

e-XC6x8x17/01505C4WNTPA1CC1G

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single pumps as parallel circuit		Fluid	Water, pure	
2	No. of pumps		3	Operating temperature t A	°C	4
3	Nominal flow	m³/h	900	pH-value at t A		7
4	Nominal head	m	65	Density at t A	kg/m³	1000
5	Static head	m	6	Kin. viscosity at t A	mm²/s	1.569
6	Inlet pressure	kPa	0	Vapor pressure at t A	kPa	100
7	Environmental temperature	°C	20	Content of solid%	Solid size	mm 0 17.018
8	Available system NPSH	m	0	Altitude	m	0

Pump data

9	Design	Double Suction Split Case Pumps				
10	Execution	Clockwise Rotation - viewed from motor end [STD]				
11	Operating speed	rpm	1450	Impeller Ø	Max.	mm 440.004
12	Number of stages		1		designed	mm 440.004
13	Suction nozzle		NPS 8 / CL125 / ASME B16.1 (e-XC)		Min.	mm 234.010
14	Discharge nozzle		NPS 6 / CL125 / ASME B16.1 (e-XC)	Flow	Nominal	m³/h 855.3
15	Max. casing pressure	kPa	1210		Max-	m³/h 724.5
16	Max. working pressure	kPa	655.4		Min-	m³/h 120.1
17	Impeller type		Radial impeller	Head	Nominal	m 59.3
18	Head H(Q=0)	m	67		at Qmax	m 40.8
19	Max. shaft power	kW	205.4		at Qmin	m 66.1
20	Pump weight	kg	633.7	Shaft power	kW	161.4
21	Total weight	kg	1,666.8	Efficiency	%	84.77
				NPSH 3%	m	3.5

Materials

22		Pump		Shaft Seal	
23	Casings	Cast Iron [STD]		Xylem	Rubber below seal [STD]
24	Impeller	Stainless steel CF8 (304) [STD]		MR4 - Seal on sleeve (ID 55/3,125 in)	
25	Shaft Construction	Dry (sleeves) [STD]		Mechanical seal diameter	mm 79.375
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	Factory choice			Manufacturer	TB Woods Dura-Flex - NON Spacer [STD]	
43	Specific design	NEMA 3 ph TEPE			Type	WE40	
44	Type	Frame 445T - 150 hp			Frame size	WE40	
45	Rated power	111.85 kW	Item no.	Y-MTR170	Spacer length	mm	12.7
46	Nominal speed	1450 rpm	Service factor	1.15	Weight	kg	20.6
47	Frame size	445T	Electric voltage	380 V	Coupling guard	Coupling Guard KIT-3 18.64 kg	
48	Weight	kg 864.1	Shaft diameter	85.725 mm	Coupling Guard Material	Painted carbon steel	

Base plate

49	Name	6x8x17 / 445T		Remarks	
50	Weight	kg	129.8		

Project	Project ID	Created by	Created on	Last update
			06-13-22	06-13-22

Performance Curve

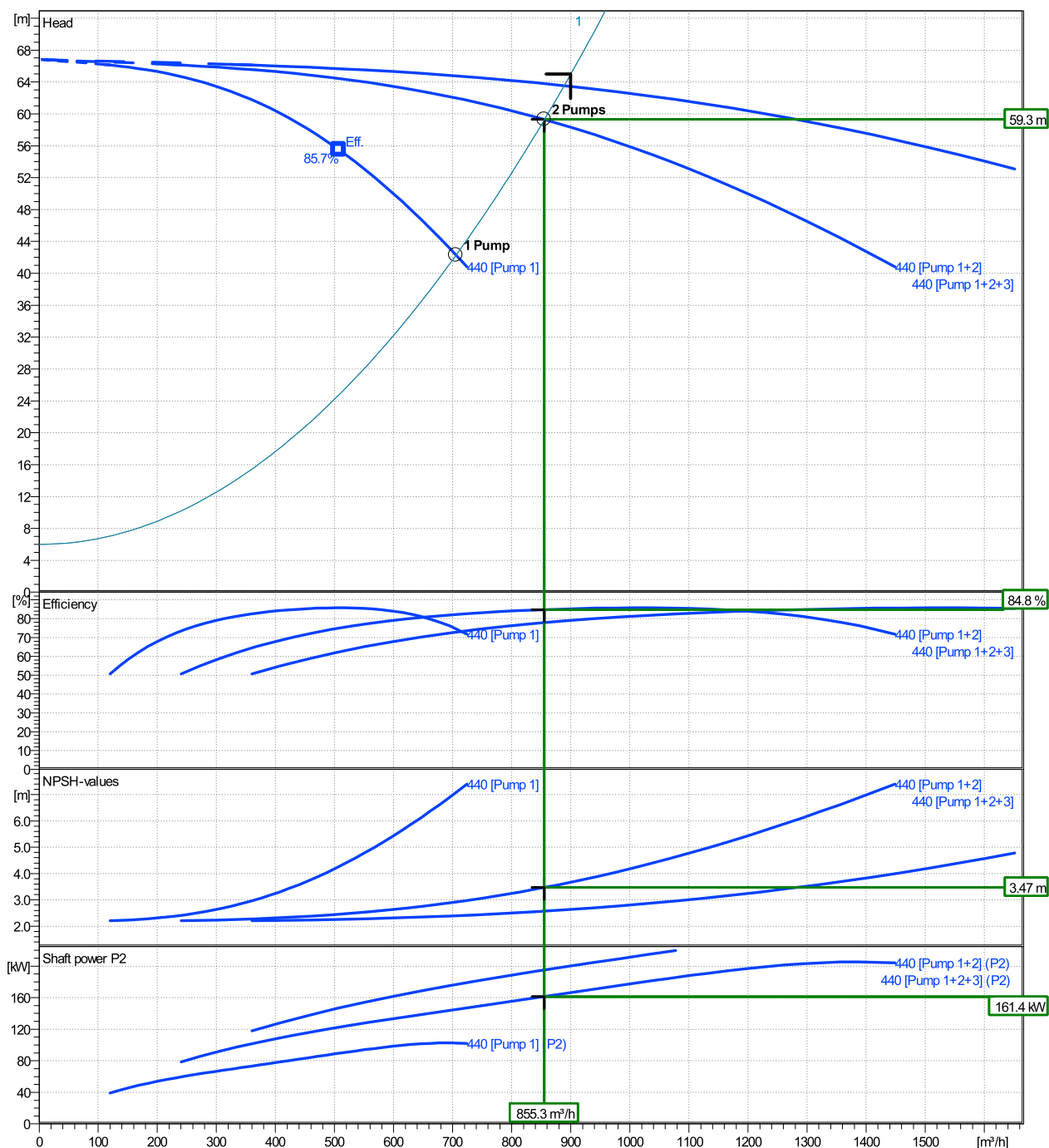
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	Ø	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range		η Max. m³/h	H (Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	1450
	Min. m³/h	Max. m³/h	Nominal flow									
actual	17.323	120	725	507	66.8	55.5		205	89.5	Nominal head	m	65
Min.	9.213	/	/	253	19	14.9		/	14.2	Inlet pressure	kPa	0
Max.	17.323	/	/	507	66.8	55.5		/	89.5	Static head	m	6

