
46

2015

1674

60

2022 8

2023 1 1

1674

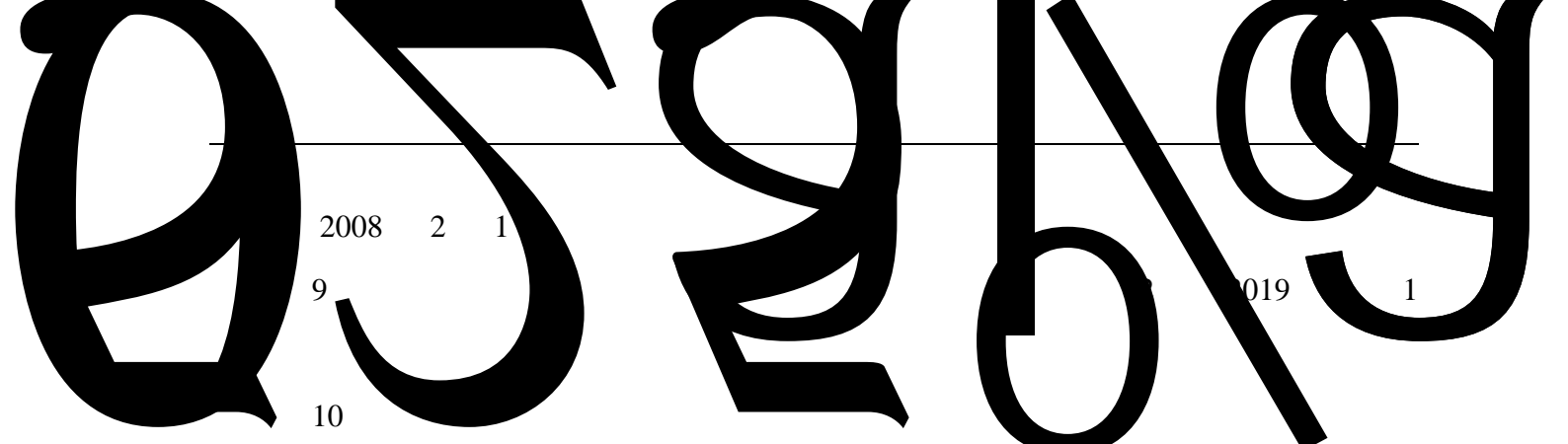
2023 02 11

3

1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	5
1.4	.....	6
2. 7"	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	7

1.

1.1



2008 2 1

9

019

1

10

30 2015a "5 29

80

2015 7 1

11) 5 b 7

44 2015 5

29

80

2015 7 1

12

55

2015 3 23

79

2015 7 1

13

44

2025 6 1

14

4

2025 9 1

15

2025 5

2025 1 27

16

2025 6 2025 05 07

17

f³òB@ \$\$ † P

2025 4 2025 & 10

18

<

>

2021 12

2021 12 31

19 Å

b

36

<

>

2017 5 2017 9 13

37

[2016]11 2016 7 6

38

2018 21

2018 8 31

1.2.2.

1

GB50156-2021

2

GB 6944-2025

3

GB 12268-2025

4

GB 18218-2018

5

GB 17914-2013

6

GB 55036-2022)

