

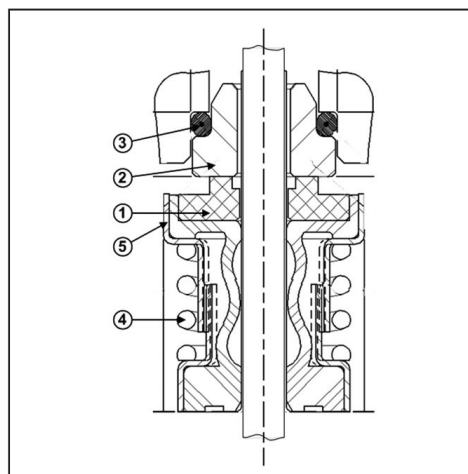
Customer	Date	05.03.2019
Contact	Project	
Phone number	Project no.	
Email		

1ST1E2C4

Operating Data		End Suction Pumps		
Pump type			Fluid	Water
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/ft³ 62.4
Static head	ft 0		Kin. viscosity at t A	ft²/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. 45.5
Number of stages	1		Min-	US g.p.m.
Max. casing pressure	psi		Nominal	ft
Max. working pressure	psi 49.4	Head	at Qmax	ft 63.3
Head H(Q=0)	ft 110		at Qmin	ft 113.9
Weight	lb On demand	Shaft power	hp	()
	Max. inch 6 1/8	Max. shaft power	hp 1.5	
Impeller R	designed inch 5 3/16	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 ODP			Frame size	56J
Type	E06C32E1EB5G	Electric current	0 A	Insulation class	B
Rated power	1 hp	Degree of protection	IP 55	Colour	RAL 5010

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Pump Materials

100-Casing	AISI 316L SS
101-Impeller	AISI 316L SS
108-Motor adapter	AISI 316L SS
108-Motor adapter seal	AISI 316L SS
vent/flush	BUNA-N
123-Deflector	AISI 316L SS
184-Seal housing	AISI 316L SS
184-Seal housing seal	AISI 316L SS
vent/flush	AISI 316L SS
347-Guide vane	Viton
370-Seal in head/case	AISI 410 SS
370-Seal in head/case, casing	Plated Steel
371-Bolts, motor	AISI 316L SS
400-Down and vent plug casing	Viton
400-Down and vent plug casing	Viton
400-Down and vent plug casing	-
56J-NEC casing	
56J-NEC casing, 56J flange	

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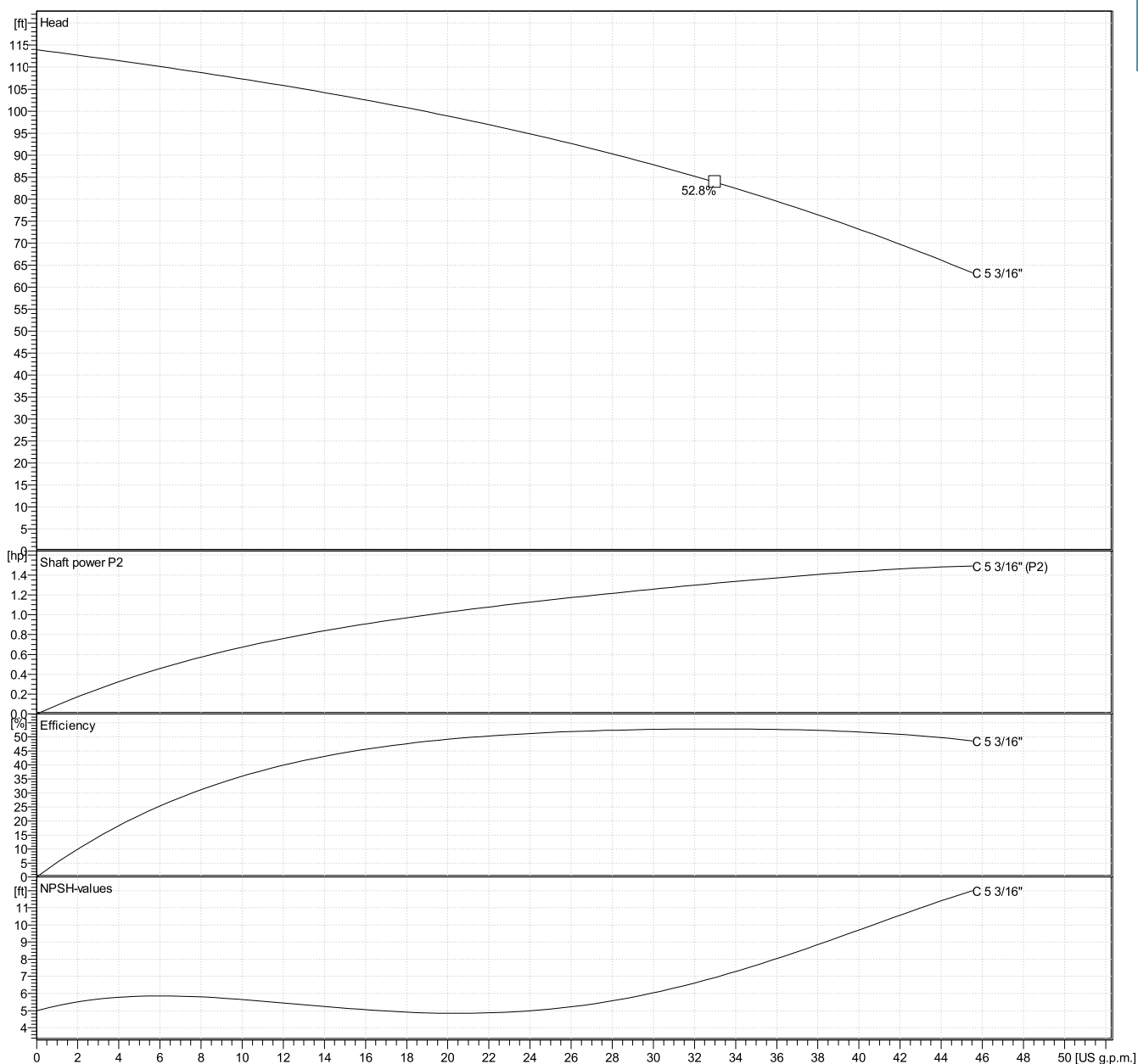
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.	Flow		Impeller R	5 ³ / ₁₆ "
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/ft³; 1.69E-5ft²/s

