

01SH06K6

Technical data

Company Name  
Contact  
Phone number  
E-Mail address

Operating data

1	Pumpe type	Single head pump	Fluid	Water
2	No. of pumps	1	Operating temperature t A	°F 39.2
3	Nominal flow	US g.p.m. 99.99	pH-value at t A	7
4	Nominal head	ft 108	Density at t A	lb/ft³ 62.4
5	Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
6	Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
7	Environmental temperature	°F 68	Content of solid%	Solid size inch 0 0
8	Available system NPSH	ft 0	Altitude	ft 0

Pump data

9	Design	Highly efficient stainless steel end suction pumps		
10	Execution	Rotation: 12 oClock [STD]		
11	Operating speed	rpm 3500	Impeller Ø	Max. inch 6 1/16
12	Group	S		designed inch 6 1/16
13	Suction flange	NPS 2 / CL150 / ASME B16.5 (e-SH)		Min. inch 4 15/16
14	Discharge flange	NPS 1 / CL150 / ASME B16.5 (e-SH)	Flow	Nominal US g.p.m. 100.8
15	Max. casing pressure	psi		Max- US g.p.m. 140
16	Max. working pressure	psi 60.7	Head	Min- US g.p.m. 40
17	Impeller type	Radial impeller		Nominal ft 109.8
18	Head H(Q=0)	ft 140		at Qmax ft 74.5
19	Max. shaft power	hp 5.3	Shaft power	at Qmin ft 139
20	Pump weight	lb 56.0		hp 4.8
21	Total weight	lb On demand	Efficiency	% 58.18
			NPSH 3%	ft 10.2

Materials

Pump		Shaft Seal	
23	Casing	Stainless steel 316L	John Crane Elastomer Bellows Shaft Seal
24	Impeller	Stainless steel 316L	Type 21
25	Wear Ring	Stainless steel 316L	Seal faces Carbon [STD]
26	Adapter	Gray cast iron class 20B	Stationary ring Silicon Carbide
27	Ball bearing (outboard)	Steel	Elastomers FKM
28	Pump shaft	Steel grade 1213	Springs Stainless steel CF8M (316)
29	Deflector	Buna-N	Other metal parts Stainless steel CF8M (316)
30	Shaft Sleeve	Stainless steel CF8M (316)	
31	Bearing Cover	Gray cast iron class 20B	
32	Ball bearing (inboard)	Steel	
33	Impeller Key	Steel	
34	Seal Housing	Stainless steel 316L	
35	Impeller Washer	Stainless steel CF8M	
36	Bearing Frame	Gray cast iron class 20B	
37	Lip Seal	Not available	
38	V-Ring	Buna-N	
39	Casing bolt with nut (casing to adapter)	Stainless Steel	
40	Retaining ring	Steel	
41			

Motor data

42	Manufacturer	Baldor		
43	Specific design	NEMA 3 ph TEPE [STD]		
44	Type	Frame 184JM - 5 hp		
45	Rated power	5 hp	Item no.	
46	Nominal speed	3600 rpm	Service factor	1.15
47	Frame size	184JM	Electric voltage	460 V
48	Weight	lb 74.0		

Base plate

49	Name	Remarks		
50	Weight	lb		

Project	Project ID	Created by	Created on	Last update
	Intellitronic X-20108950	kelly kresa	10-12-23	10-12-23

