model

Supersedes: New

3450 RPM

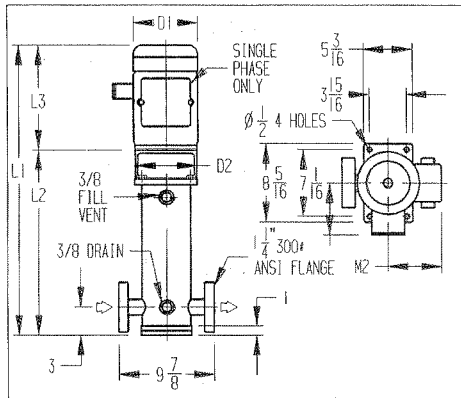
Job

Engineer

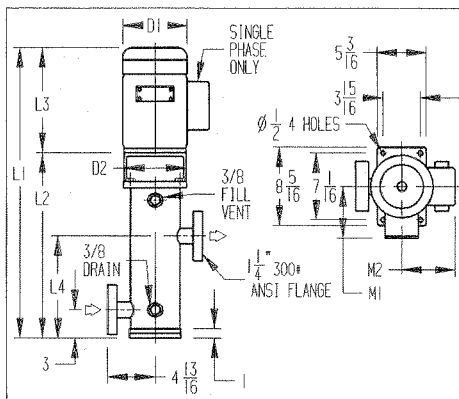
Contractor

Rep.

Item No.	Model No.	No. of Stages	G.P.M.	Head/Ft.	H.P.	Elec. Chars.



Stage	Motor		Dimensions (max.)							Wt. (lbs.)	
	Frame	HP	L1	L2	L3	M1	M2	D1	D2	ODP	TEFC
2	56C	.75	22.5	12.6875	9.8125	4.375	4.9375	5.6875	6.75	45	
			22.625		9.9375	4.5	5.125				50
3	56C	1	24.25	13.625	10.625	4.375	4.9375	5.6875	6.75	55	
			24.8125		11.1875	5.25	5.5625	6.625			65
4	56C	1.5	25.875	14.625	11.25	5.25	5.625	6.625	6.75	65	
			25.8125		12.0625		5.5625				65
5	56C	2	26.875	15.625	11.25	5.25	5.625	6.625	6.75	70	
			27.6875		12.0625		5.5625				75
6	56C	2	27.875	16.625	12.1875	5.25	5.625	6.625	6.75	70	
			28.6875		12.0625		5.5625				80
7	56C	3	29.75	17.5625	12.1875	5.25	5.625	6.625	6.75	80	
			29.625		12.0625		5.5625				100
8	56C	3	30.75	18.5625	12.1875	5.25	5.625	6.625	6.75	80	
			30.625		12.0625		5.5625				105
9	56C	3	31.75	19.5625	12.1875	5.25	5.625	6.625	6.75	80	
			31.625		12.0625		5.5625				105
11	184TCH	5	33.5	21.5	12	5.875	7.0625	7.875	6.75	110	
13	184TCH	5	35.5	23.5	12	5.875	7.0625	7.875	6.75	110	
			38.5625		15.0625						120
15	184TCH	5	37.4375	25.4375	12	5.875	7.0625	7.875	6.75	110	
			40.5		16.0625						125