Power datas referred to:

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

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s



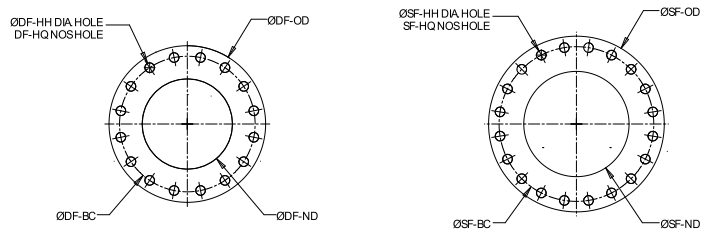
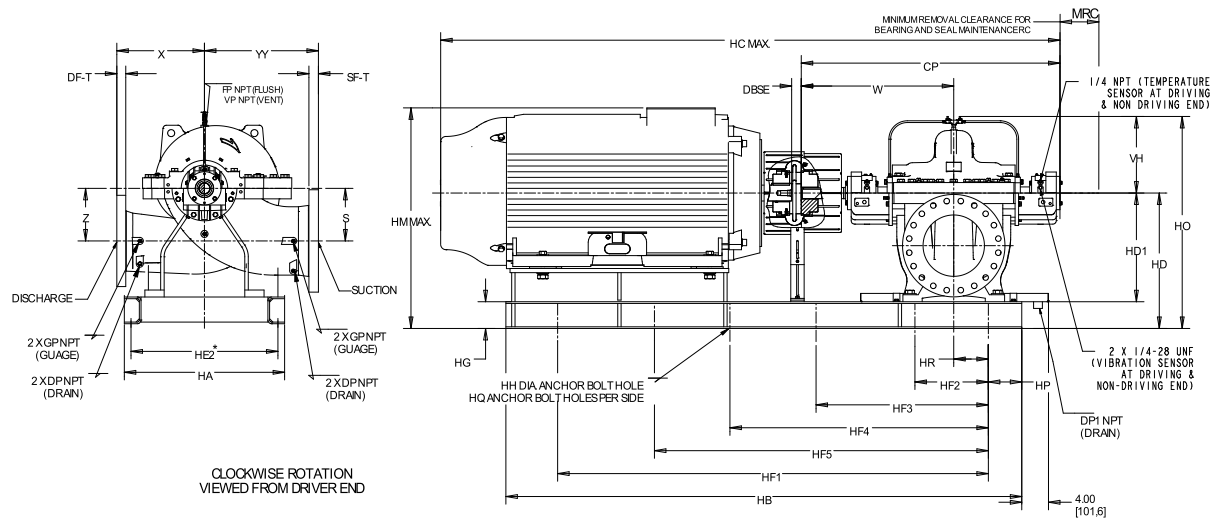
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Dimensions

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Complete Unit with Baseplate
Clockwise Rotation - viewed from motor end [STD]
NEMA 3 ph TEPE Frame 445T - 150 hp



Dimensions [mm]			
CP	1235	HO	902.6
DBSE	12.7	HP	127
DF-BC	241.3	HQ	8x
DF-HH	22.225	HR	139.7
DF-HQ	8x	MRC	88.9
DF-ND	152.4	S	230
DF-OD	279.4	SF-BC	298.45
DF-T	25.4	SF-HH	22.225
DP	1/2 NPT	SF-HQ	8x
FP	1/2 NPT	SF-ND	203.2
GP	1/2 NPT	SF-OD	342.9
HA	609.6	SF-T	28.575
HB	2032	VH	351
HC Max	2394.7	VP	1/2 NPT
HD	551.6	W	678
HD1	450	X	450
HE2	558.8	YY	500
HF1	1778	Z	230
HF2	591.82		
HF3	1186.2		
HF4	N.A.		
HF5	N.A.		
HG	101.6		
HH	25.4		
HM Max	N.A.		

Connections	
Suction nozzle	Discharge nozzle
NPS 8	NPS 6
CL125	CL125
ASME B16.1 (e-XC)	ASME B16.1 (e-XC)
Weight	(+/- 5%)
Pump	634 kg
Coupling	21 kg
Coupling Guard	19 kg
Base plate	130 kg
Motor	864 kg
Total weight	1,667 kg

Dimensions and weight without obligation

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