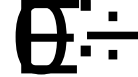
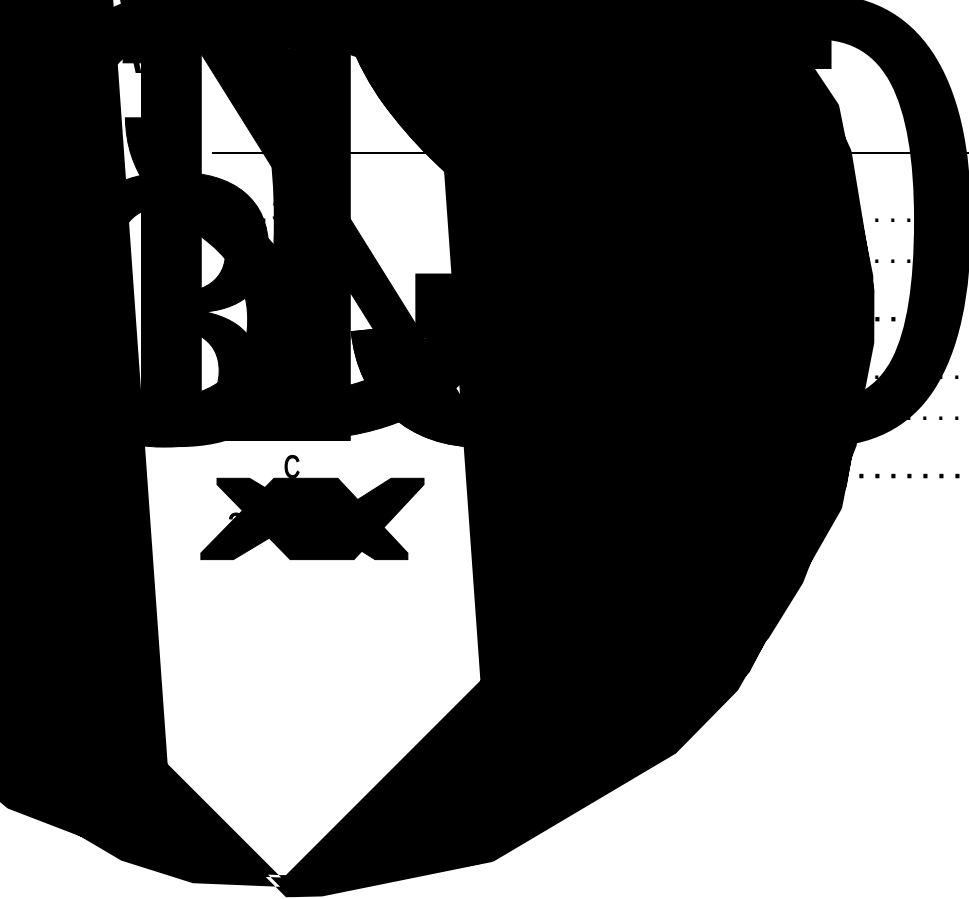

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6.2		48
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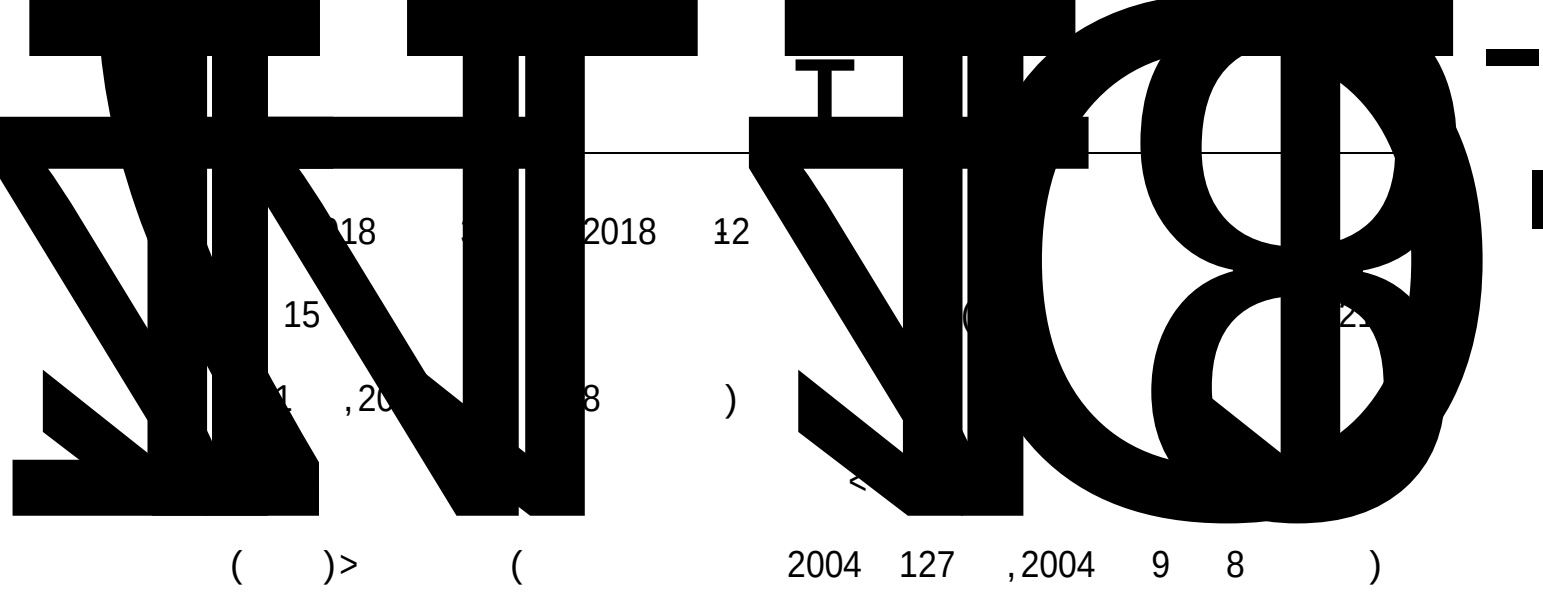
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.....	131