7

GB 50966-2014

8

GB 50058-2014

9

AQ 3009-2007

10


GB 6441-1986

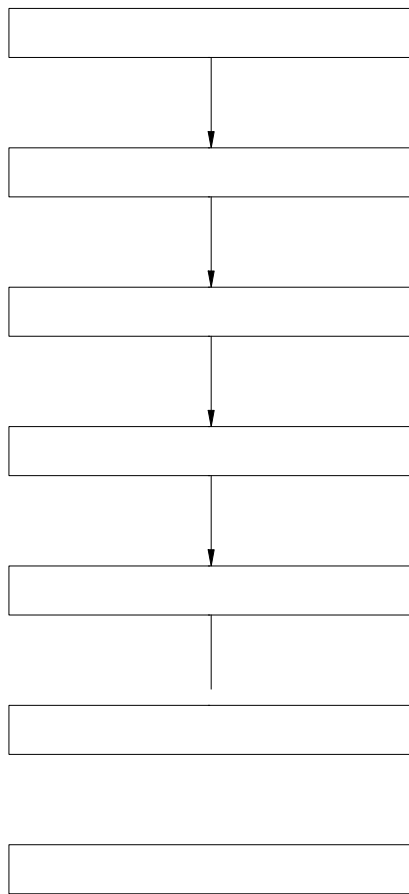
11

GB/T 13861-2022

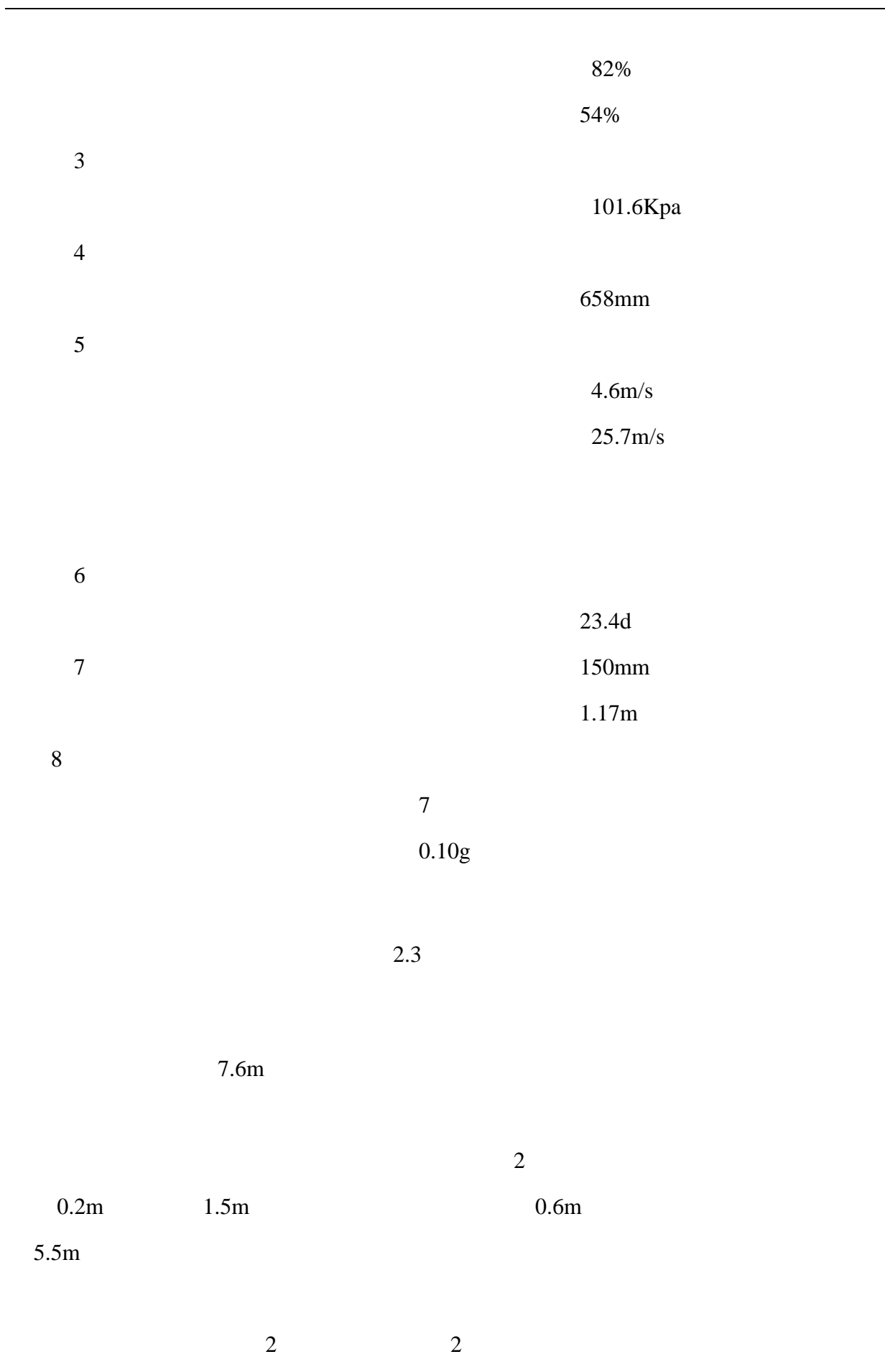
12

GB 5004 3

20		GB/T 29639-2020
21	(GB/T12801-2008)	
22	(GB 5083-2023)	
23	YJ/T 9007-2019	
24	(AQ 3010-2022)	
25	AQ 3018-2008	
26	GB30871-2022	
27	XF/T 3004-2020	
28		SH/T 3177-2015
29	GB/T 13869-2017	
30	AQ 8001-2007	
31		
	(GB/T22380.1-2017)	
32		
	(GB/T22380.2-2019)	
33		
	(GB/T22380.3-2019)	
1.2.3.		
1		2005 4
2		2002
11		
3		2003 7
	1.3	
1	f	



