

TURNER

THSS Boiler filling & Pre-test Test pump



Turner Hydraulic Site Services Ltd (T/A Turner Site Services),
Station Yard, Magor, Caldicot, NP26 3HT
Telephone: 01633 881966 Fax: 01633 889385

Reg. England & Wales No: 06765556. VAT Registration No: GB 942 908111



22SV17F185T

Company		Xylem Water Solutions UK		Customer		Date		2014-12-16	
Contact				Contact		Item no.		1016L1771	
Phone number				Phone number		Project			
Email				Email		Project no.			
Operating data									
1	Pumpe type	Single head pump			Fluid			Water, pure	
2	No. of pumps / Reserve	1 / 0			Operating temperature t A			°C 4	
3	Nominal flow	m³/h 0			pH-value at t A			7	
4	Nominal head	m 0			Density at t A			kg/m³ 1000	
5	Static head	m 0			Kin. viscosity at t A			mm²/s 1.589	
6	Inlet pressure	bar 0.098			Vapor pressure at t A			bar 0.0234	
7	Environmental temperature	°C 4			Solids			0	
8	Available system NPSH	m 0			Altitude			m 1000	
Pump data									
9	Pump designation	22SV17F185T							
10	Design	Electrical surface pump			Impeller Ø	Max.	mm	108	
11	Make	Lowara				designed	mm	108	
12	Speed	1/min 2900				Min.	mm	108	
13	Number of stages	17			Flow	Nominal	m³/h	()	
14	Suction nozzle	DN 50 / PN 25				Max-	m³/h	29	
15	Discharge nozzle	DN 50 / PN 25			Head	Min-	m³/h		
16	Max. casing pressure	bar				Nominal	m		
17	Max. working pressure	bar 25.8				at Qmax	m	122.3	
18	Impeller type				at Qmin	m	263.5		
19	Impeller design				Shaft power		kW ()		
20	Head H(Q=0)	m 260			Max. shaft power		kW 18.1		
21	Weight	kg 156			Efficiency		% ()		
Materials									
22	Pump				Shaft Seal				
23	Pump body	Stainless steel / AISI 304			Single seal				Roten
24	impeller	Stainless steel / AISI 304			SV - Uniten				
25	Diffuser	Stainless steel / AISI 304			Rotating Assembly			Q1-Silicon carbide	
26	Outer sleeve	Stainless steel / AISI 304			Fixed Assembly			B-Carbon	
27	Shaft	Stainless steel / AISI 304			Elastomers			E-EPDM	
28	Adapter	Cast iron			Springs			G-AISI 316	
29	Base	Aluminium			Other Components			G-AISI 316	
30	Coupling	Aluminium							
31	Seal plate	Stainless steel / AISI 304							
32	Elastomers	EPDM							
33	Coupling protection	Stainless steel / AISI 304							
34	Shaft sleeve and bushing	Tungsten carbide							
35	Fill / drain plugs	Stainless steel / AISI 304							
37	Tie rods	Stainless steel							
36	Wear ring	Technopolymer PPS							
38									
Motor data					Coupling				
39	Manufacturer	Lowara		Electric voltage	400 V		Manufacturer		
40	Specific design	3 phase IE2 motors (high efficiency)			Series				
41	Type	PLM180B5/3185		Electric current	33.2 A		Type		
42	Rated power	18.5 kW		Degree of protection	IP 55		Frame size		
43	Speed	2955 1/min		Insulation class	F		Spacer length mm		
44	Frame size	160		Color	RAL 5010		Weight kg		
45	Weight	0 kg		Coupling protection			Materials :		
Base plate					Remarks:				
46	Description								
47	Weight	kg							