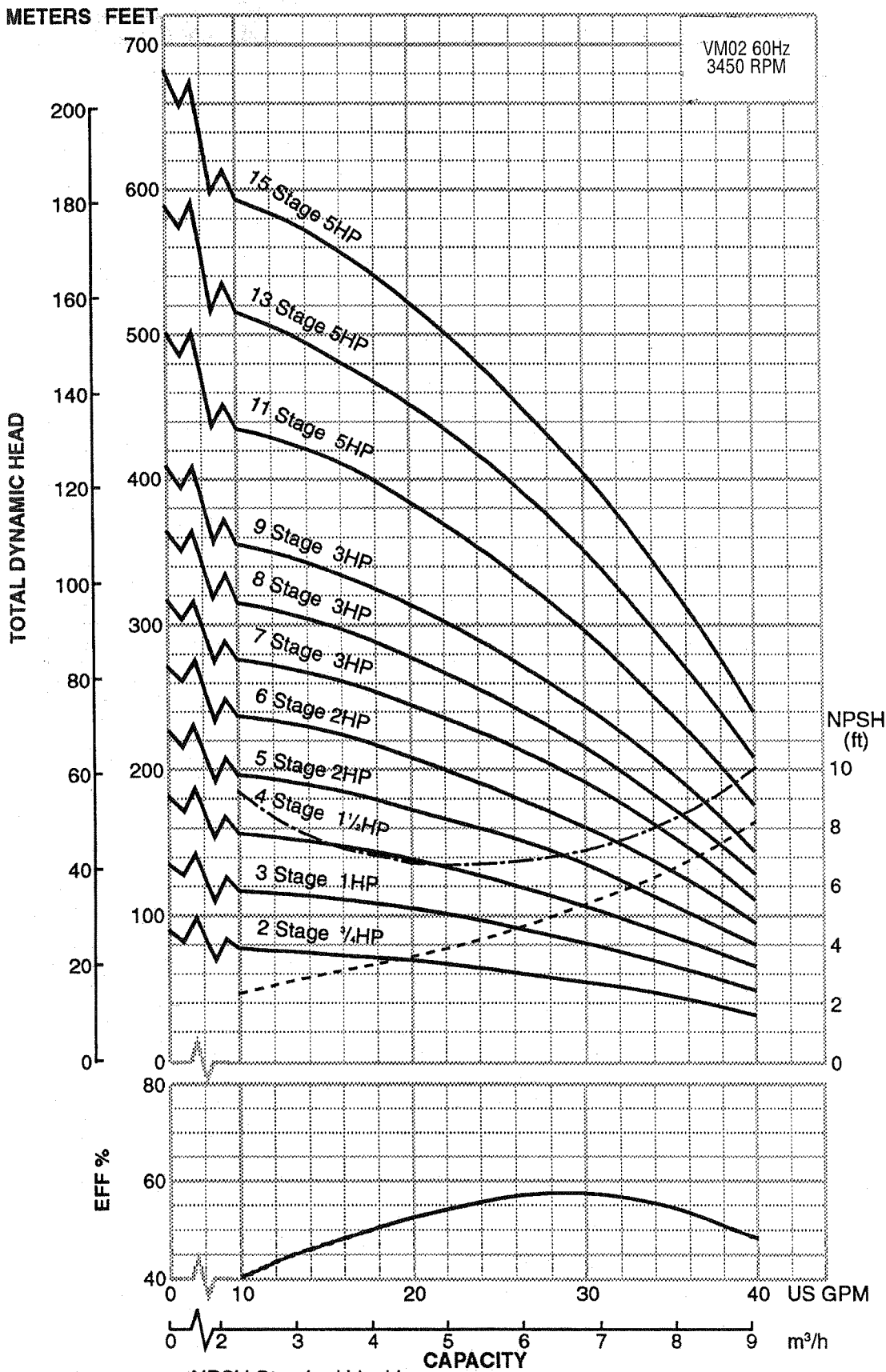


Stage	Motor		Dimensions (max.)							Wt. (lbs.)		
	Frame	HP	L1	L2	L3	L4	M1	M2	D1	D2	ODP	TEFC
5	56C	2	26.875	15.625	11.25	8.875	5.25	5.625	6.625	6.75	70	
			27.6875		12.0625		5.5625				75	
6	56C	2	27.875	16.625	12.1875	9.875	5.25	5.625	6.625	6.75	70	
			28.6875		12.0625		5.5625				80	
7	56C	3	29.75	17.5625	12.1875	10.8125	5.25	5.625	6.625	6.75	80	
			29.625		12.0625		5.625				100	
8	56C	3	30.75	18.5625	12.1875	11.8125	5.25	5.625	6.625	6.75	80	
			30.625		12.0625		5.5625				105	
9	56C	3	31.75	19.5625	12.1875	12.8125	5.25	5.625	6.625	6.75	80	
			31.625		12.0625		5.5625				105	
11	184TCH	5	33.5	21.5	12	14.75	5.875	7.0625	7.875	6.75	110	
13	184TCH	5	35.5	23.5	12	16.75	5.875	7.0625	7.875	6.75	110	
			38.5625		15.0625						120	
15	184TCH	5	37.4375	25.4375	12	18.6875	5.875	7.0625	7.875	6.75	110	
			40.5		16.0625						125	

Materials of Construction:

Casing	Standard 304 Stainless Steel	Optional 316L Stainless Steel	Mechanical Seal: Tungsten carbide/carbon Viton Elastomers
Impellers	316L Stainless Steel	Same	Maxi. Working Temperature: -13°F (25°C) to 250°F (120°C)
Diffusers	304 Stainless Steel	316L Stainless Steel	Maxi. Working Pressure: 360 psi (25 Bar)
Shaft	304 Stainless Steel	316L Stainless Steel	Pipe Connections: 1 1/4" CLASS 300
Elastomers	Viton	EPDM	
Intermediate Bushing	Ceramic	Same	
Intermediate Journal	Tungsten Carbide	Same	

Comments:



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. The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 316 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a tungsten carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