1 1



2-1

m

7	50
10.5	32

2.4

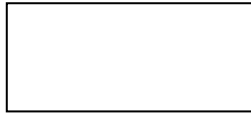
2-3

2-3

			m ²				
1.			94.9			1	
2.			97.5	0.25h		1	H=5.5m

2-4

2-4



2.6-2

2.6-3

2.6-4

2.7

2.7.1

1

91210300725665237D

2025 01 15

2

46

() [2024]100043

2023 2 11 2026 2 10

3

LNFYJC/B/TY2025003422

2026 03 18

4

2.7.2

1

2

a.

	8kg		2	5kg		5		8kg
	2	35kg		2		2m ³		
7								
						10		
			4			6		
4	4.5m		1			4.5m	3.5m	
1								
								90%

$Q_1 \quad Q_2 \dots Q_n$ t
 3

3.1.3

23	60	3-1										
		3-1										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 50%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">W</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">W</td> </tr> </table>									W			W
		W										
		W										
		$60m^3$	0.75									
45t	$60m^3$	0.89	53.4t									
$45/200 + 53.4/5000 = 0.23568 < 1$												

3.2

3.2.1

		2*	1B	2
1	-	2	-	2
	1630			
	E10	B		92
95	98	3	=1 0.72 0.775	=1 3

4 -46

1.4 7.6%

415 530

0.813MPa

1674

-18 =1 0.87 0.9
282-338

15min

4

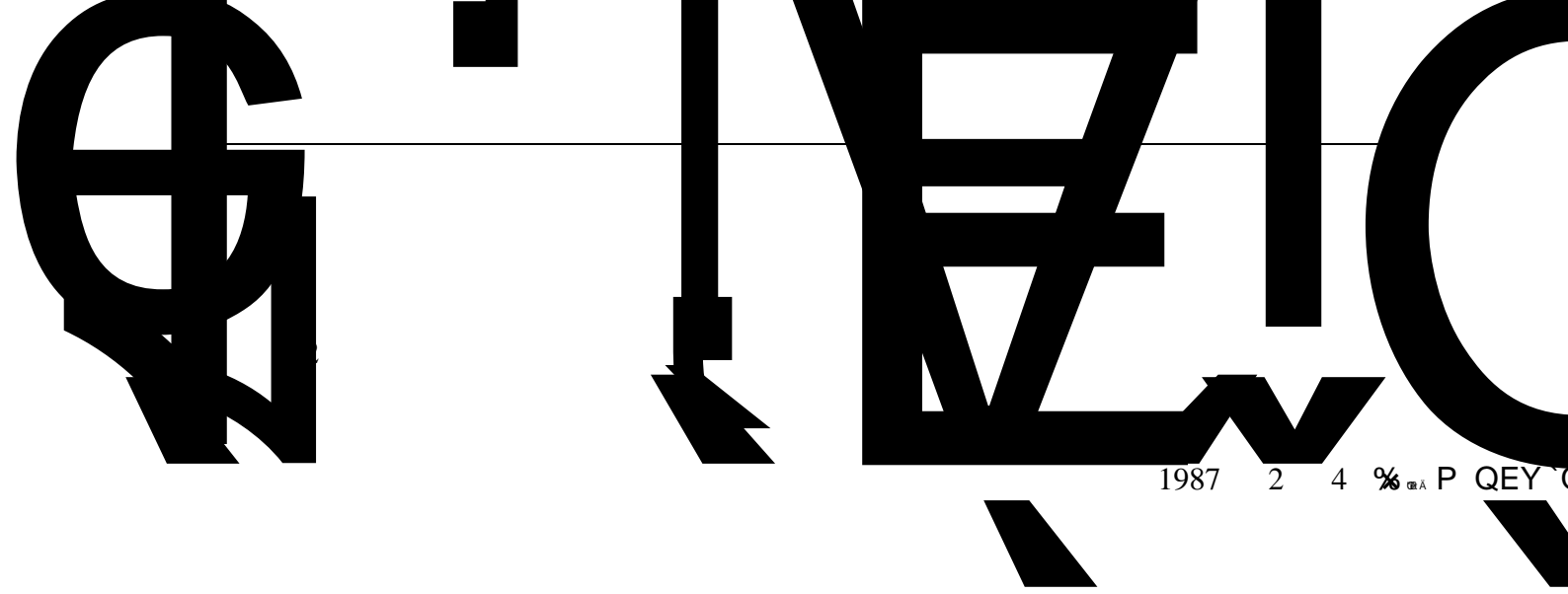
3.3

3-2

3-2

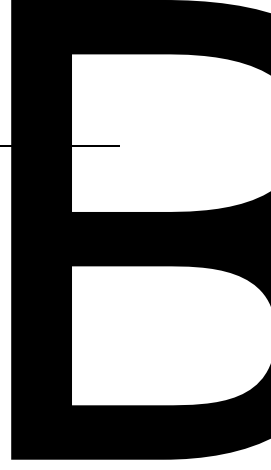
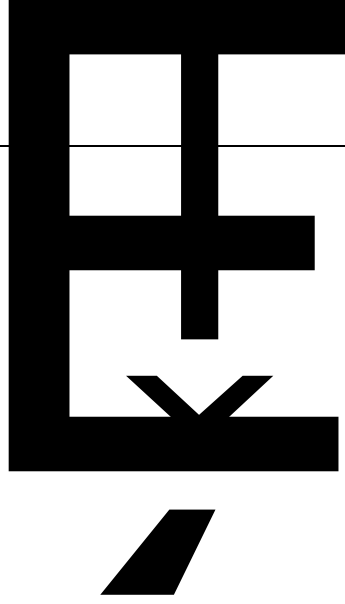
1

2



9 „F 864, 8KÄ
Fu" 864 + E

