

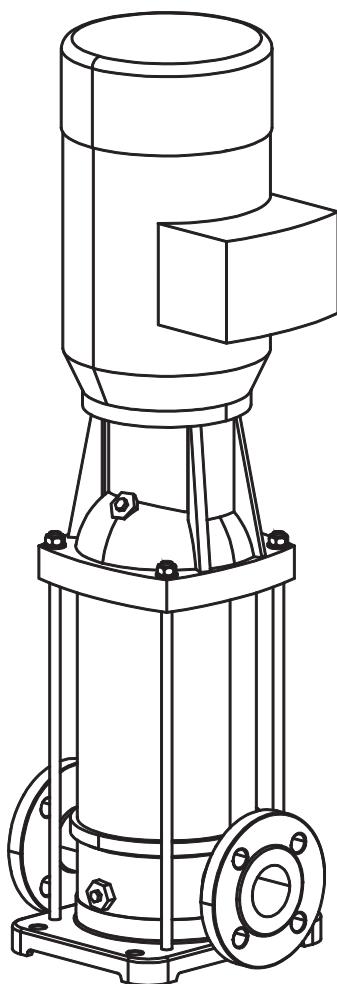


4730 SERIES

VERTICAL MULTISTAGE PUMPS

VM20

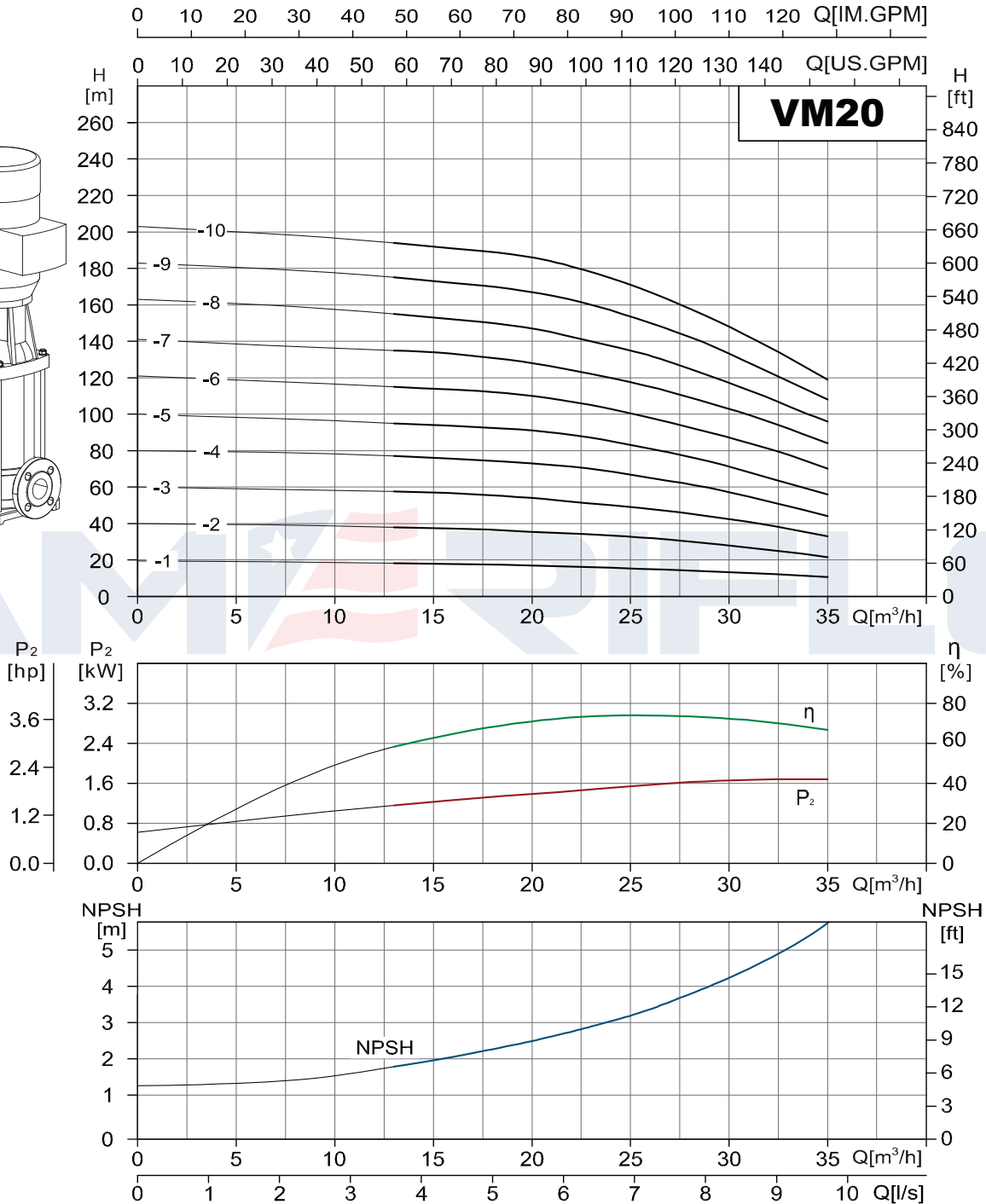
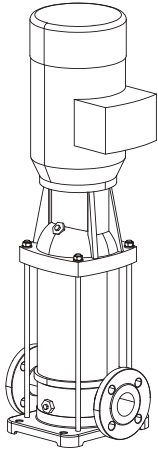
ENGINEERING INFORMATION