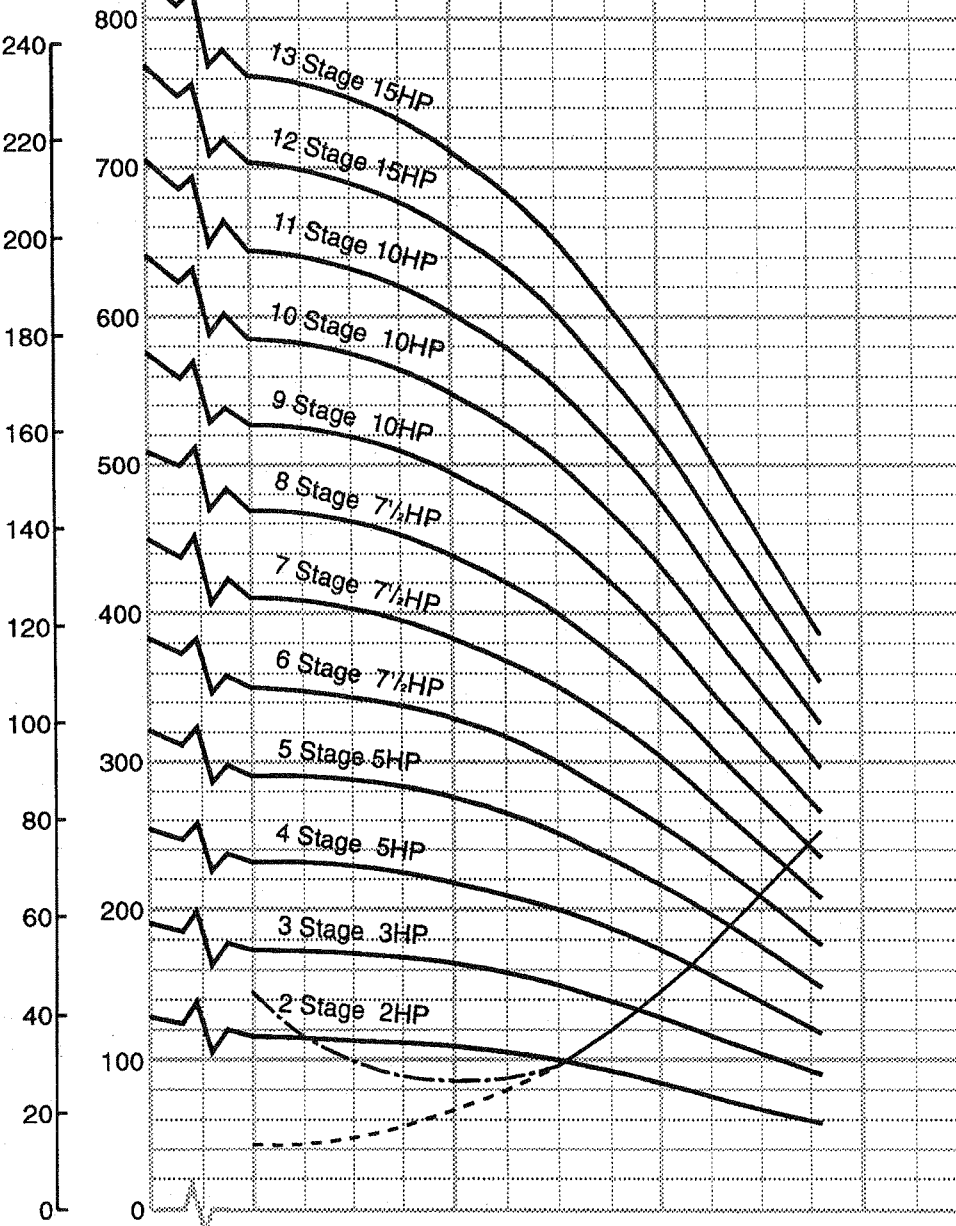
The pump shaft shall be a splined stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

Catalog 300 1.6B
Effective 6-1-93
Curve # 1229

METERS FEET

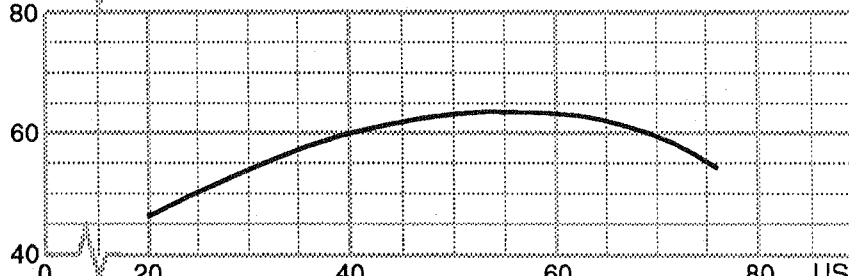
VM04 60Hz
3450 RPM

TOTAL DYNAMIC HEAD



NPSH (ft)

EFF %



----- NPSH Standard Liquids
 - - - - - NPSH Deaerated Liquids (i.e., Boiler Feed)

Catalog 300 1.6C
 Effective 6-1-93
 Curve # 1230

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. The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 316 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a tungsten carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

The pump shaft shall be a splined stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