3



3.3.4

3.3.5

3.3.6

3.3.7

2m

2m

3.3.8

1

2

4.

4.1

%

a "

a â "

Ø

a "

5.

8

5-1

	4		GB50156-2021 4.0.12		
	5		GB50156-2021 4.0.13		
	1		GB50156-2021 5.0.1		
	2	6m 4m 8%	GB50156-2021 5.0.2	8%	
	3		GB50156-2021 5.0.3		
	4	” “ ” “	GB50156-2021 5.0.5	” “ ”	
	5	3m 1.2m ³	GB50156-2021 5.0.6		

100mm 1.2m

6

GB50156-2021
5.0.7

7

GB50156-2021
5.0.8

8

300m²

		5.0.13	2-1	2-2	
13	C	GB50156-2021 5.0.16			

5-4

1		GB50156-2021 6.1.1		
2		GB50156-2021 6.1.2		
3	6.1.4 0.08MPa	GB50156-2021 6.1.4	FF	
4	-		FF	
	SH/T3177	GB50156-2021 6.1.5		
5				
		10 ⁹		
		10 ⁹		FF
		GB50156-2021 6.1.7		
	A=0.04Vt			

6.	11.2	GB50156-2021 6.1.8	FF	
7		GB50156-2021 6.1.9	FF	
8	80mm 4mm	GB50156-2021 6.1.10	FF	
9		GB50156-2021 6.1.11		
10	0.5m 0.9m 0.3m	GB50156-2021 6.1.12	0.9m	
11		GB50156-2021 6.1.13		
12		GB50156-2021 6.1.14		
13				

	90%		GB50156-2021	
95%			6.1.15	
14				
			GB50156-2021	
	0.8L/h		6.1.16	
15				
		SH		FF
3022			GB50156-2021	
			6.1.17	
1				
			GB50156-2021	
			6.2.1	
2				
	50L/min		GB50156-2021	5-50L/min
			6.2.2	
3				
			GB50156-2021	
			6.2.3	
4				
			GB50156-2021	
			6.2.4	
5				
			GB50156-2021	
			6.2.5	
1				
			GB50156-2021	
			6.3.1	