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- 1 (GB55037-2022)
- 2 (2018) (GB50160-2008)
- 3 (HG20571-2014)
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37	(GBZ158-2003)
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41	(GB18218-2018)
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	(DB61/T5030-2022)
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51	(GB2894-2008)
52	GB190-2009
53	(AQ/T3046-2013)
54	(AQ3047-2013)
52	(AQ/T3034-2022)

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59	(AQ8001-2007)	
60		(XF1131-2014)
61		(GB36894-2018)
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GB/T37243-2019		
63		(GB50151-2021)
64		(GB55024-2022)
65		GB50684-2011
66		GB50335-2016
67		GB55027-2022
68		GB/T28742-2012
69		GB50747-2012
70		JB/T8938-1999
71	-	-
HJ576-2010		
72		GB/T28743-2012
73		GB/T23484-2009
74	(1)	GB18918-2002

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SH/T3029-2014

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fak=80kpay

fak=80kpa

fak=240kpa

fak=150kpa

fak=550kpa

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2016

0.20g

95cm



			/	/MPa				
24		PP			1	V0136	1#	
25		PP	75		2	V0137AB	1#	
26		PP			1	V0138	1#	
27		PP			2	V0139AB	1#	
28					2	M0113AB	1#	
1		PPH	60		1	R0101	1#	
2		S30408	60		1	M0105		
3			40		2	R0102AB	1#	
4			40		2	M0106AB		
5			80		8	R0103ABCDEFGH	1#	
6			80		8	M0107ABCDEFGH		
7			120		2	R0105AB	1#	
8			120		2	M0109AB		
9			80		1	R0108	1#	
10			80		1	M0110		
1		S30408304			2	E0101AB	1#	
			100					
			40					
1			60	0.4	1		1#	
2				0.2	1		1#	
3				0.2	2		1#	
4			45	0.4	2		1#	
5			45	0.2	1		1#	
6			45	0.2	2		1#	
7			55	0.6	4		1#	
8			75	0.77	2		1#	
9				0.2	2		1#	
10				0.2	1		1#	
11				0.2	1		1#	

/ /MPa

DCS

DCS

S30403

DCS

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Q235B

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2.1m

0.7m

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2.2.2-2

				()	(Mpa)		()	
1		2m ³ DN1500 × 3000			0.8		2	
2		8m ³ DN2000 × 3710	/	45/170	/0.8		2	
3		3m ³ DN1600 × 2400	/	60/170	/0.8		8	
4		5m ³ DN1750 × 3000	/	120/170	/0.8		2	
5		6m ³ DN1824 × 3550mm		60/170	/0.8		1	