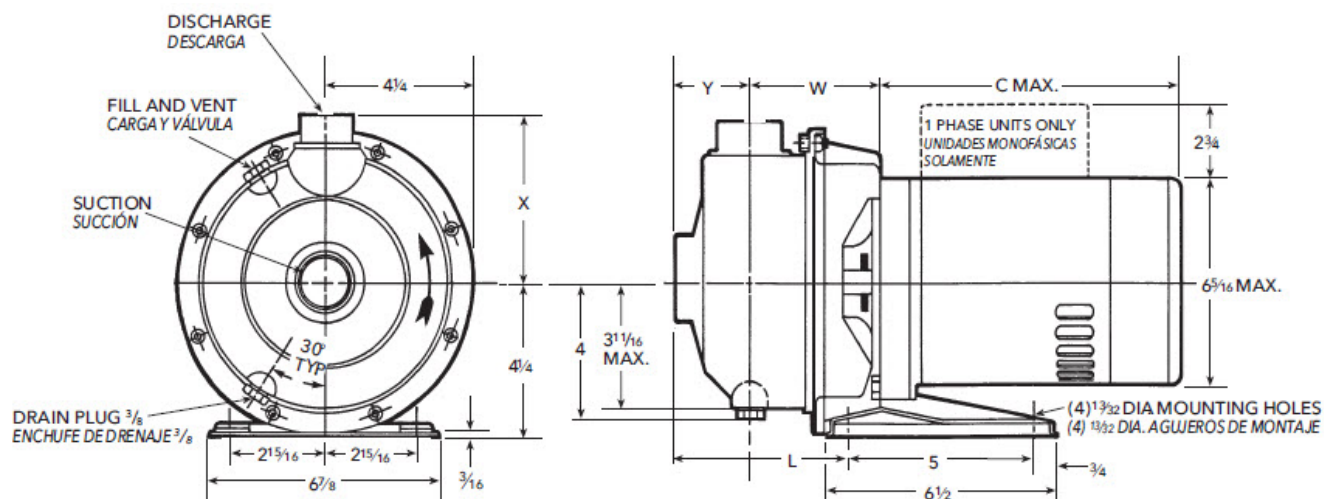
Performance according to ISO 9906 - Annex A



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Drawing



Dimensions inch

C. Max	$11\frac{1}{16}$					Weight On demand [Ⓟ]
Discharge	1					
L	$4\frac{9}{16}$					
Suction	$1\frac{1}{4}$					
W	$3\frac{5}{16}$					
X	$4\frac{3}{8}$					
Y	2					