	25mm		25mm	
			1.0 1.2	
8	100mm T 150mm 200mm 200mm	50mm 45°	100mm 45° 150mm	
		GB50156-2021 6.3.8		
9	4m 2m		4m	
		GB50156-2021 6.3.9		
10		50mm	50mm	
		GB50156-2021 6.3.10		
11		2KPa~3KPa 1.5KPa~2KPa		
		GB50156-2021 6.3.11		

n

12

GB/T8163

n

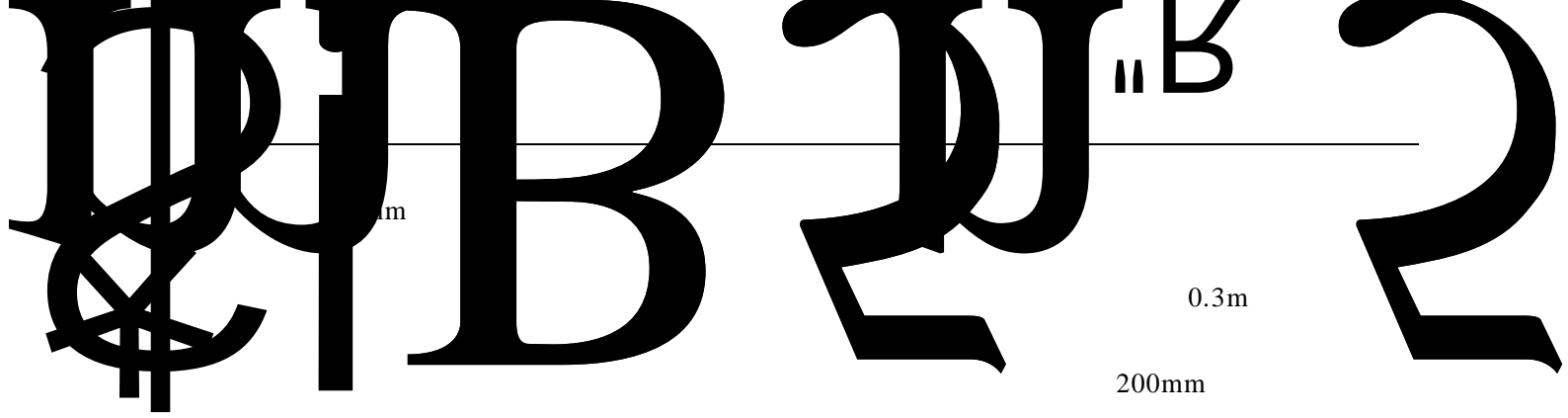
4m

B8/0

и иш

и иш

3



17



GB50156-5m\$

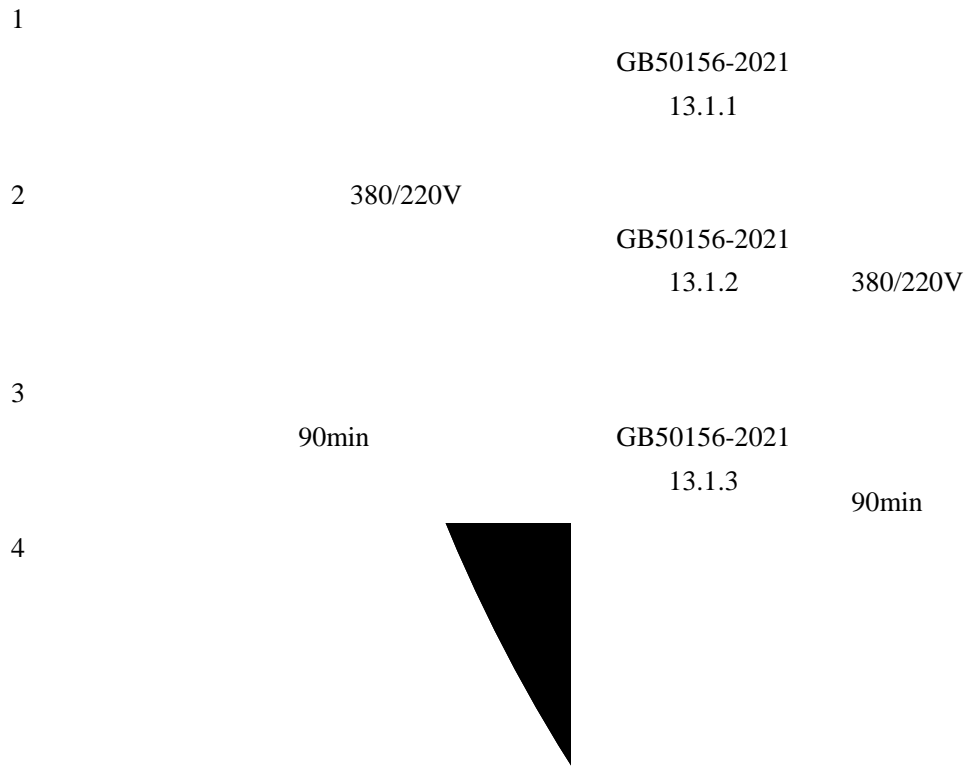
“ ”

