

مدیرية محطة كهرباء الدورة

١

SPECIFICATION

١

BOOSTER PUMP

TYPE : ZHN12-400

S.NO: C79098-01

Origin : Sulzer (Germany)

2

BOOSTER PUMP DESIGN AND DATA

~~ZHN 12-400~~

Type	ZHN XII - 400		Type Sheet	B 100.4 / 101.5	
Number of Stages/flows	1 / 1		Outline Drawing	9-U 4429.00 - 002 Sh. 1-3	
Temperature	°C	145,7	Sectional Drawing	1 - 52311 - 004 - X	
Specific Gravity	Mp/m ³	0,921	Direction of Rotation (viewed from Drive)	CW	
Capacity	t/h	662	Suction Nozzle SIZE	NW 300	RATING NO 25
Deaerator Operation	SLIDING PRESS.		Arrangement	AXIAL	
Diagram of Suction Side Conditions			Discharge Nozzle SIZE	NW 250	RATING NO 25
NPSH available	m	12,5	Arrangement	VERT TO BOTTOM	
NPSH required	m	4,5	Radial Bearing	Design	ANTIFRICTION
Suction Head	atü	4,33		Lubrication	CONST. LEVEL OILER
Discharge Head	atü	8,51		Cooling	-
Total Dynamic Head (TDH)	at	4,14	Axial Thrust Balance	BAL. HOLES + THRUST BRG	
Speed	U/min	1485	Shaft Sealing	PACKING	
Efficiency	%	79	Stuffing Box Cooling	Cooling Piece	YES
Power required	kW	102		Gland	YES
Pump Head/flow Curve	L 103 XII 2		Shaft Coupling II with MOTOR	Manufacturer	TACKE
				Type	SB2 90/250 ISOL
Notes: 1) NOT TO BE CONSIDERED FOR PUMP DESIGN 2) = 699 m ³ /h					

Boiler Feed Pump Unit, sheet 1