

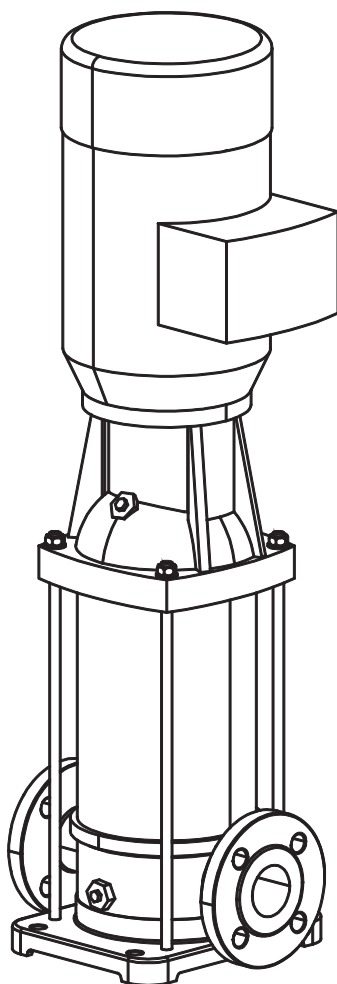


4730 SERIES

VERTICAL MULTISTAGE PUMPS

VM1

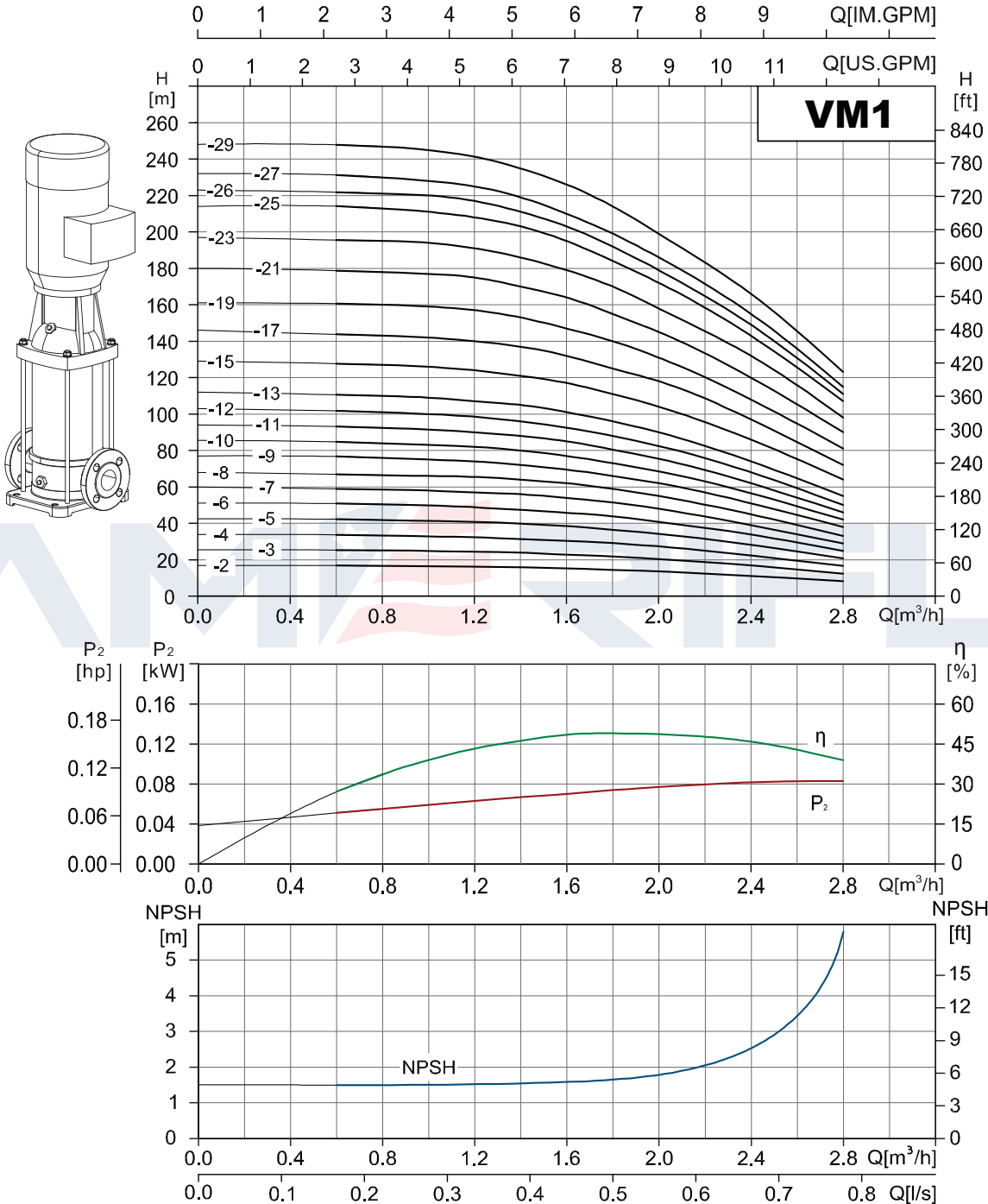
ENGINEERING INFORMATION





VERTICAL MULTISTAGE CURVE JANUARY 1, 2022

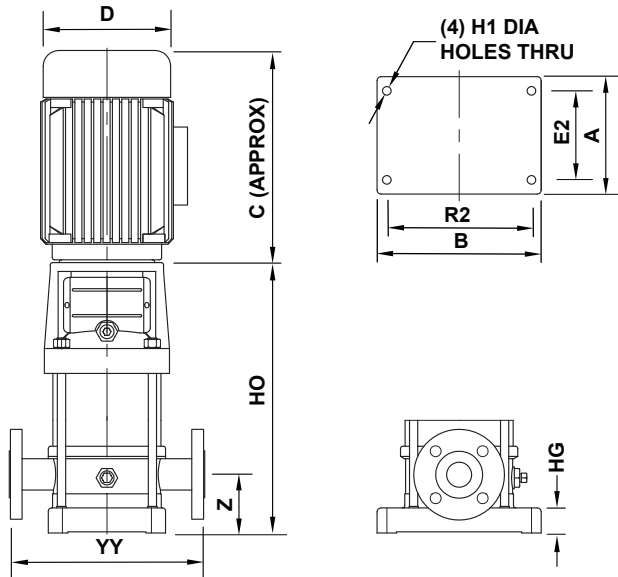
4730 VM1 3500 RPM



PERFORMANCE IS BASED ON PUMPING CLEAR, FRESH WATER AT A TEMPERATURE NOT OVER 85°F, FREE OF GAS, AIR, ABRASIVES AND WITH PROPER IMPELLER ADJUSTMENT & SUBMERGENCE (IF REQUIRED).

MODEL VM1 - VERTICAL MULTISTAGE, ELECTRIC NEMA MOTOR

GENERAL ARRANGEMENT DRAWING



FLANGE DRILLING STANDARD & DETAILS						
SUCT	250# ANSI		DISC	250# ANSI		
	SIZE	RF DIA	P.C.D	# HOLES	SIZE	
SUCT	1.25	2.375	3.500	4	0.750	
DISC	1.25	2.375	3.500	4	0.750	
FORCES (LBS) & MOMENTS (LB-Feet)						
	Fx	Fy	Fz	Mx	My	Mz
SUCT	160	130	200	340	170	260
DISC	160	130	200	340	170	260

