

e-XC20x24x23.5/900H6D6WNTPA2DC1G

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. 0	pH-value at t A	7
4	Nominal head	ft 0	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	Double Suction Split Case Pumps		
10	Execution	Clockwise Rotation - viewed from motor end [STD]		
11	Operating speed	rpm 1180	Impeller Ø	Max. inch 23.819
12	No. of stages	1		designed inch 23.819
13	Suction flange	NPS 24 / CL250 / ASME B16.1 (e-XC)		Min. inch 20.276
14	Discharge flange	NPS 20 / CL250 / ASME B16.1 (e-XC)	Flow	Nominal US g.p.m.
15	Max. casing pressure	psi 175		Max- US g.p.m. 18071.1
16	Max. working pressure	psi 121.7		Min- US g.p.m. 3565
17	Impeller type	Radial impeller	Head	Nominal ft
18	Head H(Q=0)	ft 280		at Qmax ft 147.1
19	Max. shaft power	hp 856		at Qmin ft 274.5
20	Pump weight	lb 6,757.9	Shaft power	hp
21	Total weight	lb 16,368.6	Efficiency	%
			NPSH 3%	ft

Materials

22		Pump	Shaft Seal
23	Casings	Ductile Iron	Xylem Metal pusher type seal
24	Impeller	Stainless steel CF8 (304) [STD]	MR3 - Seal on sleeve (ID 95/4,75 in)
25	Shaft Construction	Dry (sleeves) [STD]	Mechanical seal diameter inch 4.750
26	Shaft	40cR (5140-carbon steel)	Seal faces Carbon [STD]
27	Shaft Sleeves	Stainless steel CF8 (304) [STD]	Stationary ring Silicon Carbide
28	Shaft Sleeve Nuts	Stainless steel CF8 (304) [STD]	Elastomers EPDM [STD]
29	Casing Wear Ring	Bronze [STD]	Springs Stainless steel CF8M (316)
30	Impeller Wear Ring	Stainless steel CF8 (304) [STD]	Other metal parts Stainless steel CF8M (316)
31	Lantern Ring	Polytetrafluoroethylene (PTFE)	
32	Seal flush lines	Stainless steel CF8 (304) [STD]	
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Motor data

42	Manufacturer	US Motors		Coupling	Manufacturer	TB Woods Dura-Flex - NON Spacer [STD]	
43	Specific design	NEMA 3 ph TEPE			Type	WE80	
44	Type	Frame 5812 - 900 hp - SF 1			Frame size	WE80	
45	Rated power	900 hp	Item no.	P0001291	Spacer length	inch 1/2	
46	Nominal speed	1180 rpm	Service factor	1	Weight	lb 242.0	
47	Frame size	5812	Electric voltage	460 V	Coupling guard	Coupling Guard KIT-4 68.60 lb	
48	Weight	lb 9,300.0	Shaft diameter	3 3/8 inch	Coupling Guard Material	Painted carbon steel	

