*

/

4104600

677 4015

1 1
2 2
2.1 2
2.2 4
2.3 4
2.4 4
3 5
3.1 5
3.2 5
3.3 8
3.4 8
3.5 8
3.6 9
3.7 9
4 11
4.1 / 11
4.2 12
4.3 “ ” 13
5 16
5.1 16
5.2 16

6 19
7 20
7.1 20
7.2 20
8 22
8.1 22
8.2 22
8.3 22
9 23
9.1 23
9.2 23
9.3 25
10 26
10.1 26
10.2 26
10.3 26

1

2

3

4

5

6

7

1

2

3

2019 8

2020

2020 3 21

[2020]14

2020 12

“ ”

2020 6 2023 12

2024 1 2024 4

(1# 2# 3#)

“ ”

2024 7

2024 8

22 [2024]114 2 2024 9

2024 12 3 [2024]149

2025 2 2025 3 2025 4 21 2025 4 28

2025 3 “ ” 2025 8 11 3 91430100MA40N6301C001V 682

[2017]4 “ ” 2025 4 25 ~4 26 9 3 ~9 4

4

1 2014 4 24 2015 1 1

2 2017 6 27

2018

1 1

3

8 9 20 5 15

GB 78-1996 “

3 GB/T31962-2015

4 GB13271-2014

5 GB12348-2008

6

2019

7

GB18599-2020

1

2024 7

2

[2024]114 202

50 10 20%

50 8.5 17%

2 8 150

2024 9

		t/a	t/a	
1		60.6	60.6	
2		76.8 m^3	76.8 m^3	

3.4-1

	2	2	CWNS1.4-85/65-Y.Q	

2 1.4MW 2400h

15m^3

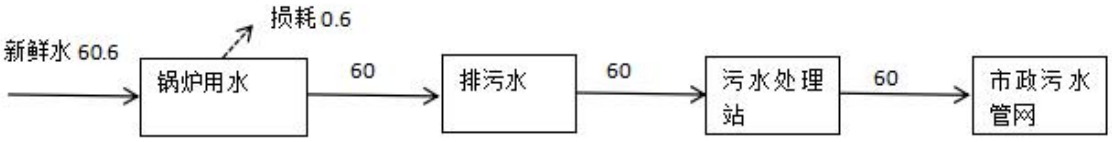
2%

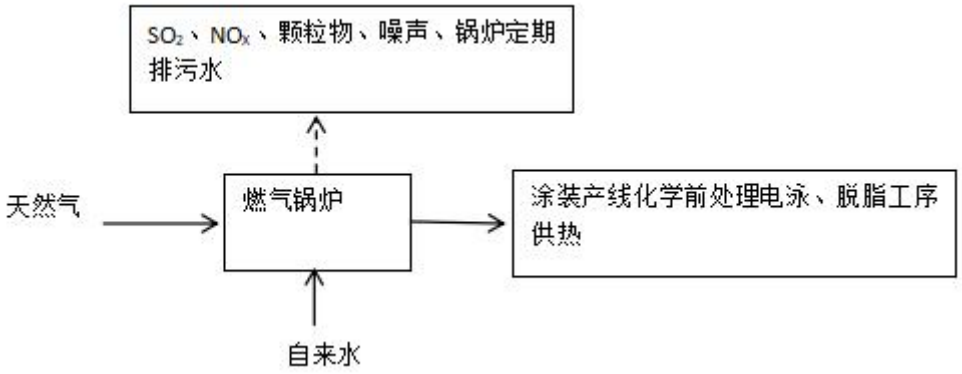
0.6m^3/a

60m^3

60.6m^3/a

“ ضد


新鲜水 60.6
损耗 0.6
锅炉用水
60
排污水
60
污水处理站
60
市政污水管网


SO_2、NO_x、颗粒物、噪声、锅炉定期排污水
天然气
燃气锅炉
涂装产线化学前处理电泳、脱脂工序供热
自来水

1.4MW

85

3.7-1

		/
		/
		/
		/
	25m DA012	

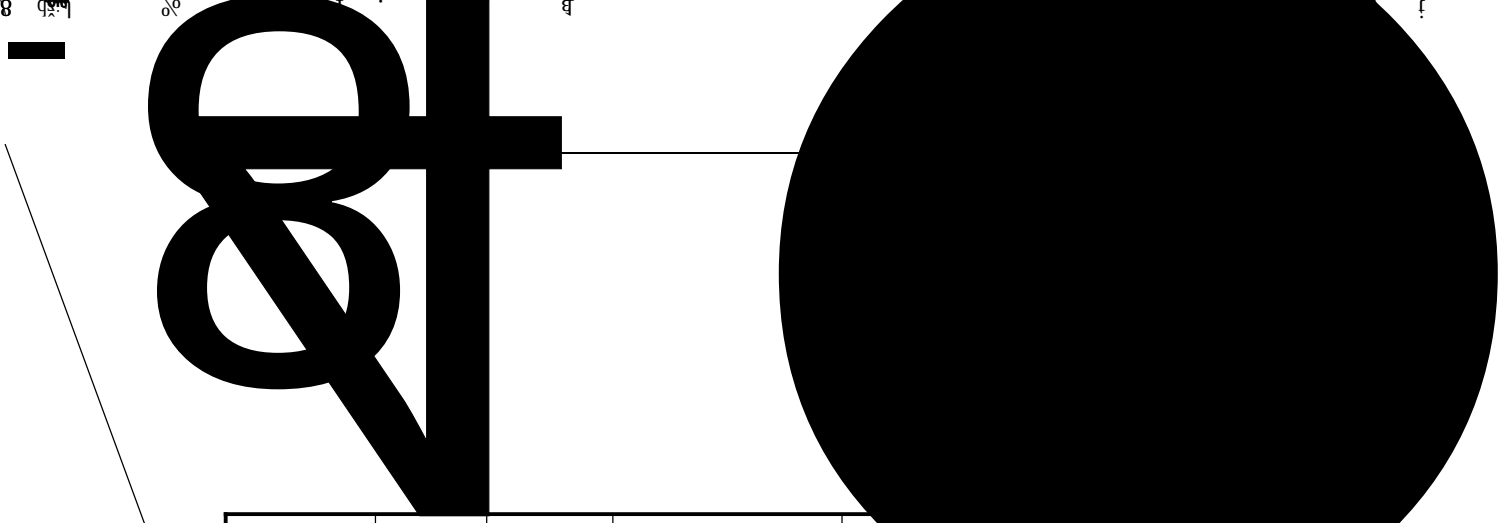
3.7-1

3.7-2

	1		
	2 30%		
	3		
	4 10%		
	5		

6

1



		0.4m³/d	pH		450m³/d	→ →

2 1.4MW

50 2 1.4MW

(10)

1

50 (

8.5)

2

GB8978-1996) 4

(GB13271-2014)

3 (GB13271-2014) 3 3

NOx SO NOx (

( ) ( ) (

) (NOx SO) (NOx

30mg/Nm 10mg/Nm) 30mg/Nm)

4

(GB12348-2008) 3

(GB12348-2008) 3

5 H

6	“ ”	“ ”	

2017 11 20

4.3-3

1

2

3

œ °

⅓ ǯ א q ʒ

E ← †

E

5

“ ”

2024 8 22

[2024]114

(677 4015

ķ ₦

2 1.4MW

50

(10)

( )

GB8978-1996) 4

( )

