
16

2015

1674

≤60

2022 8

2023 1 1

1674

2023 04 01

3

1.		1
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1 2021 9 1

2 2024 11 1

3 591 2013 12 7

645

4 708 2019 4 1

5 23 2024

10 1

6 Φ 3 ∅ 2

8							44	2015	5
29				80		2015	7	1	
9									55
2015	3	23			79		2015	7	1
10							2	2019	9 1
11									2025 5
2025	1	27							
12									
	2020	3		2020	4	1			
13							<		>
		2021	12		2021	12	31		
2022	6		2022	4	2				
14							“	”	
		2025	4		2025	2	10		
15									
	2016	8		2016	2	5			
16					2015				
2015	5		2015	5	1				
17								2015	
					2015	80		2015	8 19
18									
	2011	95		2011	7	1			
19									
					2011	142		2011	7 1
20									
					2017	121		2017	11 13

2019 78

2019 62 2019 12 26

2020 1 2020 5 30

341 2021

25

2017 45 2017 12 23

26

2012 144 2012 8 30

 $\angle$
$$>$$

2017 22 2017 11 28

28

2018 21

2018 8 31

29 < 2015 > “1674 [≤60]”

“1674”

2022

8 2023 1 1

30

< 2015 >

2022	300	2023	1	1
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31

2022 317 2022 12 20

1.2.2

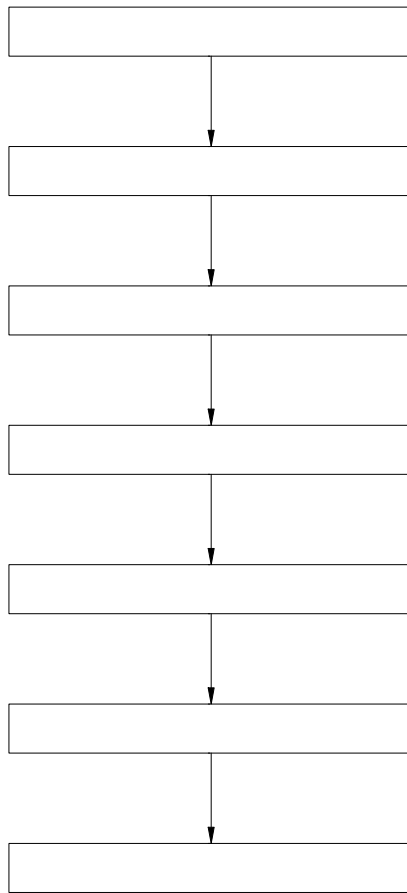
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GB50156-2021

2	GB6944-2025
3	GB 12268-2025
4	GB 18218-2018
5	GB 17914-2013
6	GB 50058-2014
7	AQ 3009-2007
8	GB 6441-1986
9	GB/T 13861-2022
10	GB/T 50610-2010
11	GB 50140-2005
12	GB 50057-2010
13	GB 12158-2024
14	GB 50395-2007
15	GB/T 29639-2020
16	YJ/T 9007-2019
17	(AQ 3010-2022)
18	GB30871-2022
19	(XF/T 3004-2020)
20	GB55036-2022
21	GB/T 13869-2017
22	GB/T 34661-2017
23	GB/T 35579-2017
24	GB/T 50759-2022
32	SH/T 3177-2015
33	GB/T 50493-2019
34	AQ 8001-2007

1.2.3

1



1 1

Diagram of a rectangular structure with dimensions:

- Height: $H=30\text{m}$
- Width: 78m
- Length: 154m
- Other dimensions: 50m , 35m , 50m , 16

1

-20.4

68%

	2-1		∞	m		
				m	m	
				5.5	67	
				10.5	45	
	H=30m			6.5	52	
				5.5	91	
				8.5	78	
				11	160	
				5	50	
				10.5	16	
	H=30m			6.5	35	
				5	50	
				8.5	104	
				11	180	
				5	72	
				10.5	51	
	H=30m			6.5	57	
				5	95	
				8.5	80.5	
				11	160.5	
				5	66	
				10.5	44	
	H=30m			6.5	51	
				5	95	
				8.5	80.5	
				11	167	