# 01SH06K6

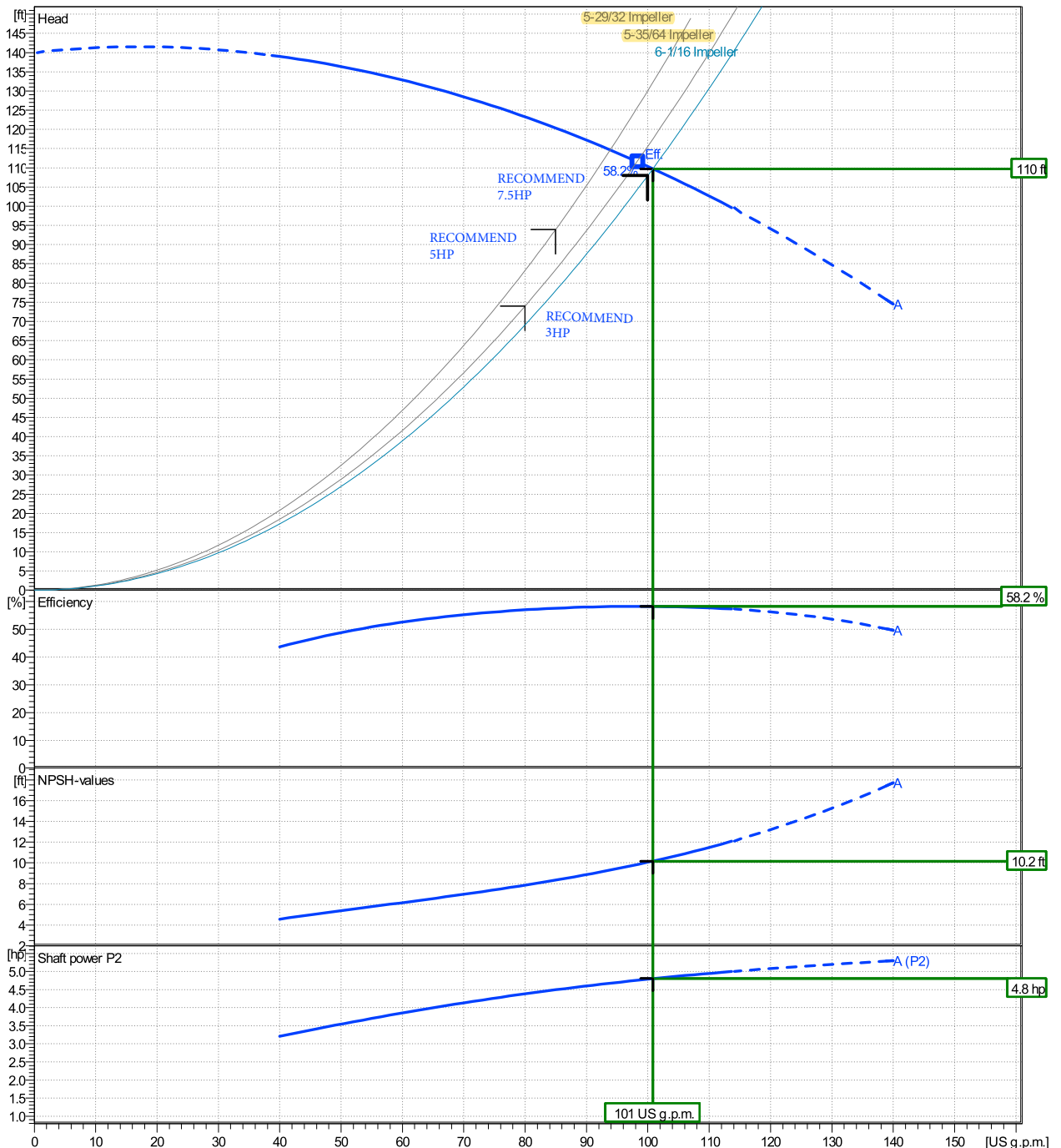
## Performance Curve

Company Name  
Contact  
Phone number  
E-Mail address

	Ø inch	Delivered Flow			Lift Capability		Shaft Power P2			Frequency		Hz	60
		Application Range Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed rpm	Nominal flow US g.p.m.		
Is	6.062	40	114	98.4	140	112		5.3	4.76	Nominal head	ft	108	
Min.	4.953	/	/	55.3	82	65.5		/	1.79	Inlet pressure	psi	0	
Max.	6.062	/	/	98.4	140	112		/	4.76	Static head	ft	0	