(GB13271-2014) 3 NOx SO

( ) ( )

(NOx SO 30mg/Nm 10mg/Nm)

( )

(GB12348-2008) 3

( )

“ ”

9

1

א

ﻉﻫ ﻩٰ

2018 9

COD SS

HJ 836-2017 1mg

$1m^3$

40-50

“

1mg $1m^3$ ”

DA012		3 /
DA019		2

N1	1m		2 /
N2	1m		
N3	1m		2

N4	1m		

8.1-1

		HJ 57-2017	/ZR-3260	ZH-CY-139	3mg/m^3
		HJ 693-2014	/ZR-3260	ZH-CY-139	3mg/m^3 3mg/m^3
		GB 12348-2008	AWA5688	ZH-CY-03	—

1

2

3

HJ 630-2011

4

5

2025 4 25 ~4 26 9 3 ~9 4

9.1-1

			m^3/h	m^3/h	%
2025	4	1#	0.016	0.013	81.25
25		2#	0.016	0.014	

	mg/m^3						
	kg/h	0.041	0.043	0.044	0.040	0.040	0.040	\
	N·m^3/h	2083	2096	2099	1848	1859	1872	\
	%	4.9	4.9	4.9	4.2	4.2	4.2	1

2#

DA019

9.2-3

	kg/h	kg/h
1#	0.0055	0.041
2#	0.0063	0.042
	0.028	0.199

		0.003	0.003
		0.028	0.15
		0.199	0.23

9.2-8 COD

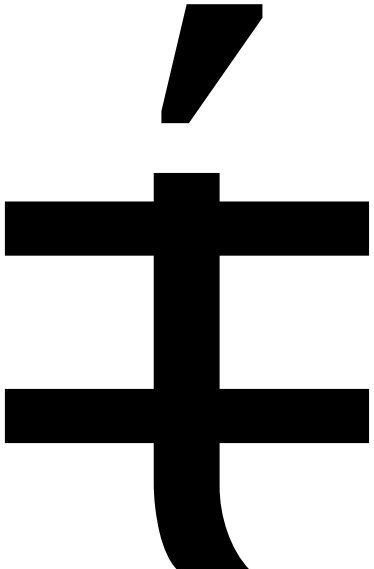
0.003t/a 0.028t/a

0.199t/a

‘ .1 0 *

COD SS

℗ C



( ) ( ) ( )

		C3514										112.805711619 28.202139178	
		2 1.4MW						2 1.4MW					
								[2024]114					
		2025 2						2025 3				2025 8	
												91430100MA40N6301C001V	
												81.25 87.5%	
		50						10				20	
		50						8.5				17	
		0		8		0.5		0					0
												3000	
								91430100MACK6JB1X8				2025.8	
		11043	/	/	0.006	0	0.006	0.006	0	11043.006	11043.006	0	+0.006
		5.2	/	/	0.012	0.009	0.003	0.003	0	5.203	5.203	0	+0.003
		0.87	/	/	0	0	0	0	0	0	0	0	0
		/	/	/	/	/	/	/	/	/	/	/	/
		/	/	/	/	/	/	/	/	/	/	/	/
		0.56	/	/	0.028	0	0.028	0.028	0	0.588	0.588	0	+0.028
		/	/	/	/	/	/	/	/	/	/	/	/
		/	/	/	/	/	/	/	/	/	/	/	/
		0.85	/	/	0.199	0	0.199	0.199	0	1.049	1.049	0	+0.199
		742	/	/	/	/	0	/	0	742	742	0	0

			8.09	/	/	0	0	0	0	0	0	0	0	0
1	+	-	2	(12)=(6)-(8)-(11)	9	= (4)-(5)-(8)- (11) +	1	3	—— / —— /					
—— /	—— /													