2.2.2-3

			()	(Mpa)	(mm)			
1	PL-200101		50	0.46	DN80	304	GC2	
2	AC-200101		45	0.45	DN50	304	GC2	
3	LS-200102		196	0.98	DN150	20#	GC2	
4	LS-10101		196	0.98	DN65	20#	GC2	
5	LS-10103		196	0.98	DN50	20#	GC2	
6	LS-10201		196	0.98	DN50	20#	GC2	
7	LS-10202		196	0.98	DN50	20#	GC2	
8	LS-10203		196	0.98	DN50	20#	GC2	
9	LS-10204		196	0.98	DN50	20#	GC2	
10	LS-10205		196	0.98	DN50	20#	GC2	
11	LS-10206		196	0.98	DN50	20#	GC2	
12	LS-10207		196	0.98	DN50	20#	GC2	
13	LS-10208		196	0.98	DN50	20#	GC2	
14	LC-10101		196	0.78	DN65	20#	GC2	
15	LC-10201		196	0.78	DN50	20#	GC2	
16	LC-10202		196	0.78	DN50	20#	GC2	
17	LC-10203		196	0.78	DN50	20#	GC2	
18	LC-10204		196	0.78	DN50	20#	GC2	
19	LC-10301		196	0.78	DN50	20#	GC2	
20	LC-10302		196	0.78	DN50	20#	GC2	
21	LC-10303		196	0.78	DN50	20#	GC2	
22	LC-10304		196	0.78	DN50	20#	GC2	

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26.7m 9m

900kW

800kVA\10KV\0.4KV

22KW EPS m " m "

5.5kw

	180min	UPS	UPS
	30min		
	90min		
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	380V 50Hz		TN-S
(N)	(PE)		
(PE)			
	(PE)		
		HG/T20666-1999	
	I		
4			
	φ12		
20m × 20m	24m × 16m		
	0.15m	1m	0.5m
			25m
1.5m			
HG/T20666-1999			

2

12 h

2.2.3-1

2.2.3-1

m³/h

0.2m

1	1#	(B)T35-11-4	24	9336	EXd BT4	1.5kw	45 °
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45 °

2	1#	T35-11-2.8	2	3202		0.25kw	
---	----	------------	---	------	--	--------	--

3	1#		16	37kw		0.36kw	
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4	1#	GYF-1-6	1	16734		5.5kw	
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5	1#		1	630x400	/	/	280
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6	1#		1	400x650 400+250	/	/	
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m³/h