Submittal Data Information VM06B & VM06C Series Pumps



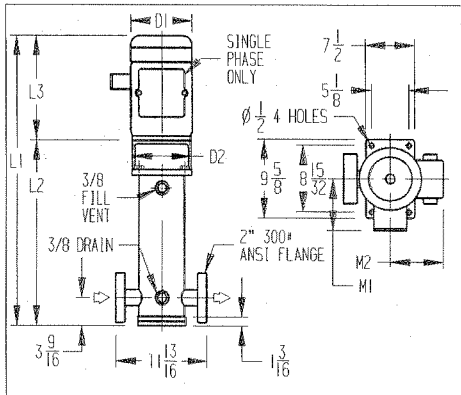
Model _____ Supersedes: New _____ 3450 RPM _____

Job _____

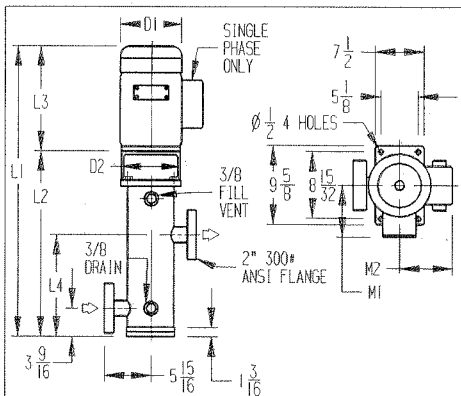
Engineer _____

Contractor _____ Rep. _____

Item No.	Model No.	No. of Stages	G.P.M.	Head/Ft.	H.P.	Elec. Chars.



Stage	Motor		Dimensions (max.)							Wt. (lbs.)	
	Frame	HP	L1	L2	L3	M1	M2	D1	D2	ODP	TEFC
2	184TCH	5	27.75	15.75	12	5.875	7.0625	7.875	6.75	110	
			30.8125		15.0625						
3	184TCH	7.5	29.25	17.25	12	5.875		7.875	6.75	120	
			32.3125		15.0625						125
4	184TCH	7.5	30.75	18.75	12	5.875		7.875	6.75	120	
			33.8125		15.0625						125
5	213TC	10	37	21.4375	15.5625	7.375		9.5625	11.8125	165	
	215TC									185	
6 & 7	215TC	15	40	24.4375	15.5625	7.375		9.5625		170	
	254TC		44.0625		19.625	8.9375		11.5	11.8125		300
8	215TC	15	41.5	25.9375	15.5625	7.375		9.5625		175	
	254TC		45.5625		19.625	8.9375		11.5	11.8125		305
9 & 10	254TC	20	45.3125	28.875	16.4375	8.9375		9.5625		275	
	256TC		48.875		20	9.625		11.5	11.8125		335