	2-2				m											
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	3	4.5	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	2	4.5	-	-
	4	15	3	16	4	19	3.5	19	5	16	4	16	5	14.5	4	19
CNG	6	23	4	17	8	22	6	21.5	6	56	6	49.5	6	22	8	

(' ̳ " Σ 0.5

0

2.4

2-3

2-3

∞

1				174m ²		
2				369.3m ²		H=6m
3				164.58m ²		
4				2m ²		

2-4

2-4

1	2	30m ³	-
2	2	30m ³	-
3	2		

		2.5		
	13		1	1
		2.6		
15min				
5min				
			2-2	
	1.0	1.2		

[2023]000723

2023 04 01

3

(1062017007)[2026]0102005

2026 9 2

4

2.7.2

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2

a. 5

b.

c.

3

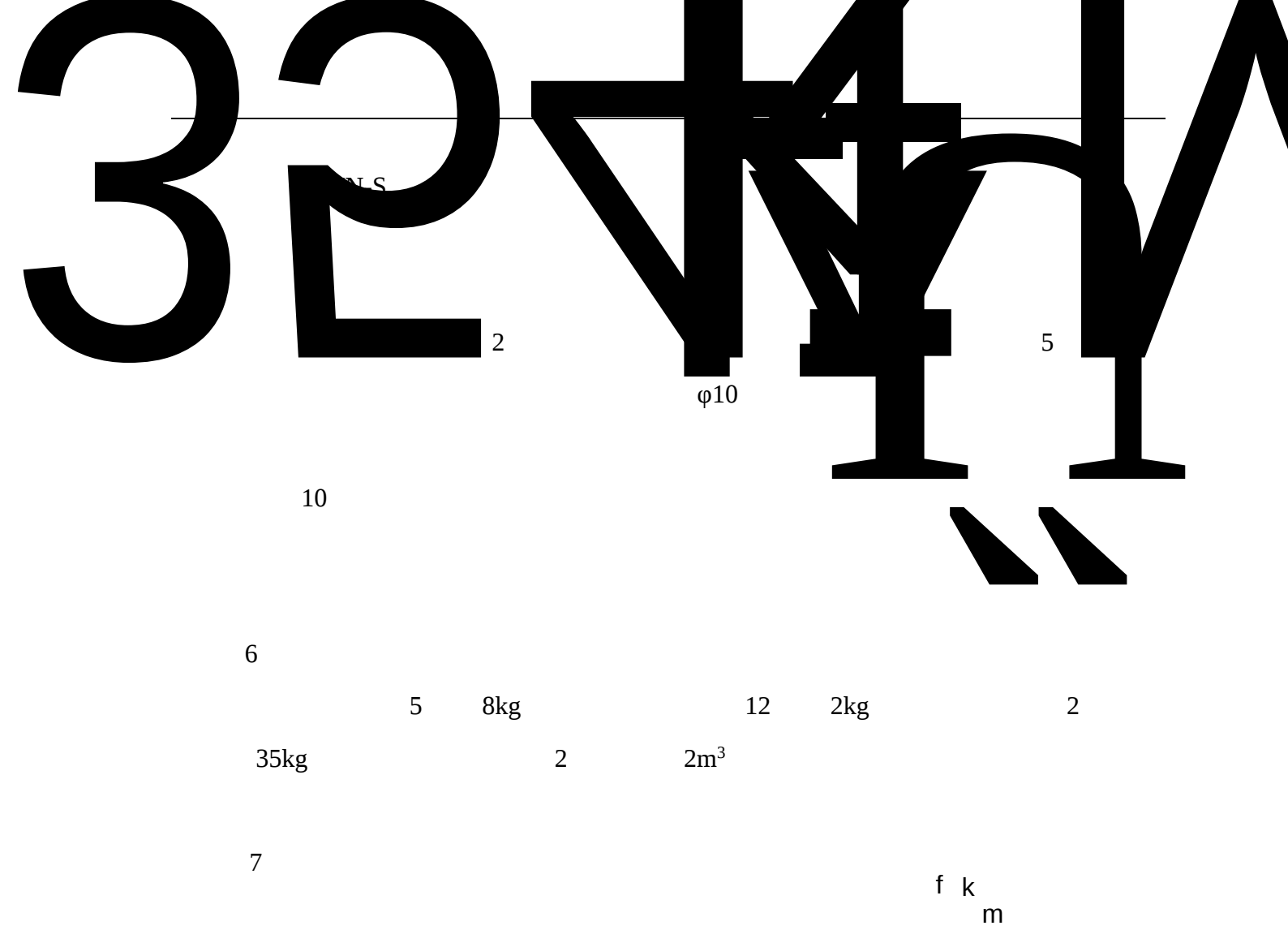
4

380/220V

UPS

2h

5



3. ∞

3.1

3.1.1

GB18218-2018

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2

3.1.2

1

2

$$S = q_1/Q_1 + q_2/Q_2 + \dots + q_n/Q_n \geq 1$$

S

$q_1 \quad q_2 \dots \quad q_n$

t

5



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30

2

• F
7#25ž

3

Ä#

1000m³

F O*6Äî

1

2

() ()

0.5m³

100mm

3

4

15min

50m

300m

1674

-44~4

=1 0.87 0.9

282-338

5 0 -10 60 -20
50 -35 -50 45

15min

10

3.2.2 ∞

3

4

3.3.2

1

3

3.3.3

3.3.4

3.3.5

3.3.6

4.

4.1

8

1

2

3

4

5

6

7

8

4.2

5. ∞

7

5-1

∞ 7

	10.		
	11.		
	12.		
	13.		
	14.		
	15.		