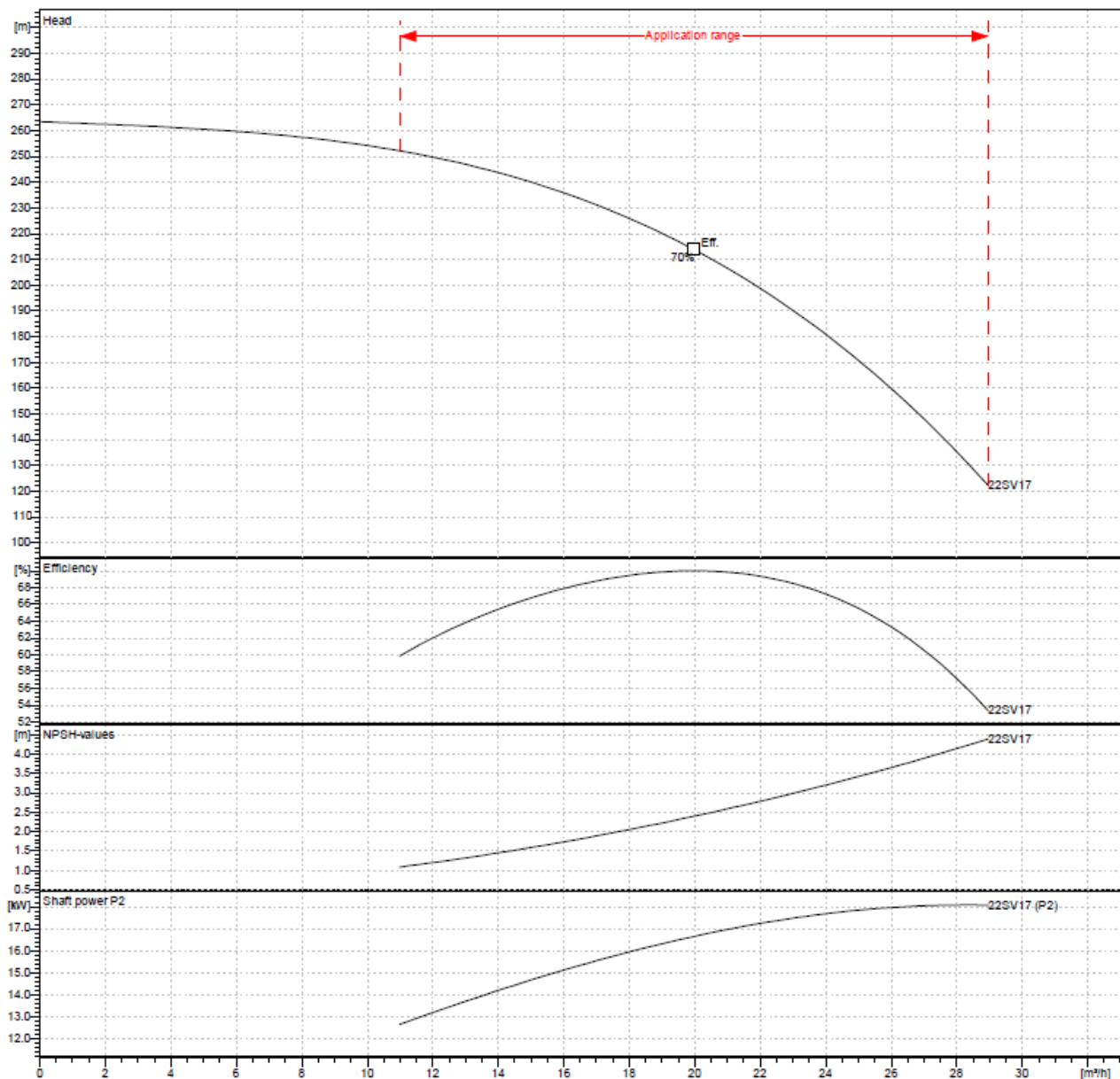
Turner Hydraulic Site Services Ltd (T/A Turner Site Services),
 Station Yard, Magor, Caldicot, NP26 3HT
 Telephone: 01633 881966 Fax: 01633 889385



22SV17F185T

Company Contact Phone number Email	Xylem Water Solutions UK	Customer Contact Phone number Email	Date Item no. Project Project no.	2014-12-18 1018L1771
Operating Data Specification		Hydraulic data (duty point)	Impeller design	
Flow	0 m ³ /h	Flow	Impeller Ø	108 mm
Head	0 m	Head	Frequency	50 Hz
Static head	0 m	MEI >=0,7	Speed	2955 1/min

Power data referred to:
 Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
 Performance according to ISO 9906 - Annex A



Turner Hydraulic Site Services Ltd (T/A Turner Site Services),
 Station Yard, Magor, Caldicot, NP26 3HT
 Telephone: 01633 881966 Fax: 01633 889385