**Power data referred to:**

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s



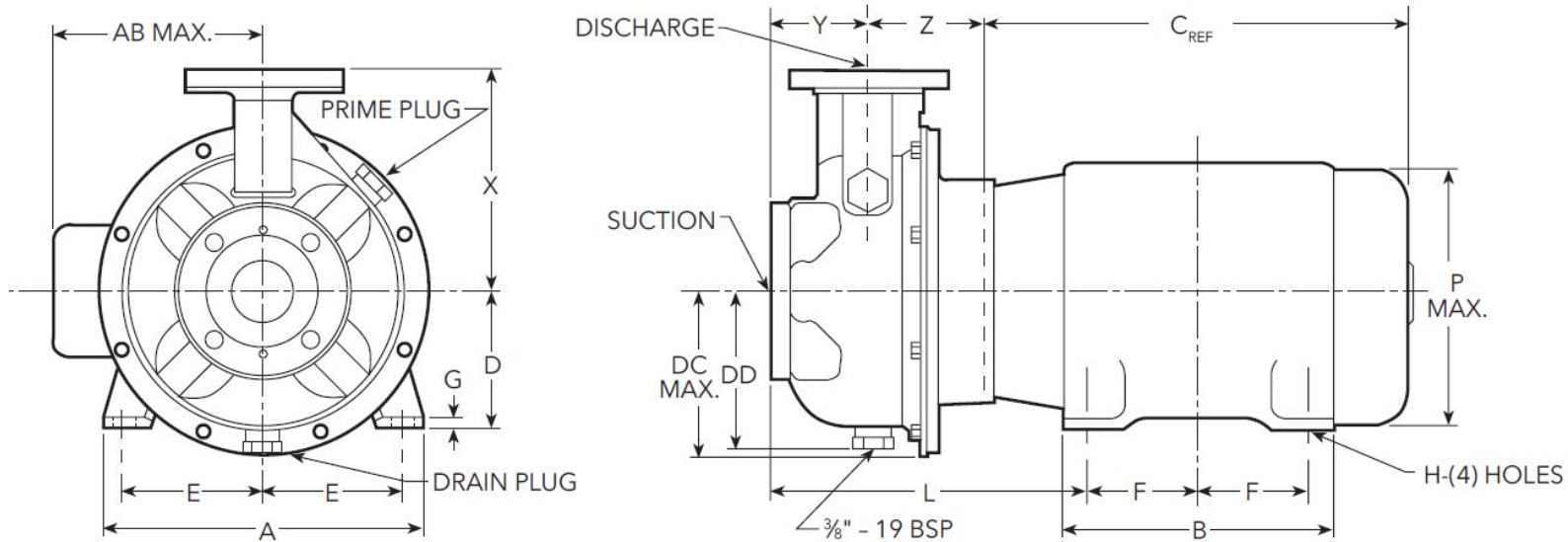
Project	Project ID Intellitronic X-20108950	Created by kelly kresa	Created on 10-12-23	Last update 10-12-23
---------	--	---------------------------	------------------------	-------------------------

## Dimensions

Company Name  
Contact  
Phone number  
E-Mail address

**01SH06K6**

Close coupled  
Rotation: 12 oClock [STD]  
NEMA 3 ph TEPE [STD]Frame 184JM - 5 hp



Dimensions		[ inch ]	
A	8 <sup>5</sup> / <sub>8</sub>		
ABmax	7 <sup>1</sup> / <sub>2</sub>		
B	6 <sup>1</sup> / <sub>2</sub>		
Cref	17 <sup>5</sup> / <sub>8</sub>		
D	4 <sup>1</sup> / <sub>2</sub>		
DCmax	5		
DD	4 <sup>3</sup> / <sub>4</sub>		
E	3 <sup>3</sup> / <sub>4</sub>		
F	2 <sup>3</sup> / <sub>4</sub>		
G	3 <sup>3</sup> / <sub>8</sub>		
H	7 <sup>1</sup> / <sub>16</sub>		
L	9 <sup>7</sup> / <sub>8</sub>		
Pmax	9 <sup>9</sup> / <sub>16</sub>		
X	6 <sup>3</sup> / <sub>8</sub>		
Y	3 <sup>1</sup> / <sub>8</sub>		
Z	3 <sup>7</sup> / <sub>8</sub>		

Connections	
<b>Suction flange</b>	<b>Discharge flange</b>
NPS 2	NPS 1
CL150	CL150
ASME B16.5 (e-SH)	ASME B16.5 (e-SH)
Weight (+/- 5%)	
<b>Pump</b>	56 lb
<b>Base plate</b>	
<b>Motor</b>	74 lb
<b>Total weight</b>	On demand lb

**Dimensions and weight without obligation**

Project	Project ID Intellitronic X-20108950	Created by kelly kresa	Created on 10-12-23	Last update 10-12-23
---------	--	---------------------------	------------------------	-------------------------