VERTICAL MULTISTAGE CURVE JANUARY 1, 2022

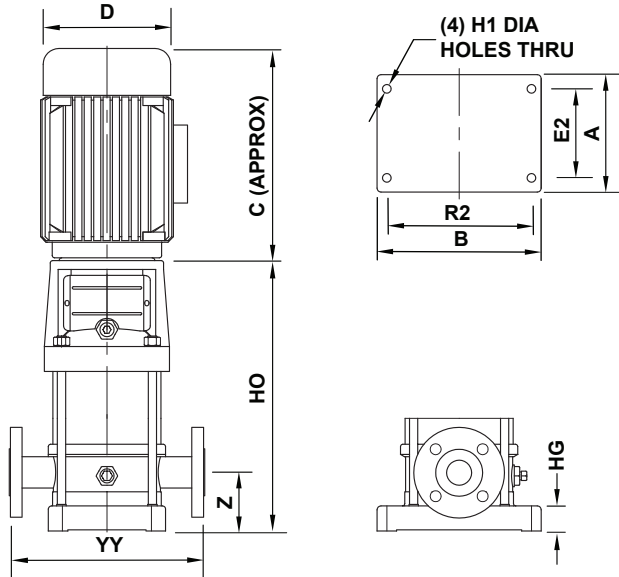
4730 VM20 3500 RPM



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 VM20 - 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	2.00	3.125	5.000	8	0.750	
DISC	2.00	3.125	5.000	8	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

VM20

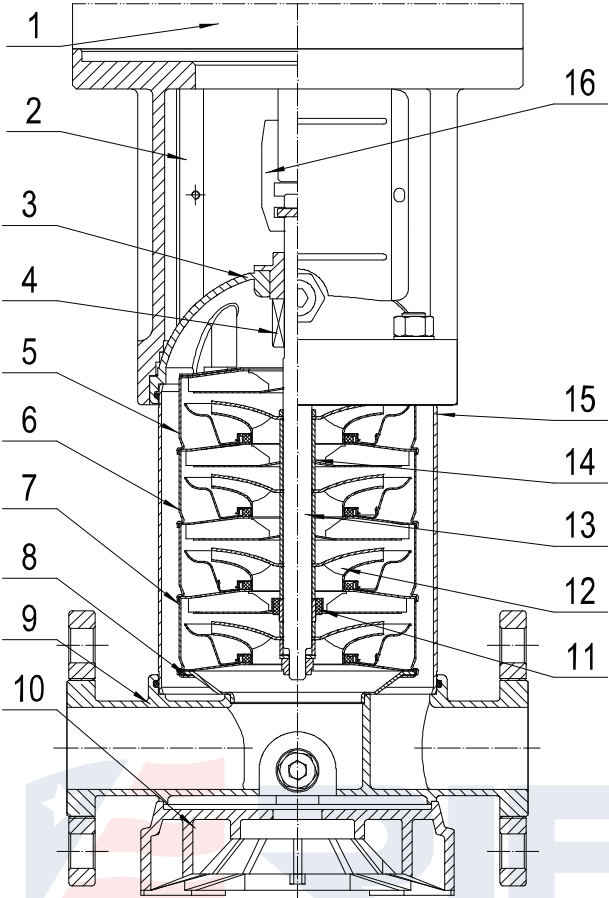
MODEL	SPEED RPM	A	B	C	D	E2	H1	HG	HO	R2	YY	Z	WEIGHT LBS
VM20-1	3500	11.438	7.625	VARIES	VARIES	8.500	0.500	1.250	16.500	5.125	11.813	3.500	55
VM20-2		11.438	7.625			8.500	0.500	1.250	16.500	5.125	11.813	3.500	60
VM20-3		11.438	7.625			8.500	0.500	1.250	18.750	5.125	11.813	3.500	66
VM20-4		11.438	7.625			8.500	0.500	1.250	20.500	5.125	11.813	3.500	79
VM20-5		11.438	7.625			8.500	0.500	1.250	25.250	5.125	11.813	3.500	88
VM20-6		11.438	7.625			8.500	0.500	1.250	27.000	5.125	11.813	3.500	93
VM20-7		11.438	7.625			8.500	0.500	1.250	28.875	5.125	11.813	3.500	95
VM20-8		11.438	7.625			8.500	0.500	1.250	30.625	5.125	11.813	3.500	97
VM20-9		11.438	7.625			8.500	0.500	1.250	31.625	5.125	11.813	3.500	104
VM20-10		11.438	7.625			8.500	0.500	1.250	33.375	5.125	11.813	3.500	106

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 VM20 - 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