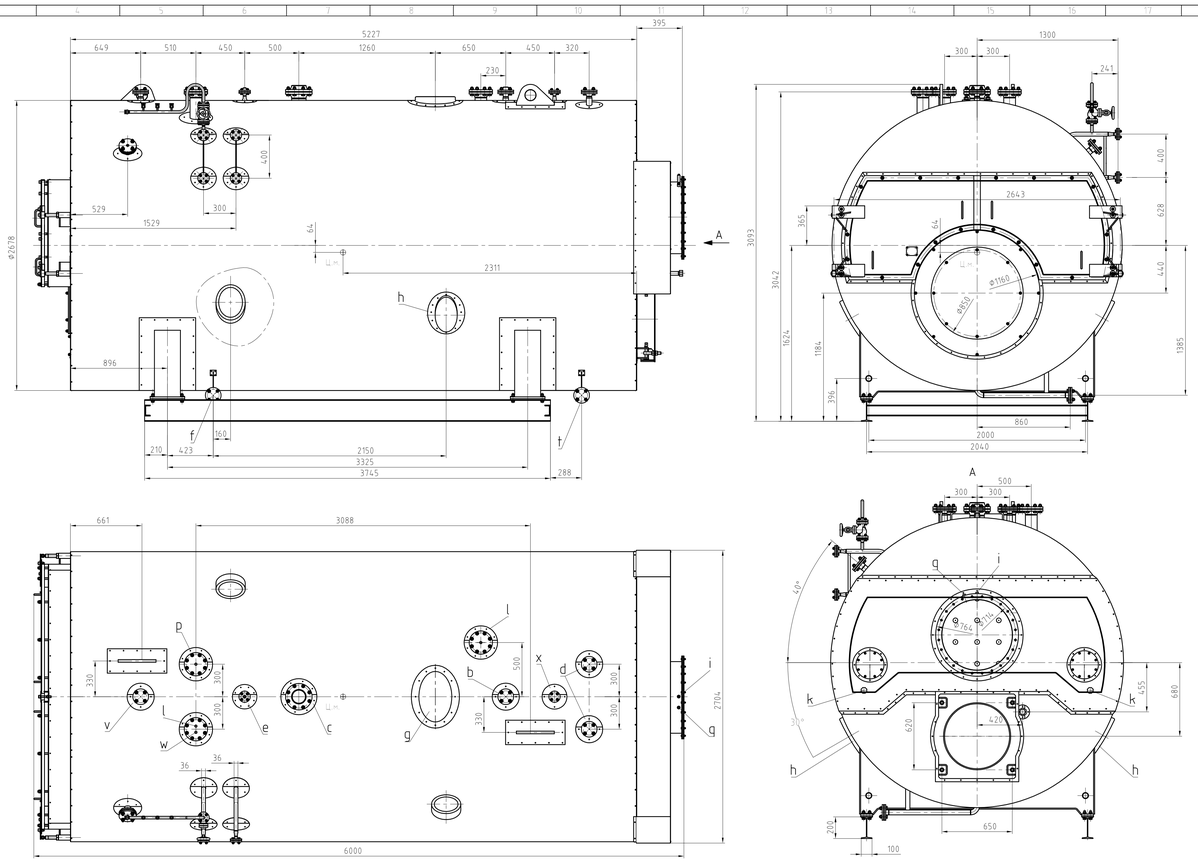

Design data

Boiler model - TT200		
Boiler type - STEAM / WET BACK		
Design EN 12953		
Description	**Unit**	**Value**
Steam capacity (nominal load):	tn / h	6,0
Steam outlet temperature	°C	+191
Feed water temperature	°C	+104
Design pressure	bar	12,4
Max. working pressure	bar	12,0
Hydro test pressure	bar	20,0
Trip pressure safety valve	bar	12,0
Boiler weight	kg	17876
Volume of water	m^3	11,7

Connection table

Desig-nation	Application	Amo-unt	Diameter (DN), mm	Pressure (PN), bar	Flanges
a	Flue gas exhaust	1	650	0,1	ISO 7005-1:2011
b	Feed water inlet	1	40	16	ISO 7005-1:2011
c	Steam outlet	1	125	16	ISO 7005-1:2011
d	Safety valve	2	40	40	ISO 7005-1:2011
e	Desalting control valve	1	20	16	ISO 7005-1:2011
f	Water drain	1	40	16	ISO 7005-1:2011
g	Sight hole	1	335x435	-	-
h	Sight hole	2	230x330	-	-
i	Gas analyzer	1	G1/2-B	-	-
k	Condensate drain	2	G1-B	-	-
o	Water level indicator	4	20	16	ISO 7005-1:2011
l	Level limiter min	2	G3/4-B	-	-
w	Level limiter max	1	G3/4-B	-	-
p	Level transducer	1	G3/4-B	-	-
m	Conductivity transducer	1	G1-B	-	-
q	Flue gas temperature sensor	1	G1/2-B	-	-
r	Pressure gauge	1	G1/2-B	-	-
s	Pressure limiter	1	G1/2-B	-	-
z	Pressure transducer	1	G1/2-B	-	-
t	Quick shut-off blow down valve	1	40	16	ISO 7005-1:2011
v	Drain air valve	1	40	16	ISO 7005-1:2011
x	Air vent	1	20	16	ISO 7005-1:2011

NOTES:

All dimensions are in mm.
The design of the boiler complies with the General safety requirements PED 2014/68/EU Annex I and the standards of the series EN 12953.

Rev	Stage	Main Number	Date	Primary CAD	Date	Project	Id	Drawing number	Drawing	Bar CODE	Weight (kg)	Scale	1:20	ENTROPIE	Page
A	Final			E1.166.000.000 gch		Steam boiler TT200 Evaporation capacity 6 t/h, 12 bar			Boiler		17876	Size	A3x3		01/01
												Part	TM		

This document is property of ENTROPIE, Munich, Germany. Multiplication or information of its contents to the third parties in any form whatever is not allowed without a written authorization by the owner.