Reg. England & Wales No: 06765556. VAT Registration No: GB 942 908111

TURNER

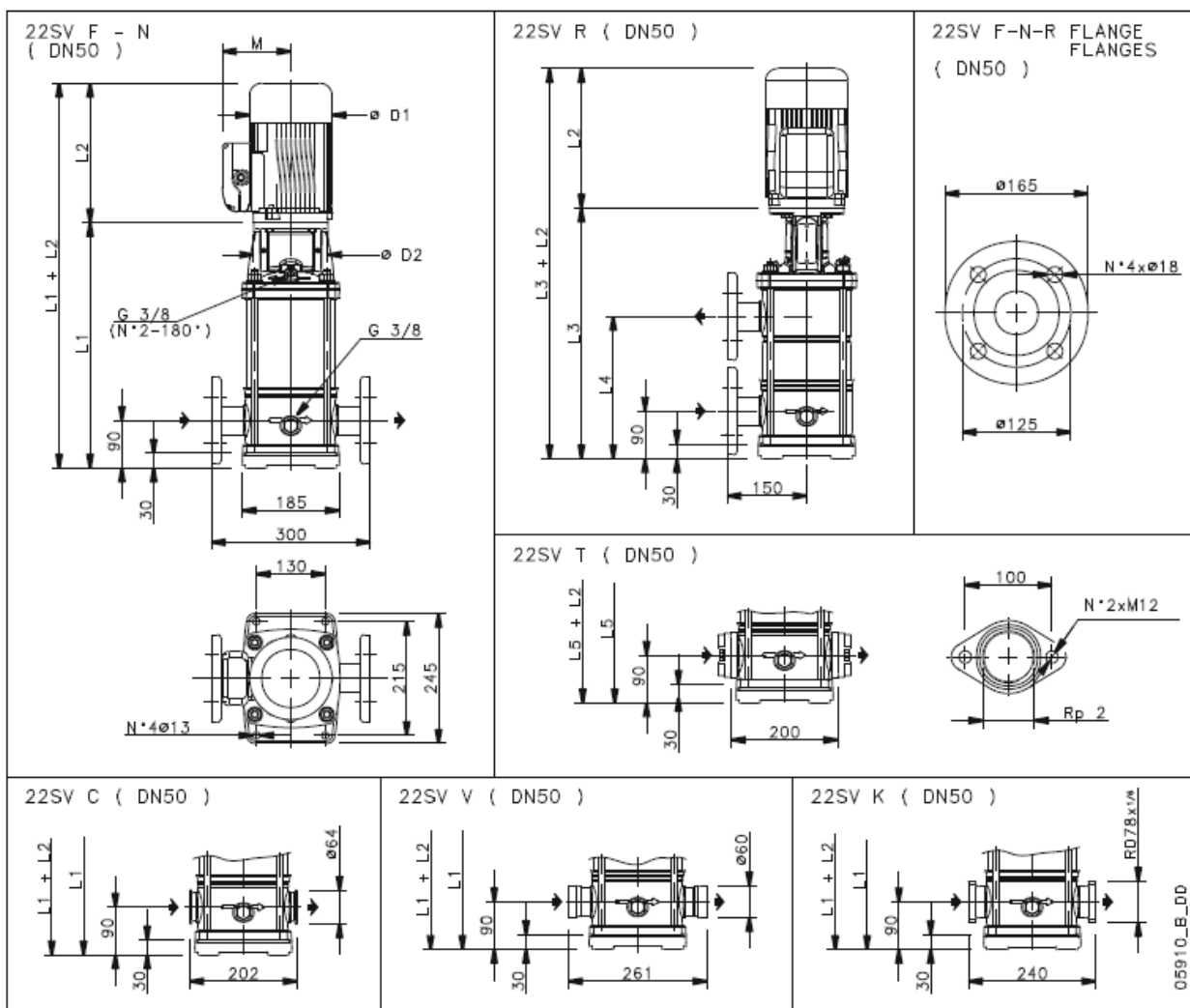
22SV17F185T

Company	Xylem Water Solutions UK	Customer	Date
Contact		Contact	Item no. 1016L1771
Phone number		Phone number	Project
Email		Email	Project no.

Dimensions

mm

D1	313					Suction side	
D2	350					DN 50 / PN 25	
L1	1236					Discharge side	
L2	494					DN 50 / PN 25	
L3	1236					Weight	156 kg
L4	925						
M	240						



Turner Hydraulic Site Services Ltd (T/A Turner Site Services),
 Station Yard, Magor, Caldicot, NP26 3HT
 Telephone: 01633 881966 Fax: 01633 889385

Reg. England & Wales No: 06765556. VAT Registration No: GB 942 908111