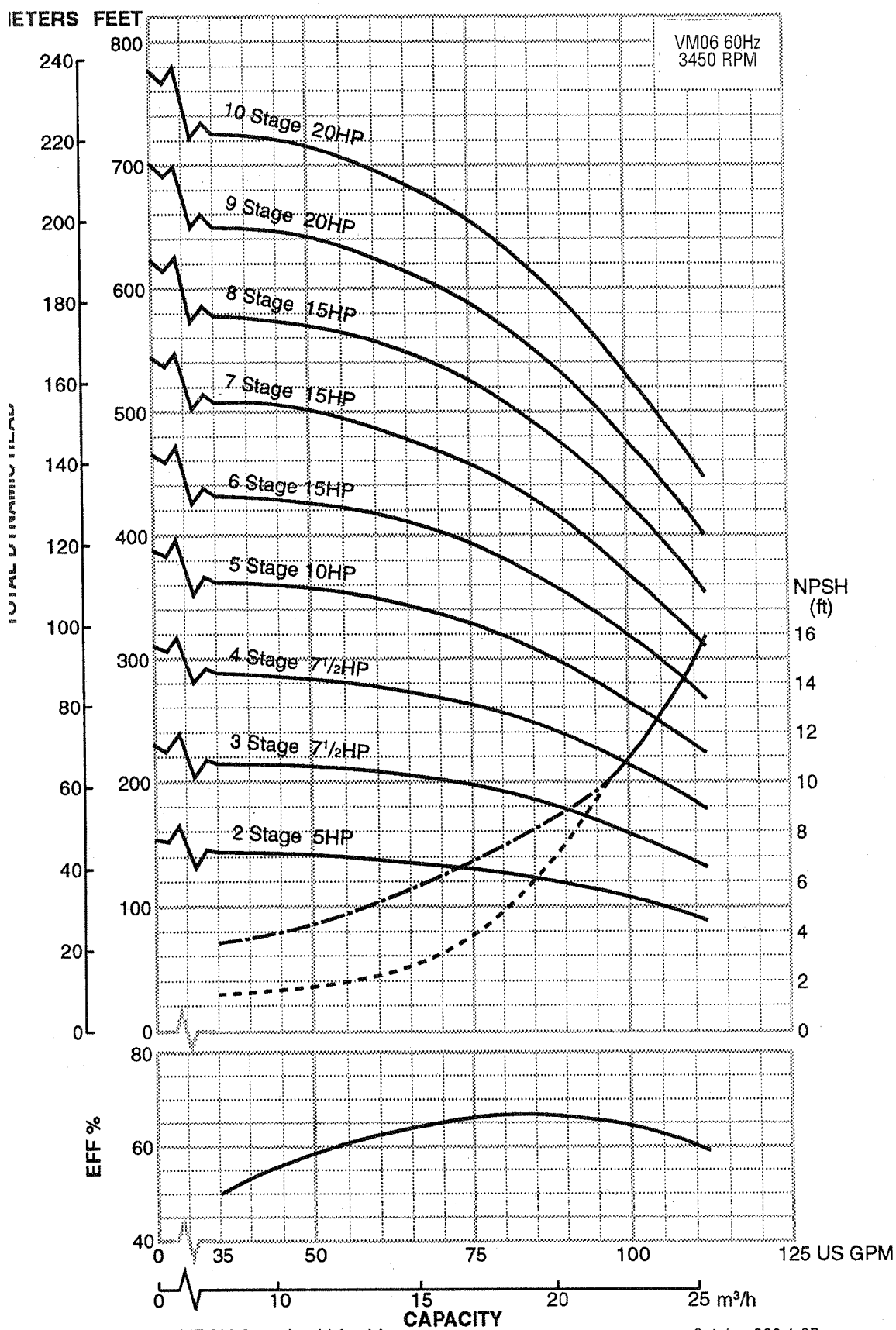


Stage	Motor		Dimensions (max.)							Wt. (lbs.)		
	Frame	HP	L1	L2	L3	L4	M1	M2	D1	D2	ODP	TEFC
4	184TCH	7.5	30.75	18.75	12	11.1875	5.875		7.875	6.75	120	
			33.8125		15.0625							125
5	213TC	10	37	21.4375	15.5625	12.6875	7.375		9.5625	11.8125	165	
	215TC										185	
6 & 7	215TC	15	40	24.4375	15.5625	15.6875	7.375		9.5625		170	
	254TC		44.0625		19.625		8.9375		11.5	11.8125		300
8	215TC	15	41.5	25.9375	15.5625	17.1875	7.375		9.5625		175	
	254TC		45.5625		19.625		8.9375		11.5	11.8125		305
9 & 10	254TC	20	45.3125	28.875	16.4375	20.1875	8.9375		9.5625		275	
	256TC		48.875		20		9.625		11.5	11.8125		335

Materials of Construction:

	Standard	Optional	Mechanical Seal:	Tungsten carbide/carbon Viton Elastomers
Casing	304 Stainless Steel	316L Stainless Steel		
Impellers	316L Stainless Steel	Same		
Diffusers	304 Stainless Steel	316L Stainless Steel	Max. Working Temperature:	-13°F (25°C) to 250°F (120°C)
Shaft	304 Stainless Steel	316L Stainless Steel	Max. Working Pressure:	360 psi (25 Bar)
Elastomers	Viton	EPDM	Pipe Connections:	2" Class 300
Intermediate Bushing	Ceramic	Same		
Intermediate Journal	Tungsten Carbide	Same		

Comments:



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. The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 316 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a tungsten carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

The pump shaft shall be a splined stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

Catalog 300 1.6D
Effective 6-1-93
Curve # 1231

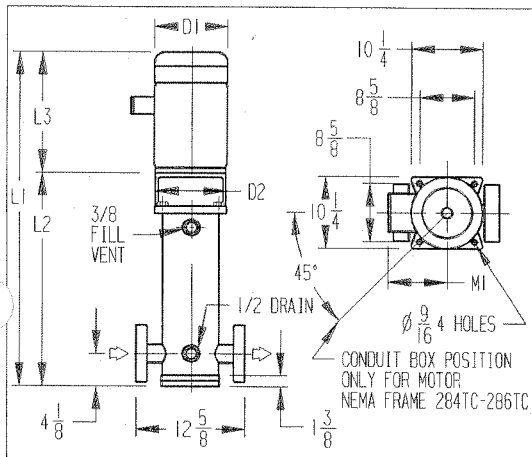
Submittal Data Information

VM10B & VM10D Series Pumps



Model	Supersedes: New	3450 RPM
Job		
Engineer		
Contractor	Rep.	

Item No.	Model No.	No. of Stages	G.P.M.	Head/Ft.	H.P.	Elec. Chars.



