

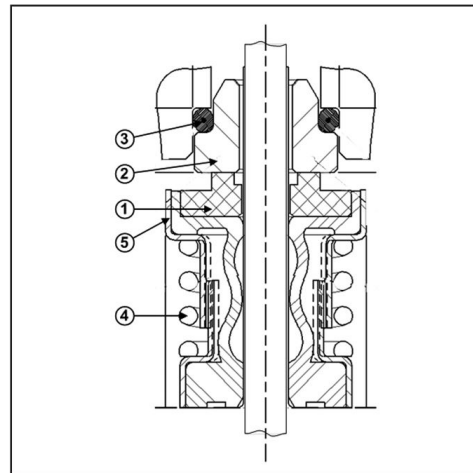
Customer	Date	05.03.2019
Contact	Project	
Phone number	Project no.	
Email		

# 1ST1D5D4

Operating Data		End Suction Pumps	Fluid	Water
Pump type				
No. of pumps / Reserve	1 / 0		Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 0		pH-value at t A	7
Nominal head	ft 0		Density at t A	lb/ft <sup>3</sup> 62.4
Static head	ft 0		Kin. viscosity at t A	ft <sup>2</sup> /s 1.689E-5
Inlet pressure	psi 0		Vapor pressure at t A	psi 14.5
Environmental temperature	°F 68		Solids	0
Available system NPSH	ft 0		Altitude	ft 0

Pump Data				
Make	Goulds Water Technology	Nominal	US g.p.m.	( )
Speed	rpm 3500	Flow	Max- US g.p.m.	43.4
Number of stages	1		Min- US g.p.m.	
Max. casing pressure	psi		Nominal	ft
Max. working pressure	psi 41.1	Head	at Qmax	ft 48.5
Head H(Q=0)	ft 95		at Qmin	ft 94.7
Weight	lb On demand	Shaft power	hp	( )
	Max. inch 6 1/8	Max. shaft power	hp	1.1
Impeller R	designed inch 4 3/4	Efficiency	%	
	Min. inch 4 7/16	NPSH 3%2525	ft	

Shaft Seal		
Type 21 NPE	John Crane	
NPE Mechanical Seal		
1 - Rotating Face	Carbon	
2 - Stationary Face	Silicon Carbide	
3 - Elastomers	Viton	
4 - Metal Components	ALSI 316 SS	



Motor Data					
Manufacturer	Bluffton	Electric voltage	208 V	Speed	3500 rpm
Specific design	3ph TEFC			Frame size	56J
Type	E05C32E2EB6G	Electric current	0 A	Insulation class	B
Rated power	0.75 hp	Degree of protection	IP 55	Colour	RAL 5010

**Remarks:**

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## Pump Materials

100-Casing	AISI 316L SS
101-Impeller	AISI 316L SS
108-Axis seal	AISI 316L SS
108-Axis seal vent/flush	AISI 316L SS
123-Deflector	BUNA-N
184-Axis seal vent/flush	AISI 316L SS
184-Axis seal vent/flush	AISI 316L SS
347-Guide vane	AISI 316L SS
370-Seal in head eye, casing	Viton
371-Bolts, motor	AISI 410 SS
405-Drum and nut plug casing	Plated Steel
405-Drum and nut plug casing	AISI 316L SS
510-NEA casing	Viton
510-NEA casing, 56J flange	Viton
	-

Remarks:

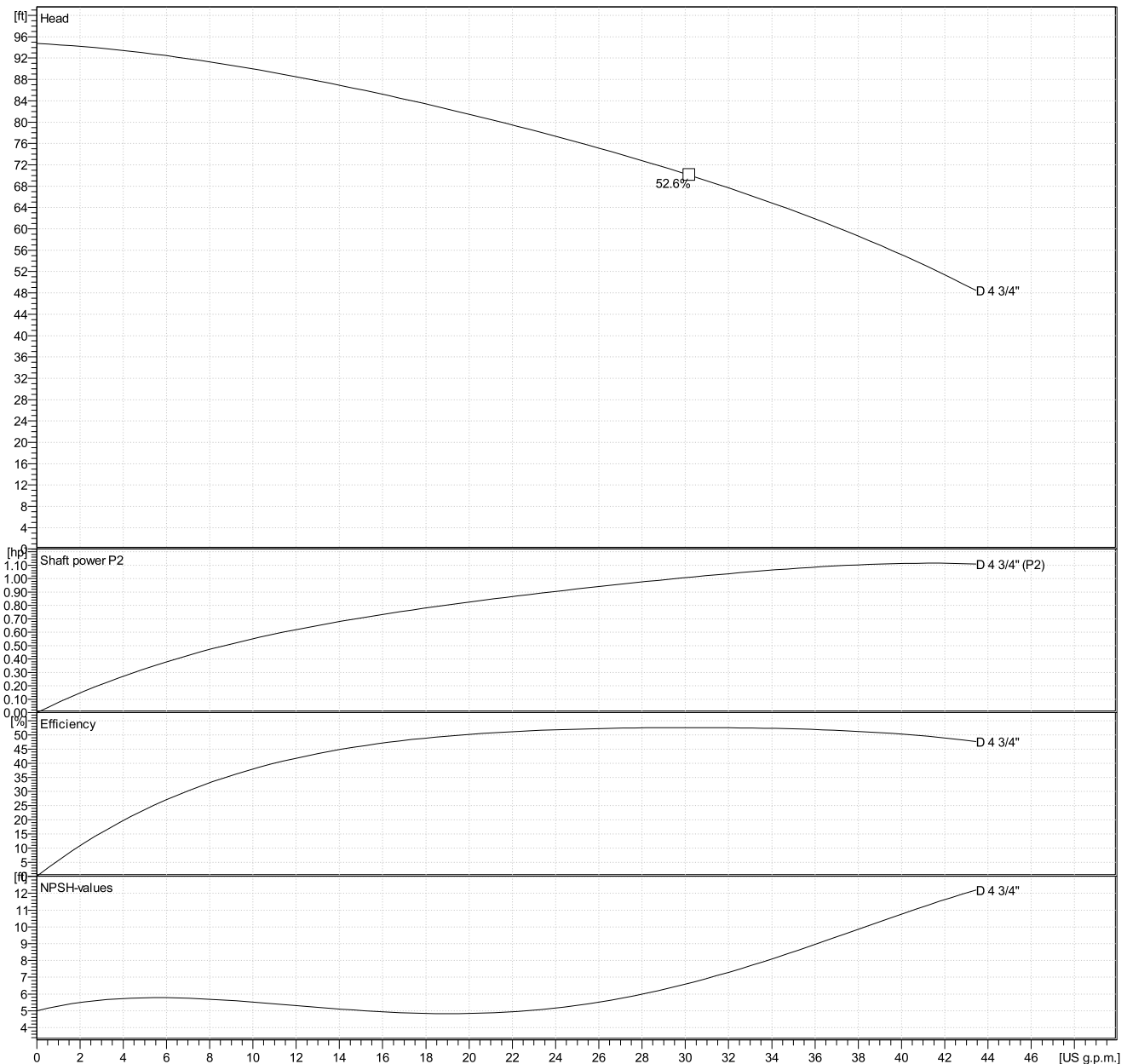
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## Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.	Flow		Impeller R	4 <sup>3</sup> / <sub>4</sub> "
Head	0 ft	Head		Frequency	60 Hz
Static head	0 ft			Speed	3500 rpm

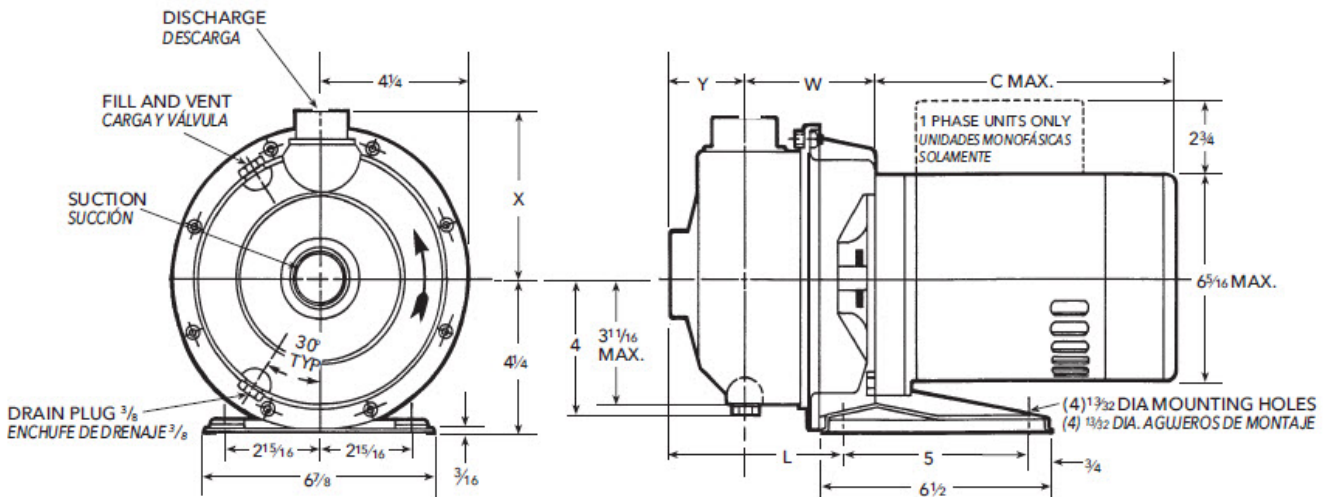
Power data referred to:  
 Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s  
 Performance according to ISO 9906 - Annex A



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## Drawing



## Dimensions inch

C Max	$10\frac{7}{16}$					Weight On demand $\Phi$
Discharge	1					
L	$4\frac{9}{16}$					
Suction	$1\frac{1}{4}$					
W	$3\frac{9}{16}$					
X	$4\frac{3}{8}$					
Y	2					