	16.		
	17.		
	18.		
	19.		
	1		
	2		
	3		
	1		
	1		
	2		
	3		
	1		
	2		
	3		
	1		
	2		
	3		

2025 11 20

∞

5-3

1

2-1

2-1

4

G? ?

— 3B 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

DEE

6 GB50156-2021
5.0.7

7 GB50156-2021
5.0.8

8

300m²

GB50156-2021

5.0.9

9

4.0.4

GB50156-2021

“ ”

5.0.10

GB50156-2021
5.0.11

11

2.2m

4.0.4

1.5

25m

GB50156-2021

5.0.12

G

4.0.4

	13	5.0.13-1 5.0.11 A	GB50156-2021 5.0.15		
	14	C	GB50156-2021 5.0.16		

5-4

	1		GB 50156-2021 6.1.1		
	2		GB 50156-2021 6.1.2		
	3		GB 50156-2021 6.1.3		
	4	AQ3020 6.1.4 0.08MPa	GB 50156-2021 6.1.4		
	5	- -	GB 50156-2021 6.1.5		

	SH/T 3178			
	6	GB/T 51344	50156-2021	GB 6.1.6
	7	$10^9\Omega$ $10^9\Omega$ $6.1.7$ $A=0.04V_t$ $6.1.7$ A —— m^2 V_t —— m^3	50156-2021	GB 6.1.7
	8	11.2	50156-2021	GB 6.1.8
	9		50156-2021	GB 6.1.9
	10	80mm 4mm	50156-2021 6.1.10	GB

11		GB 50156-2021 6.1.11		
12	0.5m 0.9m 0.3m	GB 50156-2021 6.1.12	0.9m 0.5m	
13		GB 50156-2021 6.1.13		
14		GB 50156-2021 6.1.14		
15	90% 95%	GB 50156-2021 6.1.15		
16	0.8L/h	GB 50156-2021 6.1.16		
17	SH 3022	GB 50156-2021 6.1.17		

Appendix

1		50156-2021	6.2.1
2			GB
	50L/min	50156-2021	6.2.2
			5-50L/min
3		50156-2021	GB 6.2.3
4		50156-2021	GB 6.2.4
5		50156-2021	GB 6.2.5
6			