Stage	Motor		Dimensions (max.)							Wt. (lbs.)	
	Frame	HP	L1	L2	L3	M1	M2	D1	D2	ODP	TEFC
2	213TC	10	40.1875	24.625	15.5625	7.375		9.5625	11.8125	230	
	215TC		40.1875								255
3	215TC	15	43	27.4375	15.5625	7.375		9.5625	11.8125	240	
	254TC		49.9375	30.3125	19.625	8.9375		11.5			370
4	215TC	15	43	27.4375	15.5625	7.375		9.5625	11.8125	250	
	254TC		49.9375	30.3125	19.625	8.9375		11.5			380
5	254TC	20	57.125	40.6875	16.4375	8.9375		11.5	11.8125	375	
	256TC		60.6875		20	9.625		12.3125			435
6	256TC	25	61.5	43.5	18	8.3125		11.5	11.8125	395	
	284TC		67.3125	44.125	23.1875	13.125		15			575
7	256TC	25	64.375	46.375	18	8.3125		11.5	11.8125	405	
	284TC		69.9375	46.6875	23.1875	13.125		15			585
8	284TC	30	70.125	49.75	20.375	12.25		13.25	11.8125	490	
	286TC		72.9375		23.1875	13.125		15			610

Materials of Construction:

	Standard	Optional		
Casing	304 Stainless Steel	316L Stainless Steel	Mechanical Seal:	Silicon carbide/carbon
Impellers	316L Stainless Steel	Same		Viton Elastomers
Diffusers	304 Stainless Steel	316L Stainless Steel	Max. Working Temperature:	-13°F (25°C) to 250°F (120°C)
Shaft	431 Stainless Steel	316 Stainless Steel	Max. Working Pressure:	VM10B: 175 psi (12 bar) up to 3 stages
Elastomers	Viton	EPDM		VM10D: 275 psi (19 bar) up to 3 stages
Pump Base	Cast Iron	Cast 316 Stainless Steel		VM10B: 360 psi (25 bar) over 3 stages
Top Seal Housing	Cast Iron	Cast 316 Stainless Steel		VM10D: 360 psi (25 bar) over 3 stages
Intermediate Bushing	Ceramic	Same	Pipe Connections:	VM10B: 2 1/2" class 125 Iron up to 3 stages
Intermediate Journal	Tungsten Carbide	Same		VM10D: 2 1/2" class 150 Steel up to 3 stages
				VM10B: 2 1/2" class 250 Iron over 4 stages
				VM10D: 2 1/2" class 300 Steel over 4 stages

Comments:

METERS FEET

VM10 60Hz
3450-3525 RPM

TOTAL DYNAMIC HEAD

NPSH
(ft)

EFF %

CAPACITY

Catalog 300 1.6E
Effective 6-1-93
Curve # 1232

Suggested Specifications

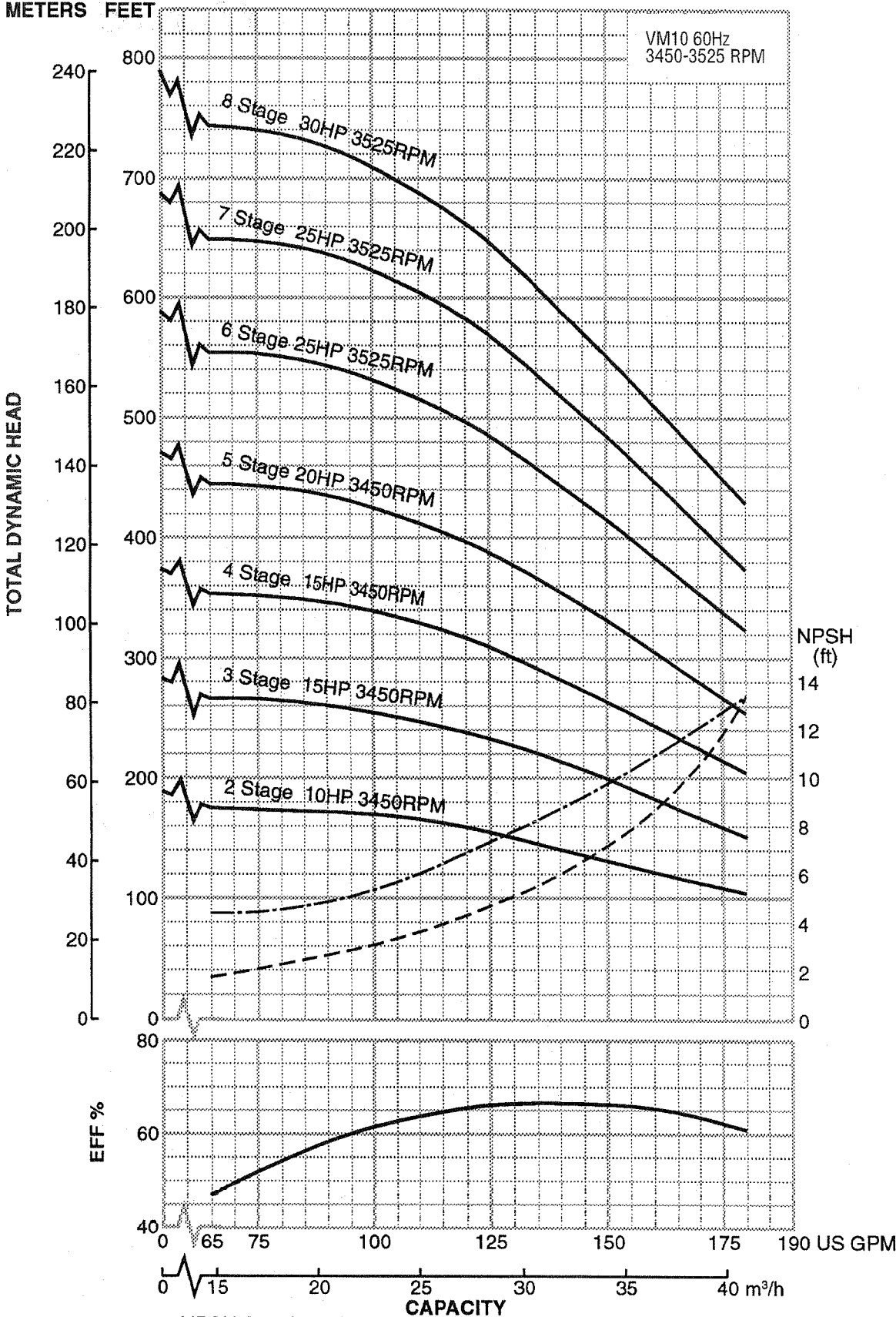
Furnish and install vertical multistage radial split case pump(s) with the capacities and characteristics as shown on the plans. Pumps shall be TACO Model VM or approved equal.