DN150

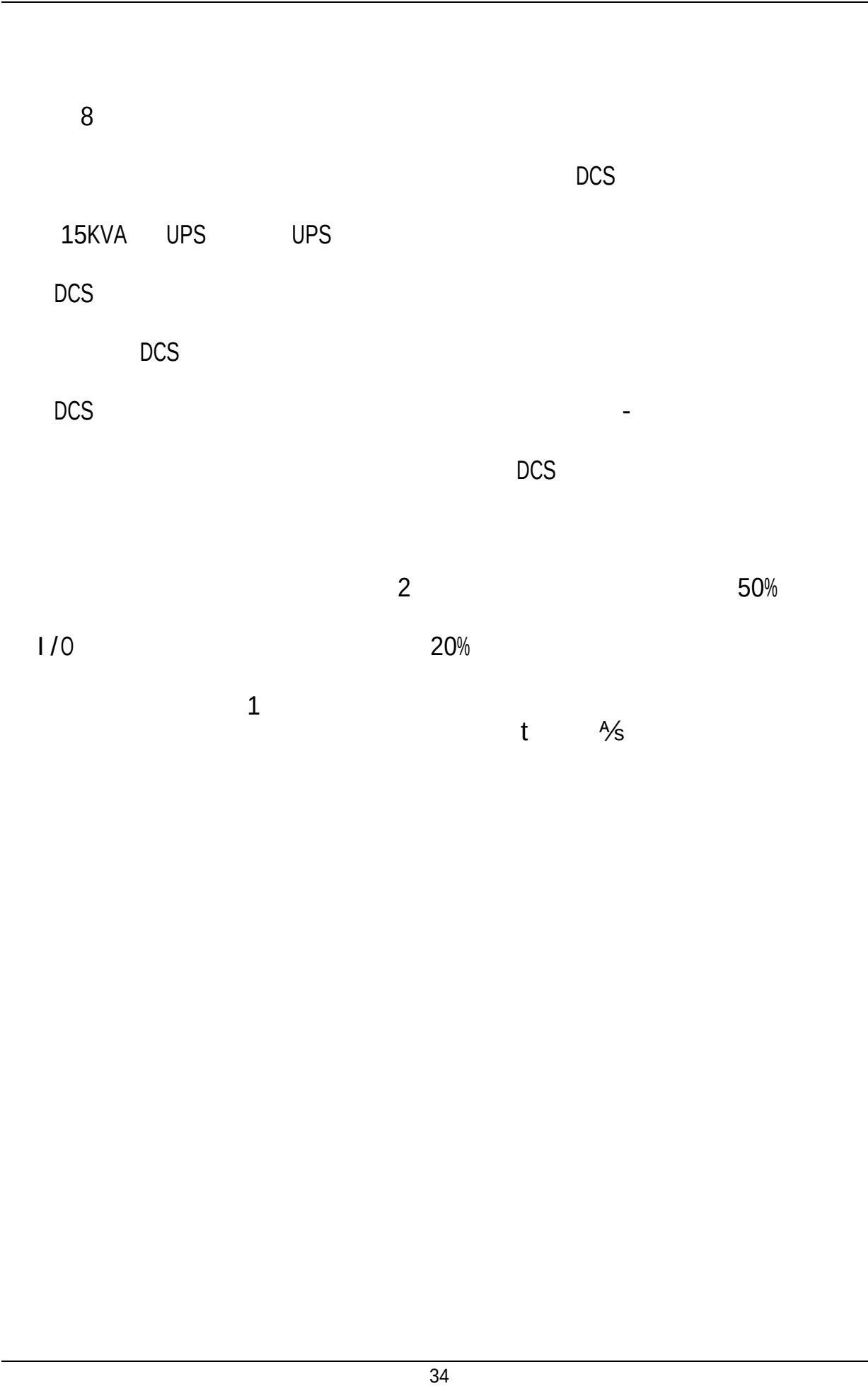
0.3MPa

450m³

2 40L/s

2 5L/s

2	XBD3.2/1.5-40L	2	3
3	1m ³	1	3
4	12m ³	1	3
			1
			2
5	DN65	6	
6			



500V

50%

DCS

DCS

2.2.3-3

2.2.3-3

1. V0101	LT10101	V0101	XV10101
		V0101	HV10101
2. R0101	LT10110	R0101	P0101
3. V0102	LT10102	V0102	P0101
		V0102	P0102
4. V0103	LT10103	V0103	P0102
		V0103	P0103A/B
5. V0104A/B	LT10104/LT10105	V0104A/B	XV10102/XV10103
		V0104A/B	HV10102/HV10103
6. R0102A/B	LT10111a/b	R0102A/B	P0104A/B
7. V0105	LT10106	V0105	P0104A/B
		V0105	P0105
8. V0106	LT10107	V0106	P0105
		V0106	P0106A/B

2.
V0109A-H

LT10203a-d,LT1
0303a-d

V0109A-H

P0106A/B

V0109A-H

HV10201a-d,HV10301a-d

V0108A-H

XV10203a-d,XV10303a-d

V0108A-H

P0103A/B

3.

V0108A-H

LT10202a-d,LT1
0302a-d

V0108A-H

HV10202a-d,HV10302a-d

1.
V0135

LT10406

~#36,41

V0105-H

P01220ad

2.	V0118	LT10803	V0118	P0116
3.	V0119	LT10804	V0119	

30d /

/ 300mm 2m

5.3ppm

10.3ppm

15KVA UPS 30min

2.2.3-4

2.2.3-4

1	1#	AZT-2320 AZT-2321 AZT-2322 AZT-2323	4		
2		AZT-2324 AZT-2325 AZT-2326 AZT-2327 AZT-2328	5		

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	A 10	B 5	C 2	D 0
	*1 A	B A	B A B	A B C
*2	1000m ³ 100m ³	500 1000m ³ 50 100m ³	100 500m ³ 10 50m ³	100m ³ 10m ³
*3	1000	1000 , 250 1000 ,	250 1000 250	250
	100Mpa	20 100 MPa	1 20MPa	1MPa
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71m

76m

190.6m

99.6m

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12		N1	

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7.2-5 7.2-6

7.2-5

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		14		
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		3		
	B T35-11-3.55	12	1#	12
1	B T35-11-3.55	6	2#	6
	B T35-11-3.55	8		8
	B T35-11-2.8	4		4
		2		
		1		
1		3		3
		1		1
		2		
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		3		
		1		
		4		4
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			2		2		
2			2	1#	2		
			2		2		

7.2-6

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			4				
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7.3.2-1