	4				
		5			
10					
				GB	
			50156-2021	6.6.5	
11					
	1				
2				GB	
		3	50156-2021	6.6.6	
	4				
		5			
1					

94. 人



4m

2m

50156-2021

6.3.9

4m

GB

10 GB 50mm 50156-2021 50mm

10 GB 50mm 50156-2021 6.3.10

11

2KPa~3KPa

1.5KPa~2KPa

12

GB

50156-2021

6.3.11

GB/T8163

20

GB/T 21447 50156-2021 GB
6.3.20

21

GB
50156-2021 6.5.1

22

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4

	4.5m	GB50156-2021
5m		13.1.4
	4.5m	
3m		

5

GB50156-2021
13.1.5

6

LPG	LNG	CNG	GB50156-2021	CNG
			13.1.6	

7

GB50058	GB50156-2021
	13.1.7

8

IP44

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GB50156-2021
13.2.12

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GB50156-2021
13.2.13

13

GB50156-2021
13.2.14

14

100Ω

GB50156-2021
13.2.15

15

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GB50156-2021
13.2.16

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GB/T50115-201
3.0.3

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GB

50395-2007

5.0.5

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GB50343-2012

5.1.2

2

	5-7	∞	∞		
	1				
	1) 140KW				
	2) 2m	GB 50156-2021 14.1.3			
	3)				
	2				
	12 5 300cm ² /m ² 2	GB 50156-2021 14.1.4			
	3				
		GB 50156-2021 14.1.5			
	1	GB 50156-2021 14.2.1			
	2				
	4.5m				
	2m	GB 50156-2021 14.2.2	6m		
	GB 50068				

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	5	5	0	0
	32	32	0	0
	23	20	0	3
	53	44	0	9
	10	10	0	0
	33	32	0	1
	17	11	0	6
	20	12	0	8
	193	166	0	27