All wetted surfaces of the pump shall be stainless steel or cast iron (all stainless steel). The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 304 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a silicon carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

The pump shaft shall be a splined 304 grade stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

----- NPSH Standard Liquids
- - - - - NPSH Deaerated Liquids (i.e., Boiler Feed)



VM20B & VM20D Series Pumps



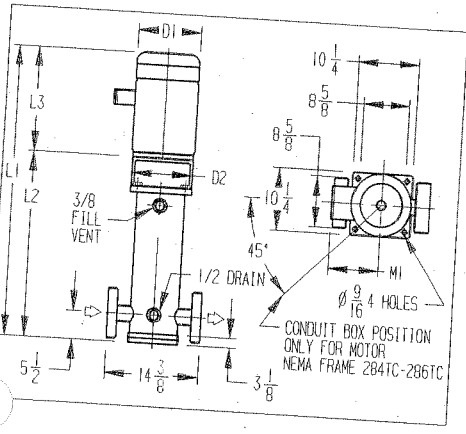
Model _____ Supersedes: New _____ 3450 RPM

Job _____

Engineer _____

Contractor _____ Rep. _____

Item No.	Model No.	No. of Stages	G.P.M.	Head/Ft.	H.P.	Elec. Chars.



Stage	Motor		Dimensions (max.)								Wt. (lbs.)	
	Frame	HP	L1	L2	L3	M1	M2	D1	D2	ODP	TEFC	
2	213TC	10	42.125	26.5625	15.5625	7.375	9.5625	9.5625	11.8125	240	TEFC	
	215TC											
3	215TC	15	45	29.4375	15.5625	7.375	9.5625	9.5625	11.8125	250	265	
	254TC		49.0625		19.625	8.9375	11.5	11.5				
4	254TC	20	48.6875	32.25	16.3125	8.9375	11.5	11.5	11.8125	355	385	
	256TC		52.25	32.25	20	9.625	12.3125	12.3125				
5	256TC	25	60.625	42.625	18	8.3125	11.5	11.5	11.8125	400	415	
	284TC		66.4375	43.25	23.1875	13.125	15	15				
6	284TC	30	66.4375	46.0625	20.375	12.25	13.25	13.25	11.8125	490	580	
	286TC		69.25		23.1875	13.125	15	15				