Base plate

49	Name	consult factory		Remarks
50	Weight	lb 0.0		

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Performance Curve

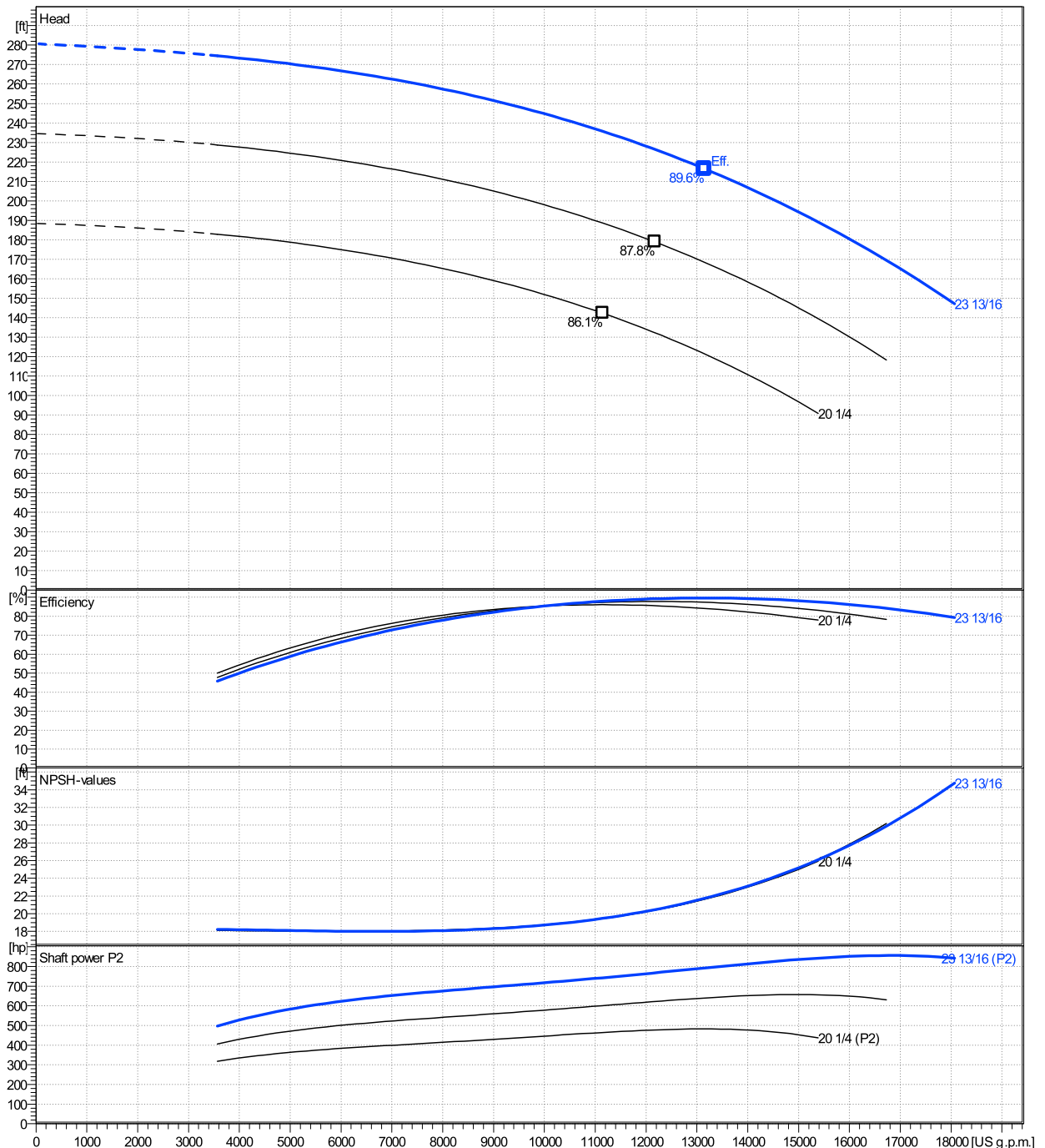
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	Ø inch	Delivered Flow Application Range			Lift Capability		Shaft Power P2			Frequency		Hz
		Min. US g.p.m.	Max. US g.p.m.	Max. η US g.p.m.	H(Q=0) ft	Max. η ft	P2(Q=0) hp	Max. hp	Max. η hp	Operating speed rpm	Nominal flow US g.p.m.	
Is	23.819	3570	18100	13100	281	217		856	792			60
Min.	20.276	/	/	11100	188	142	/	/	465			1180
Max.	23.819	/	/	13100	281	217	/	/	792			0
										Nominal head	ft	0
										Inlet pressure	psi	0
										Static head	ft	0

Power data referred to:

Hydr. performance acceptance acc. to EN ISO 9906 Class 2B

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



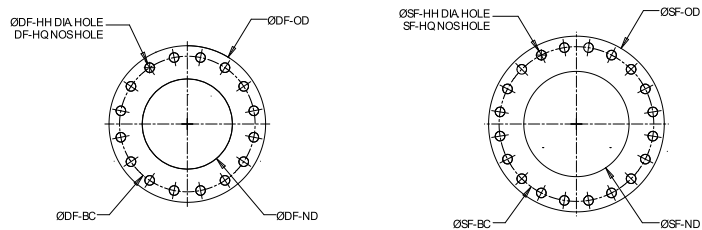
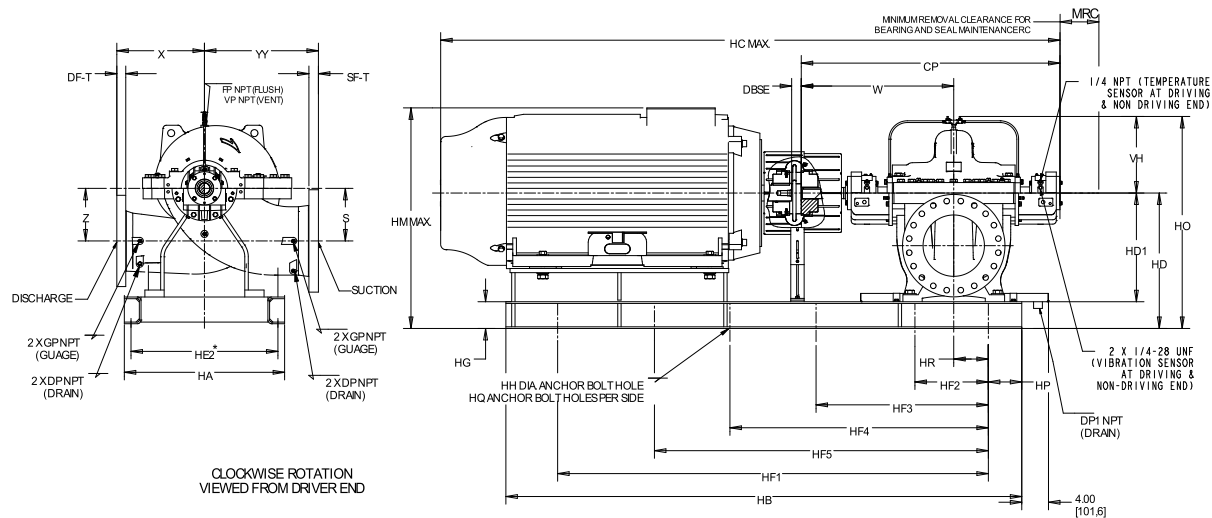
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Dimensions

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Complete Unit with Baseplate
Clockwise Rotation - viewed from motor end [STD]
NEMA 3 ph TEPE Frame 5812 - 900 hp - SF 1



NOTE: consult factory for any missing dimension (N.A.)

Dimensions [inch]			
Anchor	N.A.	HM Max	N.A.
CP	67 ⁷ / ₈	HO	N.A.
DBSE	1 ¹ / ₂	HP	N.A.
DF-BC	27	HR	N.A.
DF-HH	1 ³ / ₈	MRC	
DF-HQ	24x	S	20 ¹ / ₂
DF-ND	20	SF-BC	32
DF-OD	30 ¹ / ₂	SF-HH	1 ⁵ / ₈
DF-T	2 ¹ / ₂	SF-HQ	24x
DP	1/2 NPT	SF-ND	24
FP	1/2 NPT	SF-OD	36
GP	1/2 NPT	SF-T	2 ³ / ₄
HA	N.A.	VH	25 ⁹ / ₁₆
HB	N.A.	VP	1/2 NPT
HC Max	155 ¹ / ₃₂	W	37 ¹ / ₂
HD	N.A.	X	29 ¹ / ₂
HD1	38 ³ / ₁₆	YY	39 ³ / ₈
HE2	N.A.	Z	20 ¹ / ₂
HF1	N.A.		
HF2	N.A.		
HF3	N.A.		
HF4	N.A.		
HF5	N.A.		
HG	N.A.		
HH	N.A.		

Connections	
Suction flange	Discharge flange
NPS 24	NPS 20
CL250	CL250
ASME B16.1 (e-XC)	ASME B16.1 (e-XC)
Weight (+/- 5%)	
Pump	6,758 lb
Coupling	242 lb
Coupling Guard	69 lb
Base plate	0 lb
Motor	9,300 lb
Total weight	16,369 lb

Dimensions and weight without obligation

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