

Company: Magnetex Pumps M-28152-2  
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 Date: 1/3/2019

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 VFD



#### Pump:

Model: AA6  
 Type: MAXP ANSI  
 Synch speed: 3600 rpm  
 Magnet: F25-Nd  
 Specific Speeds:  
 Dimensions:  
 Speed: 3300 rpm  
 Dia: 6.4 in  
 Size: 1.5 x 1 x 6  
 Ns: ---  
 Nss: ---  
 Suction: 1.5 in  
 Discharge: 1 in

#### Search Criteria:

Flow: 14 US gpm Head: 147 ft

#### Fluid:

Ethanol  
 SG: 0.863  
 Viscosity: 11.8 cP  
 Temperature: -94 °F  
 Vapor pressure: 1 psi a  
 Atm pressure: 14.7 psi a  
 Viscosity correction: Flow x 0.980 / Head x 0.980 / Eff x 0.864  
 NPSHa: ---

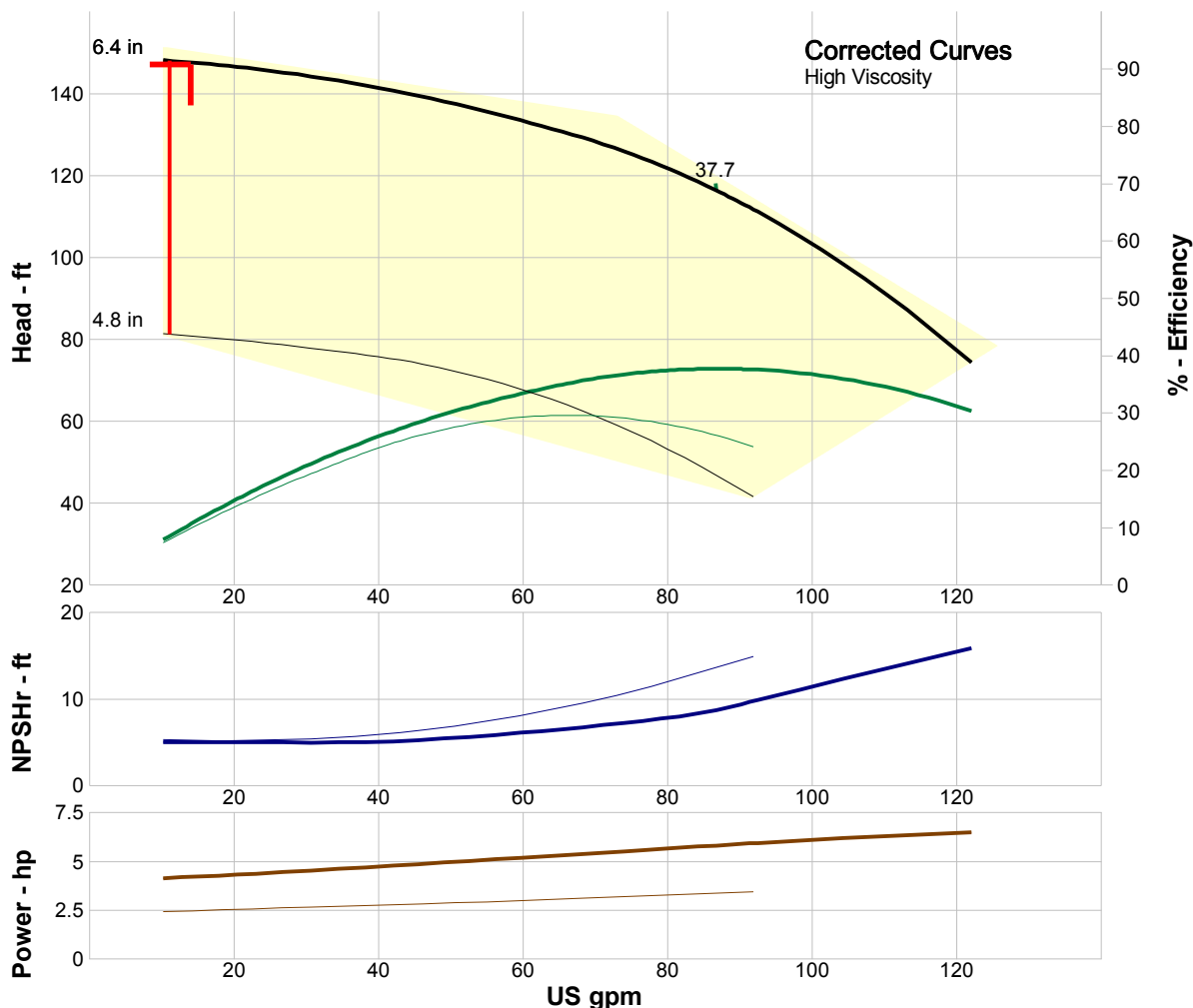
#### Pump Limits:

Temperature: -150 °F  
 Pressure: 284 psi g  
 Sphere size: ---  
 Power: 44 hp  
 Eye area: ---

#### Motor:

Standard: NEMA  
 Enclosure: TEFC  
 Size: 7.5 hp  
 Speed: 3600  
 Frame: 213T  
 Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	14 US gpm
Head:	147 ft
Eff:	10.5%
Power:	4.22 hp
NPSHr:	5.06 ft
---- Design Curve ----	
Shutoff head:	149 ft
Shutoff dP:	55.7 psi
Min flow:	11 US gpm
BEP:	37.7% @ 86.7 US gpm
NOL power:	
	6.51 hp @ 122 US gpm
-- Max Curve --	
Max power:	
	6.51 hp @ 122 US gpm



Max temp for foot-mount MAXP pump w/SmCo Magnets is 550F. Centerline mount available to 800F. Max HP/100 rpm for magnet frame indicated in magnet size is F&S=1.22; M=2.55; & L=6.33

#### Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
16.8	3300	147	12.4	4.27	5.05
14	3300	147	10.5	4.22	5.06
11.2	3300	148	8.6	4.17	5.07
8.4	3300	---	---	---	---
5.6	3300	---	---	---	---



"Since 1985 our passion has been your process reliability and profitability."

M-28152-2

MAG DRIVE SEAL-LESS PUMP

TOTALEAF

TECHNICAL SPECIFICATIONS							
MODEL		LIQUID	CAPACITY	TOTAL HEAD	S.G.	TEMP oF	VISC IN cP
MAXP AA6-F25		ETHANOL	16 GPM	147 FT	0.863	-94	11.8
MOTOR HP	RPM	ENCLOSURE	FRAME	CASING	IMPELLER	SHAFT	GASKETS
7.5/3600	VAR	TEFC	213T	316 SS	316 SS	316 SS	PTFE-V7020
PH/HZ/VOLTS	SERV. FACTR	DUTY	MOTOR MFR	REAR CSG	BUSH BRG	THR RINGS	SHAFT SLV
3/60/230-460	1.15	CONT.	WEG OR EQUAL	316 SS + HC EQU.	SiC	SiC	SiC
SUCT PRES	DISCH. PRES	VAPOR PRES	NPSH AVAIL	NPSH REQ'D	BRG HSG LUBE	MAGNETS	MOUTH RING
0 psi g	55 psi g	ADVISE	ADVISE	5 Ft.	Oil	Nd	N/A

PRICE AND DELIVERY						
ITEM	QTY	PART # / DESCRIPTION	UNIT WT.	UNIT PRICE	EXTENDED PRICE	SHIPMENT LEAD TIME
1	1	MAXP AA6-F25 Pump assembly and motor mounted on a common non-metallic baseplate w/ non-lube spacer coupling and coupling guard .	900#	\$11,614.00	\$11,614.00	STOCK 4-6 Wks. ARO
2	1	OPTIONAL SiC-X Bearings w/Enhanced dry run material		\$1,148.00	\$1,148.00	STOCK
3	1	OPTIONAL Dry Run Protection PMP-25V W/ UPC Watt Monitor FOR USE W/ VFD	8#	\$1,475.00	\$1,475.00	1-2 Wks. ARO
4	1	mitsubishi 7.5 HP VFD CONTROLLER 200-240V		\$903.00	\$903.00	1-2 Wks. ARO

FLANGED CONNECTIONS ARE RAISED FACE ANSI DIMENSIONS WITH FINISH PER ISO STANDARDS. PRICES ARE FOB HOUSTON, TX. PAYMENT TERMS TO BE DETERMINED UNLESS CUSTOMER HAS AN ESTABLISHED ACCOUNT WITH MPI. All Items are Subject to Prior Sale. Taxes and Tariffs Extra. Quotation valid for thirty days unless stated otherwise in written correspondence.  
 This quotation and any resultant order is subject to Magnatex Pumps, Inc.'s approval and acceptance, and standard terms and conditions including those limiting warranties, unless other terms and conditions are specifically agreed to by Magnatex Pumps, Inc. in writing.  
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