VM1

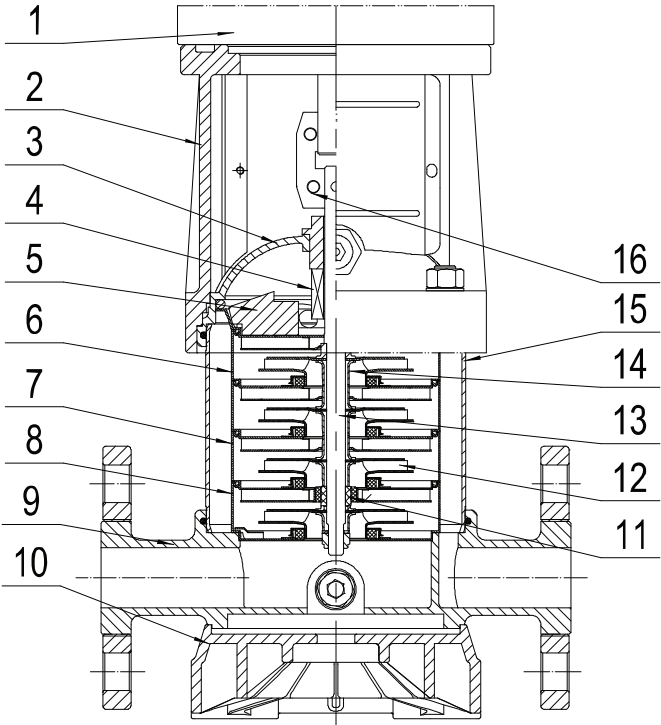
MODEL	SPEED RPM	A	B	C	D	E2	H1	HG	HO	R2	YY	Z	WEIGHT LBS
VM1-2	3500	9.413	6.000	VARIES	VARIES	7.000	0.500	1.250	11.413	3.938	9.875	2.938	31
VM1-3		9.413	6.000			7.000	0.500	1.250	12.250	3.938	9.875	2.938	31
VM1-4		9.413	6.000			7.000	0.500	1.250	13.000	3.938	9.875	2.938	33
VM1-5		9.413	6.000			7.000	0.500	1.250	13.750	3.938	9.875	2.938	33
VM1-6		9.413	6.000			7.000	0.500	1.250	14.625	3.938	9.875	2.938	33
VM1-7		9.413	6.000			7.000	0.500	1.250	15.375	3.938	9.875	2.938	35
VM1-8		9.413	6.000			7.000	0.500	1.250	16.188	3.938	9.875	2.938	35
VM1-9		9.413	6.000			7.000	0.500	1.250	16.938	3.938	9.875	2.938	37
VM1-10		9.413	6.000			7.000	0.500	1.250	17.750	3.938	9.875	2.938	37
VM1-11		9.413	6.000			7.000	0.500	1.250	18.500	3.938	9.875	2.938	40
VM1-12		9.413	6.000			7.000	0.500	1.250	19.313	3.938	9.875	2.938	40
VM1-13		9.413	6.000			7.000	0.500	1.250	20.500	3.938	9.875	2.938	40
VM1-15		9.413	6.000			7.000	0.500	1.250	21.625	3.938	9.875	2.938	44
VM1-17		9.413	6.000			7.000	0.500	1.250	23.250	3.938	9.875	2.938	46
VM1-19		9.413	6.000			7.000	0.500	1.250	25.375	3.938	9.875	2.938	53
VM1-21		9.413	6.000			7.000	0.500	1.250	27.000	3.938	9.875	2.938	53
VM1-23		9.413	6.000			7.000	0.500	1.250	28.500	3.938	9.875	2.938	55
VM1-25		9.413	6.000			7.000	0.500	1.250	30.000	3.938	9.875	2.938	57
VM1-26		9.413	6.000			7.000	0.500	1.250	30.875	3.938	9.875	2.938	60
VM1-27		9.413	6.000			7.000	0.500	1.250	31.625	3.938	9.875	2.938	62
VM1-29		9.413	6.000			7.000	0.500	1.250	33.250	3.938	9.875	2.938	64

NOTES:

ALL DIMENSIONS ARE IN INCHES AND MAY VARY ± 0.375 INCHES.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED BY AMERIFLO.

MODEL VM1 - SECTIONAL VIEW



Pos.	Name	Materials	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
3	Lining	Stainless steel	AISI304
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Stainless steel	AISI304
10	Base plate	Cast aluminum	
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	