5-9

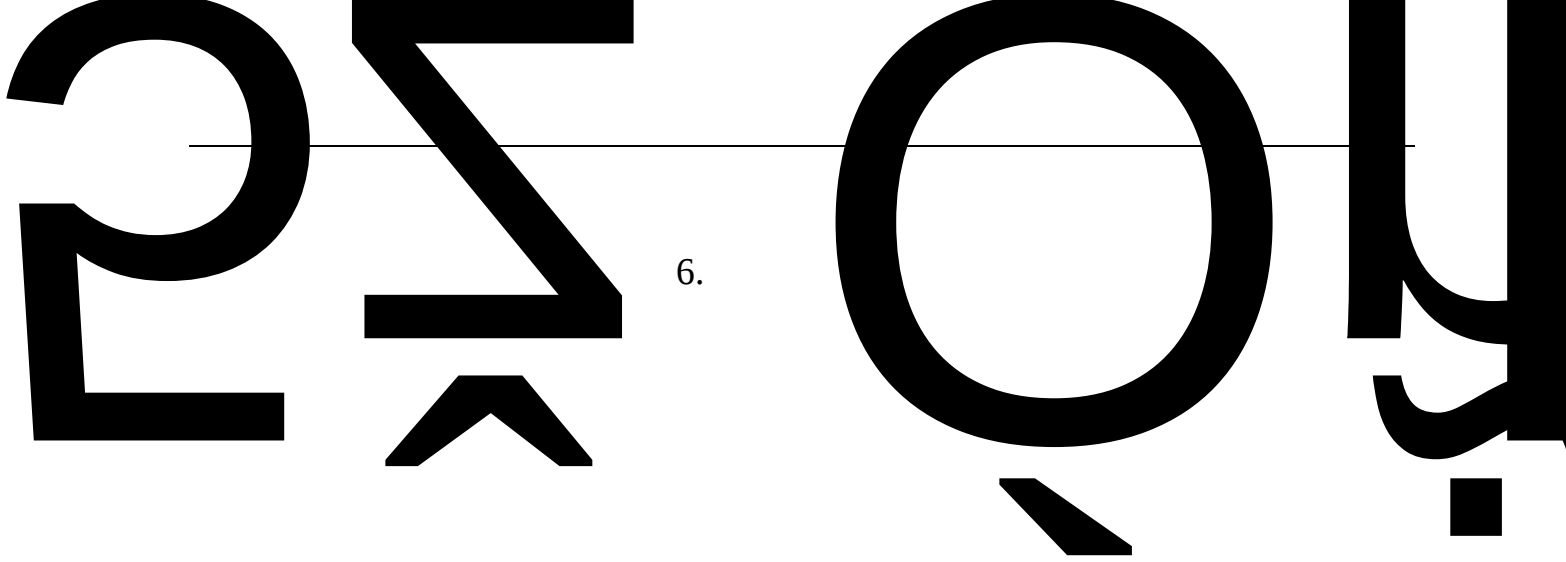
193

27

166

1

1		8kg	3 5kg	6	-
2		35kg	1	2	-
			2m ³	2m ³	-
			2	5	-
3		8kg	-	4	-
		2kg	-	2	
4	1# 2# 3#	8kg	-	2	-



6.

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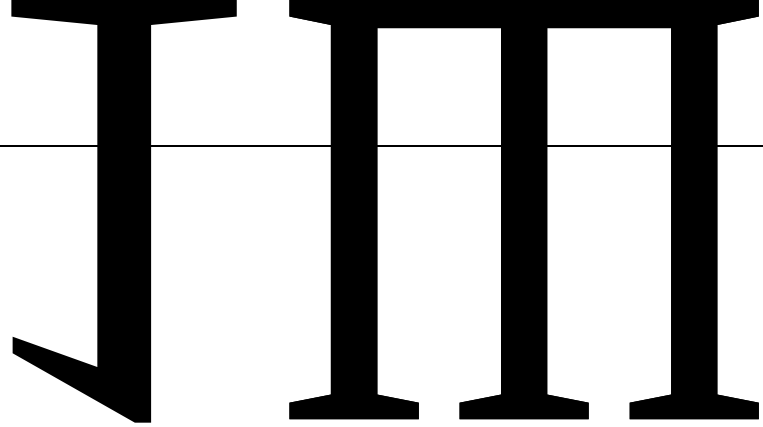
“

“

“

7.

GB50156-2021



1.

GB50058-2014

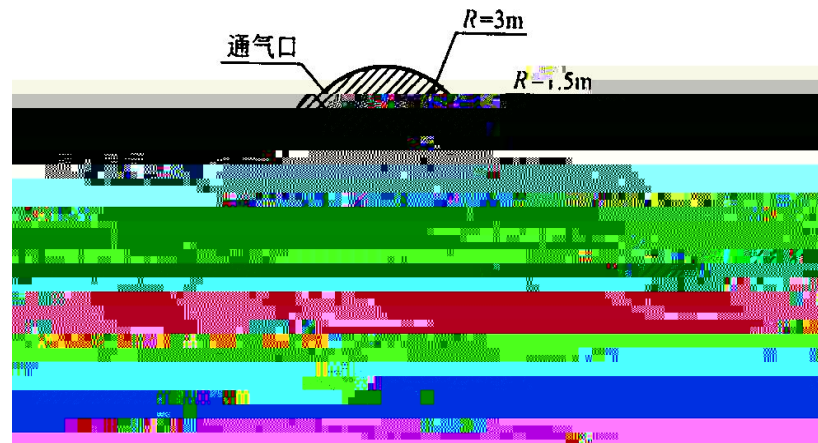
1 0

2 1

3
1.5m

3m

2



2

5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

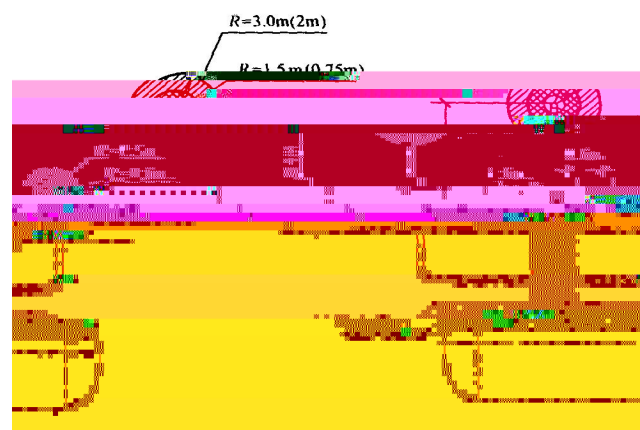
1.5m

1m

3m 2m

1.5m

2



3