7.3.2-2

7.3.2-1

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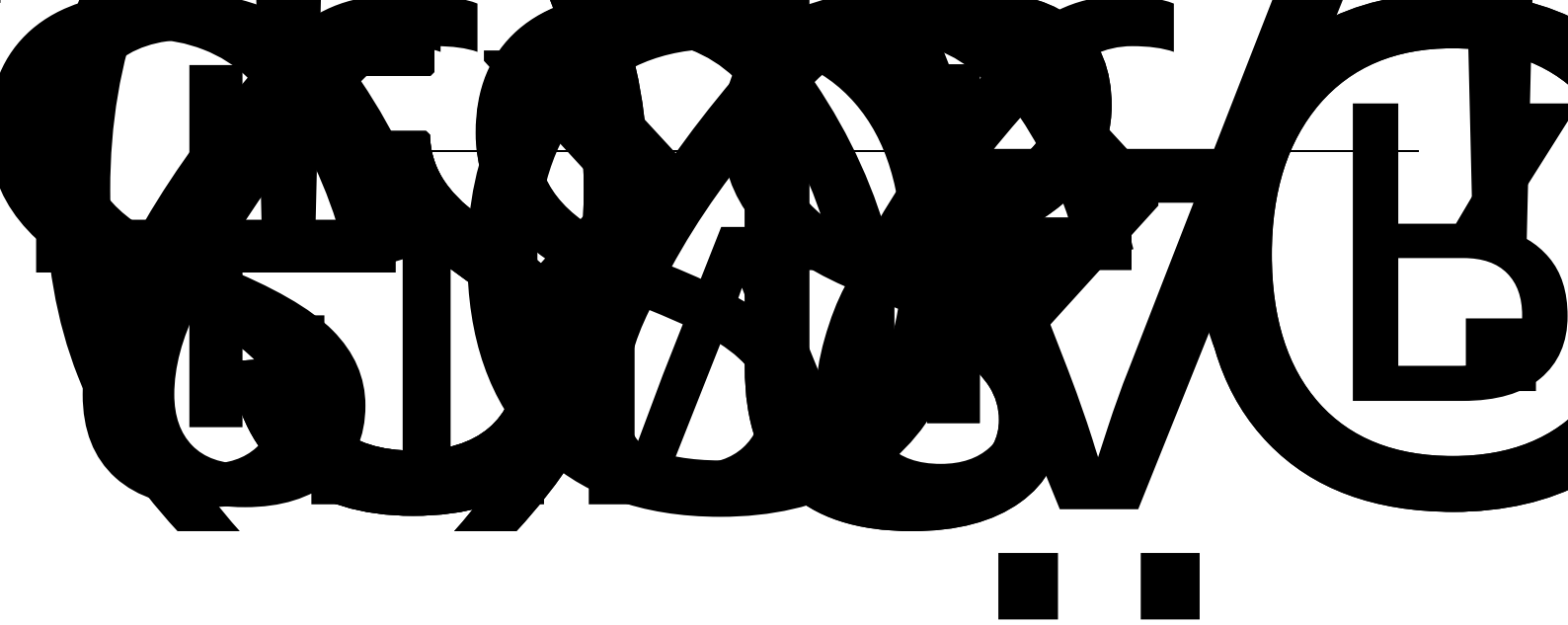
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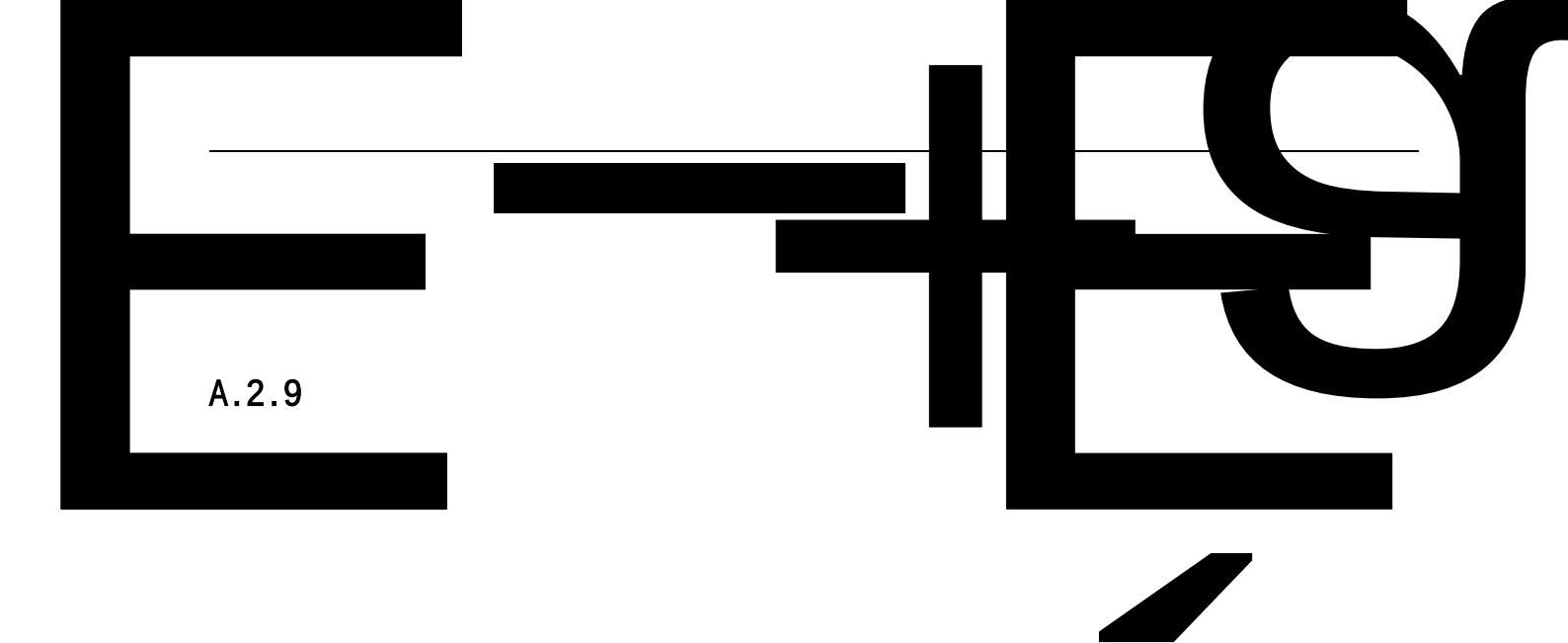
A.2.4