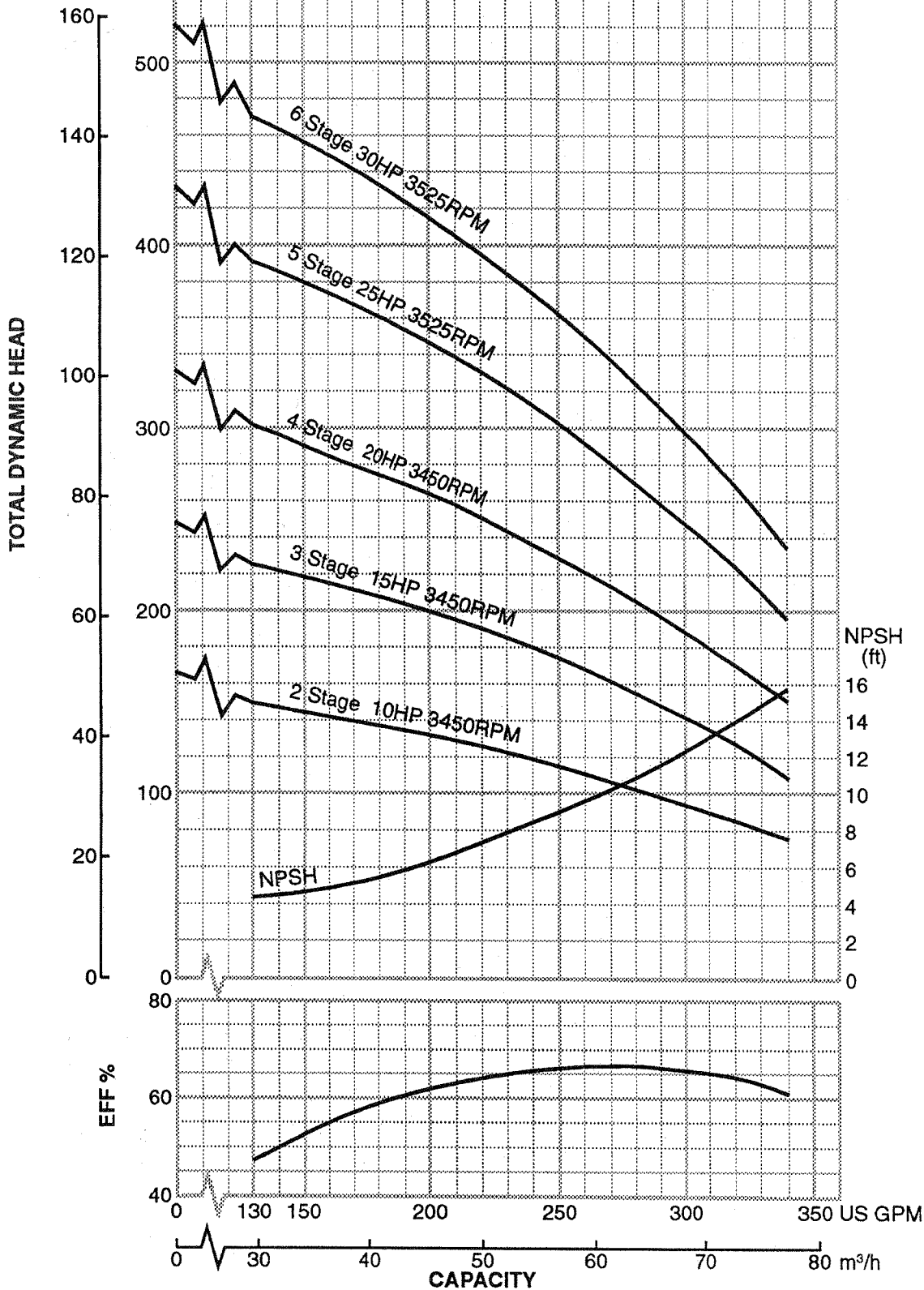
Materials of Construction:

Casing	Standard	Optional	Mechanical Seal:	Silicon carbide/carbon
Impellers	304 Stainless Steel	316L Stainless Steel		Seal faces
Diffusers	316L Stainless Steel	Same	Max. Working Temperature:	Viton Elastomers
Shaft	304 Stainless Steel	316L Stainless Steel	-13°F (25°C) to 250°F (120°C)	
Elastomers	431 Stainless Steel	316L Stainless Steel	Max. Working Pressure:	VM20B: 175 psi (12 bar) up to 5 stages
Pump Base	Viton	EPDM		BM20B: 275 psi (19 bar) over 5 stages
Top Seal Housing	Cast Iron	Cast 316 Stainless Steel		VM20D: 275 psi (19 bar)
Intermediate Bushing	Cast Iron	Cast 316 Stainless Steel	Pipe Connections:	VM20B: 4" Class 125 Iron up to 5 stages
Intermediate Journal	Ceramic	Same		VM20B: 4" Class 150 Steel over 5 stages
	Tungsten Carbide	Same		VM20D: 4" Class 150 Steel

Comments:

METERS FEET

VM20 60Hz
3450-3525 RPM



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 of cast iron (all stainless steel). The pump shall be fitted with replaceable Viton (EPDM) wear O-rings to insure alignment and to prevent impeller recirculation. The pump must have a balanced axial thrust design so that standard NEMA motor bearings can be utilized on all sizes. The impeller shall be balanced by design and not require balancing in the field. The impeller(s) shall be 304 stainless steel.

The pump mechanical seal shall be a single unbalanced (balanced) type that has a silicon carbide stationary seat and a carbon rotating face. The seal housing shall be concave so that air is not trapped in the area directly around the mechanical seal.

The pump shaft shall be a splined 304 grade stainless steel. The shaft intermediate bearing and journal shall be aluminum oxide ceramic and tungsten carbide, respectively, and be water lubricated.

Catalog 300 1.6F
Effective 6-1-93
Curve # 1233