GB50156-2021

6.6.1

2

	<p>1</p> <p>2</p> <p>1 6L</p> <p>15m</p> <p>2m³</p> <p>1 5kg</p> <p>2 5kg</p> <p>2 2</p> <p>1 35kg</p> <p>5</p> <p>2 2m³</p>	<p>GB50156-2021</p> <p>12.1.1</p>	<p>8kg</p> <p>1 2</p> <p>8kg</p> <p>2 35kg</p> <p>2</p> <p>2</p> <p>2m³</p>	
	<p>2</p> <p>GB50140</p>	<p>GB50156-2021</p> <p>12.1.2</p>	<p>8kg</p> <p>5kg</p> <p>2</p> <p>5</p>	
	<p>1</p> <p>0.25m</p> <p>0.25m</p>	<p>GB50156-2021</p> <p>12.3.2</p>		
	<p>2</p>	<p>GB50156-2021</p> <p>12.3.3</p>		
	<p>1</p>			



1

2

GB50156-2021

13.2.1

FF

2

		6.1.3		
	3	GB 50395-2007 5.0.3		
	4	GB 50395-2007 5.0.5		
	1	GB50343-2012 5.1.2		
	1	GB50156-2021 13.5.1		
	2.			
	1	GB50156-2021 13.5.2		
	2			
	3.	GB50156-2021 13.5.4		



	3.0h		14.2.14	
	11		GB50156-2021 14.2.15	
	12		GB50156-2021 14.2.16	
	1			

5-8

5-8

1

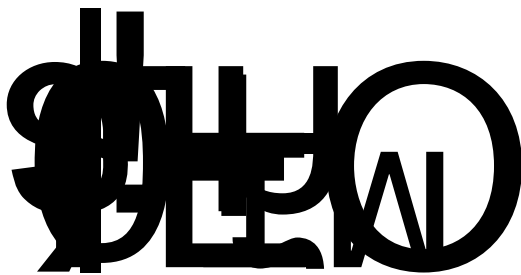
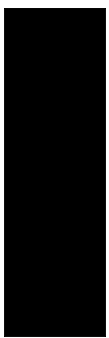
2

C

17

18

19



1

1		8kg		2
2		35kg		2
		8kg		2
				2m ³
				2
3		8kg		2
		5kg CO ₂		5
<p style="text-align: center;"> GB50156-2021 12.1.1 2 2 5kg 1 5kg 1 6L 2 2 2 5kg GB 50140-2005 2 </p>				

6

“ ” “ ”

7

7.

GB50156-2021

1.

GB50058-2014

1 0

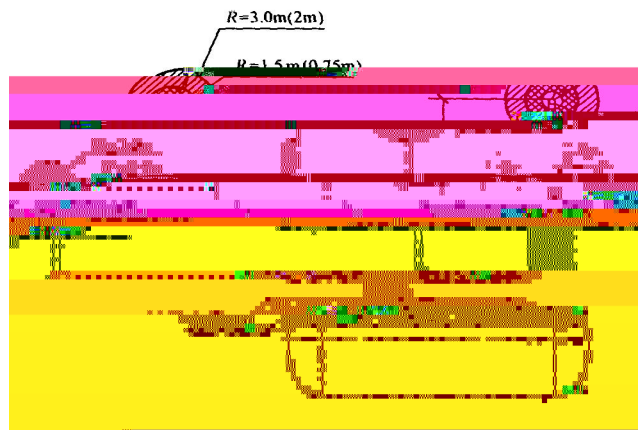
2 2 1

3

3m

1.5m

2



R