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A.2.9

A.2.10

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A.2.11

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750mm

65

580

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A.3.

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

S —

$q_1, q_2, \dots, q_n$ —

t

$Q_1, Q_2, \dots, Q_n$ —

t

A.3.2

— 2

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	20
	20

A.3.2-2	A.3.2-1	β
		β
	J1	4
	J2	1
	J3	2
	J4	2
	J5	1
	W1.1	2
	W1.2	2
	W1.3	2
	W2	1.5
	W3	1
	W4	1
	W5.1	1.5
	W5.2	1
	W5.3	1
	W5.4	1
	W6.1	1.5
	W6.2	1
	W7.1	1.5
	W7.2	1
	W8	1
	W9.1	1
	W9.2	1
	W10	1
	W11	1

α

500m

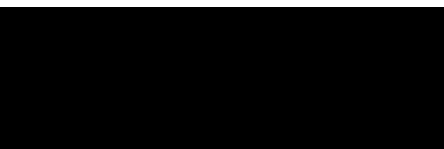
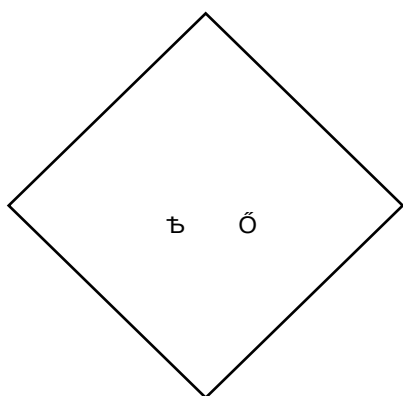
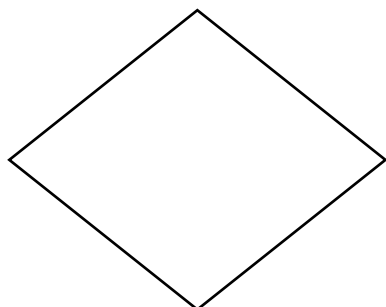
A.3.2-3	α
A.3.2-3	α
100	2.0
50 99	1.5
30 49	1.2

1 29	1.0
0	0.5

R A.3.2-4

A.3.2-4

		S	——	——	
	4				
		S	——		
	5				
		S	——		
			1#		
					1
A.3.4					
				1	
A.4.1					
A.4.1-1					
A.4.2					
GB/T37243-2019					
1		NO ₂			GB18218



