GOULDS WATER TECHNOLOGY
a xylem brand

Customer	Date 27.04.2020
Contact	Project
Phone number	Project no.
Email	

Technical Data

2ED51C3DA

Operating data

Pump type			Effluent	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.	79.6
No. of stages			1		Min-	US g.p.m.	
Max. casing pressure		psi			Nominal	ft	
Max. working pressure		psi	19.9	Head	at Qmax	ft	9
Head H(Q=0)		ft	46		at Qmin	ft	45.9
Weight		lb	On demand	Shaft power		hp	( )
	Max.	inch	5 1/2	Max. shaft power		hp	.7
Impeller R	designed	inch	3 9/16	Efficiency		%	
	Min.	inch	3 9/16	NPSH 3%		ft	

Shaft Seal

2ED	Effluent
2ED Mechanical Seal	
1 - Rotating (Upper)	Carbon
2 - Stationary (Upper)	Ceramic
3 - Elastomers (Upper)	BUNA
4 - Metal Components (Upper)	Stainless Steel
5 - Rotating (Lower)	Silicon Carbide
6 - Stationary (Lower)	Silicon Carbide
7 - Elastomers (Lower)	BUNA
8 - Metal Components (Lower)	Stainless Steel

Motor data

Manufacturer	Regal Beloit	Electric voltage	230 V	Speed	3500 rpm	Insulation class	B
Specific design	3ph	Electric current	3.3 A	Frame size	48	Colour	RAL 5010
Type	119-49 41 (0.5HP/230/460V)						
Rated power	0.5 hp	Degree of protection	IP 55				

Remarks:

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Construction Data

Pump Materials

100 - Casing	Cast Iron
101 - Impeller	Cast Iron
112A - Lower Ball Bearing	Steel
112B - Upper Ball Bearing	Steel
184 - Seal Housing	Cast Iron
218 - Insulating Oil	Turbine Oil - ASTM150
246 - Seal Sensor – Plug and Rod	Nylon/Brass
304 - Impeller Locknut - All	AISI 300 SS
338 - Motor	Stainless Steel Shaft
340 - Bearing Housing	Cast Iron
341 - Motor Cover	Cast Iron
351 - Casing Gasket	Composite
358 - Plug – Seal Housing ¼" NPT	AISI 300 SS
358E - Plug – Motor Cover 3⁄8" NPT	AISI 300 SS
361 - Retaining Ring	AISI 300 SS
361D - Seal Retainer	AISI 300 SS
372D - Hex Cap Screw – Housing to Casing	AISI 300 SS
376 - Capacitor (1 Phase Only) – Start	–
412M - O-ring – Motor Cover	BUNA-N, AS 568A-166
412P - O-ring – Seal/Bearing Housing	BUNA-N, AS 568A-163
457 - Wire Nut	Special Nylon Housing

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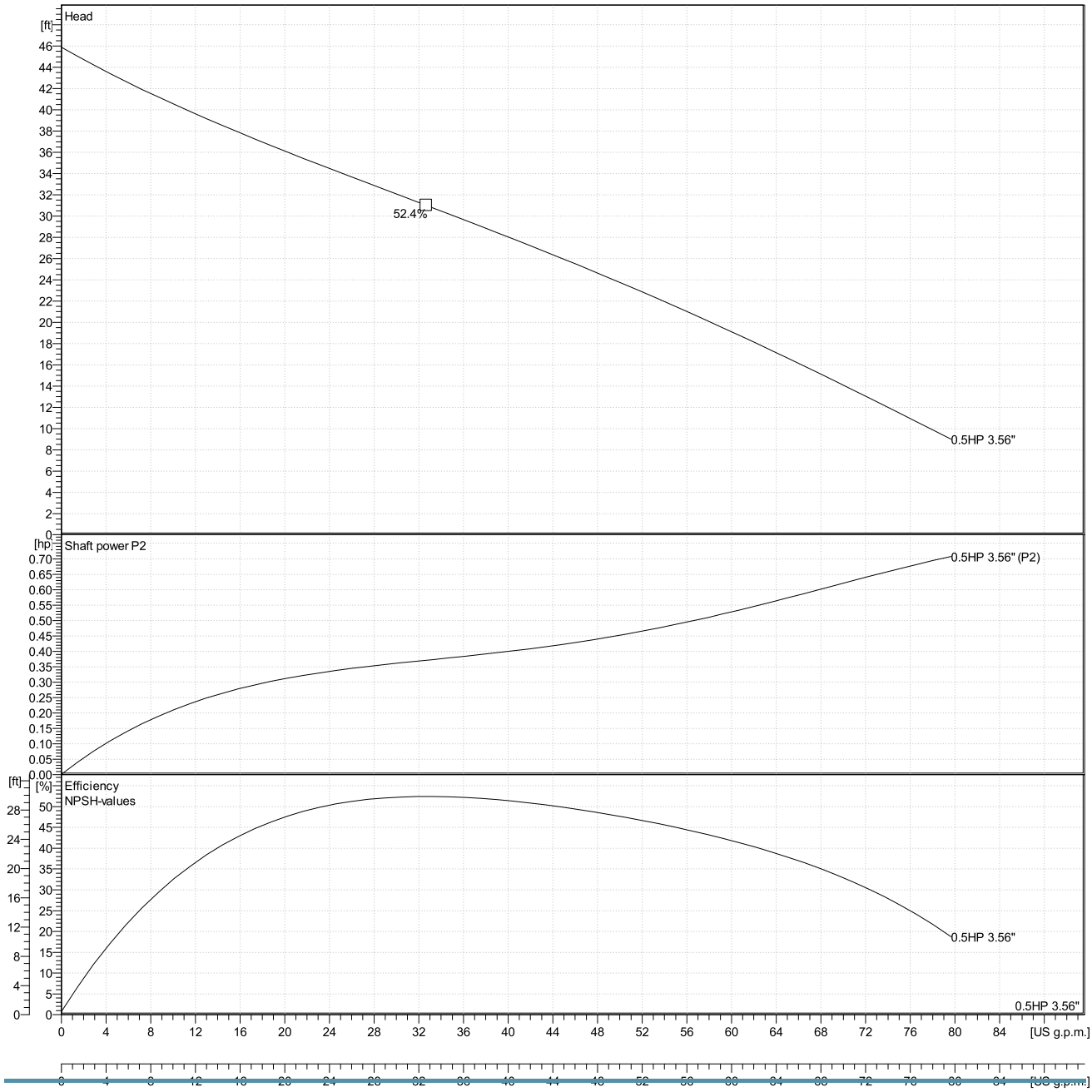
Tender Hydraulic

Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 US g.p.m.			Impeller R	$3^{9}/_{16}$"
Head	0 ft	Flow		Frequency	60 Hz
Static head	0 ft	Head		Speed	3500 rpm

Power datas referced to:
Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
Performance according to ISO 9906 - Annex A



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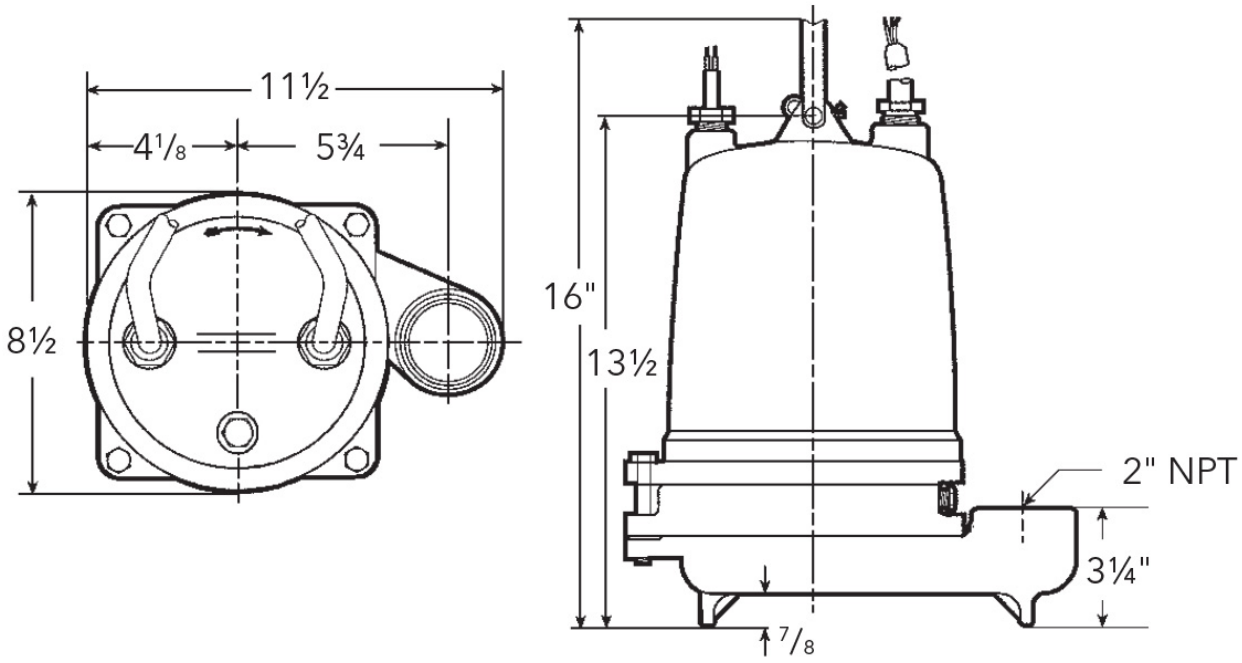
Drawing



Dimensions inch

Discharge	2					Weight On demand lb