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B.1.1

B.1.1-1

B.1.1-1

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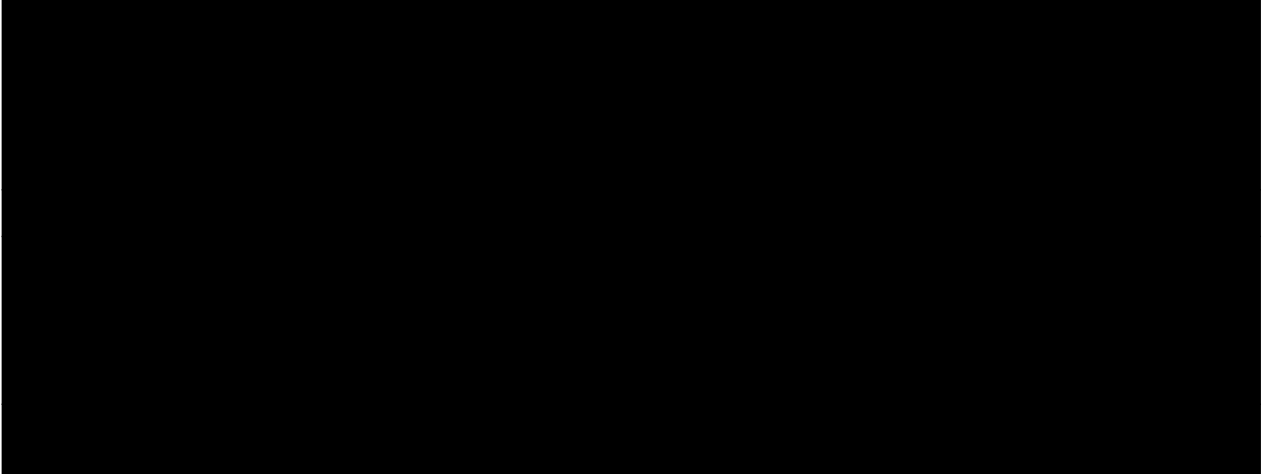
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GBZ/T260

GB30871-2022 4.9

2.5	1 2 3 4 10% 20%	GB50489-2009 5.1.6	6-9m	
2.6	1 2	GB50489-2009 5.1.8		
2.7		GB50489-2009 5.1.9		
2.8		GB50489-2009 5.1.11		
2.9		GB50489-2009 5.1.13		
2.10	9.3.18	GB50489-2009 9.3.18		
2.11	1 2 3	GB50489-2009 5.3.1		



2.12		GB50489-2009 5.3.16
2.13		GB50489-2009 5.3.17
	1	
2.14	2	GB50489-2009 5.6.2
	3	
	4	
	1	
2.15	2	GB50489-2009 5.6.4
2.16		GB50489-2009 5.6.5
2.17		GB/T50046-2018 3.2.2
2.18		GB/T50046-2018 3.2.3
2.19		

		GB/T50046-2018 3.2.4		
2.20		GB/T50046-2018 3.2.5		
2.21		GB/T50046-2018 3.2.6		
2.22		6.2.3		

B.1.2-2

			m	m		
2#			10	58.55	2018 3.4.1	
			/	177.74		
			10	18	2018 3.4.1	
			10	20	2018 3.4.1	
			12	60	2018 3.4.1	
		4#	10	78	2018 3.4.1	
			15	22.54	2018 4.2.1	
			20	190.6	2018 4.2.9	
			15	31.5	2018 4.1.9	

	m	m	
4#	37.5	66.2	2018 4.1.9
			5
	10	18	2018 3.4.1

			m	m		
			5	12	2018	3.4.12
			5	15.27	2018	3.4.12
			10	13.2	2018	3.4.1
		1#	10	11.4	2018	3.4.1
			5	12	2018	3.4.12
		2#	10	40	2018	3.5.2
			5	5.25	2018	3.4.12
			10	63.7	2018	3.4.1
		1#	10	13.2	2018	3.4.1
		30m ³ (2 ×)	15	31.7	2018	4.2.1
			/	12.58		
			15	31.7	2018	4.2.1
			15 × 3/4=11.2 5	11.35	2018	4.2.7 1
			/	25.66		
			5	5.12	2018	3.4.12
			5	5.5	2018	3.4.12
			10	10.3	2018	3.4.1

	GB5083-1999 6.1.2	
17	GB5083-1999 6.1.2	
18	GB5083-1999 6.4.1	
19	GB5083-1999	5.1
20	GB5083-1999 5.3.1	
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1 :
2 , ; GB50019-2015
2 6.4.2

2 2015

GB50019-2015

		5.7.1 a		
2		GB/T12801-2008 5.7.1 b		
3		GB/T12801-2008 5.7.1 c		
4		GB/T12801-2008 5.7.2		
5		GB/T12801-2008 5.7.3 b		
6		GB/T12801-2008 5.7.3 c		
7		GB/T12801-2008 5.7.3 d		
8		GB/T12801-2008 5.7.5 a		
9		GB/T12801-2008 5.7.5 b		
10	， (GB 50779-2012)， 2020		4h 1.0h	
11	) (,2020 8			

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B.1.4

B.1.4-1

B.1.4-1

1			GB15603-2022	5.2	
2			GB15603-2022	6.1.2	
3			GB15603-2022	6.2.1	
4			GB15603-2022	10.2	
		2			
5	2 100m ²	1	GB50016-2014	2018 3.8.2	2

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21			XF1131-2014	8.1
22			XF1131-2014	8.7
23			XF1131-2014	8.4
24	GB50057		XF1131-2014	8.11
25			XF1131-2014	9.2
26			XF1131-2014	10.9
27	GB50016	GB50140	XF1131-2014	10.1
28	2m		XF1131-2014	10.7
	GB25201			
29			XF1131-2014	10.2
30			XF1131-2014	10.8
31	90min		GB17945-2010 6.3.1.2	90min
32				

34	1.50m 0.15m	GB50140-2005 5.1.3		

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B.1.5

B.1.5-1

B.1.5-1

1	GB5749	GB55026-2022 5.1.1		
2		GB55026-2022 7.5.2		
3		20kV GB50053-2013 3.1.1		
4	6m	20kV GB50053-2013 4.2.6		
5		20kV GB50053-2013 6.1.1		
6		20kV GB50053-2013 6.2.2		
7		20kV		

			GB50053-2013	
			6.2.3	
			20kV	
8			GB50053-2013	
			6.2.4	
			20kV	
9				
			6.2.5	
			20kV	
10			GB50053-2013	
			6.4.1	
			20kV	
11			GB50053-2013	
			6.4.3	
12	50mm	200mm	GB50054-2011	50mm
			4.2.1	200mm
	1			
13			GB50171-2012	
			5.0.1.1	
14	4mm ²		GB50171-2012	
			7.0.5	
15			GB50171-2012	
			7.0.6	
16			GB50217-2018	
			3.1.1	
	1			
17			GB50217-2018	
	2		3.1.2	
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25m		
28		GB50057-2010 4.3.4
29		GB50343-2012 5.1.2
30	2	
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		10Ω

	0.6m	GB/T50493-2019 6.1.1		
36		GB50019-2015 5.1.1		
37		GB50019-2015 6.1.8		
38		GB50019-2015 6.1.10		
39	,	GB50019-2015 6.4.1		
40	12 /h ,	GB50019-2015 6.4.3	12 /h	
41		GB50019-2015 6.4.4		
42	: 1 2 20m; , 20m , , 6m 3 , 20m 4	GB50019-2015 6.4.5		
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62		GB50974-2014 8.2.13		
63		GB50974-2014 8.3.7		
64	1 ,	GB55036-2022 10.0.2		
65		GB55036-2022 10.0.4		
66	90min	GB51309-2018 6.3.1.2	90min	
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				7.7	
14				7.8	
		12mm			
15	100mm		800mm		14mm 100mm
				7.10	800mm
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				8.1.1	
17					
				8.1.2	
18			GB50058		
				8.1.5	
19					
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				8.1.8	
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31		5.3		
32	,	4.4		
33	() 15cm	6.1.2		
34	3m	6.1.3		
35	1 180cm			

	2 3 4 5 6	80cm 30cm 10cm 10cm 50cm	6.2	
36			5.1.1	
37	1		7.1.3	

B.1.7-2

1			6.1	
2			6.2	
3			6.3	
4	1 2 3	18 60	6.4	
5			6.6	

6				6.7		
7				6.8		
8				6.9		
9				7.3	2.5m	
10				7.6		
11				7.7		
12				7.8		
13	100mm	12mm	800mm	7.10	14mm 100mm	800mm
14				GB50351-2014 3.1.2		
15				8.1.1		

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B.2-1				
	A 10	B 5	C 2	D 0
	*1 A	B A	B A B	A B C
*2				
*3	1000m ³ 100m ³	500 1000m ³ 50 100m ³	100 500m ³ 10 50m ³	100m ³ 10m ³
	1000	1000 , 250 1000 ,	250 1000 250	250
	100Mpa	20 100 MPa	1 20MPa	1MPa
		()	()	

B.2-2			
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B.2-3

				(m ³)		MPa	
1				3	65-75		
2				6	70		
3				3	70		
4				3	55-70		

B.2-4

			(m ³)		()		(MPa)				
		2	3	0	65-75	0		0	2	4	
		2	6	0	70	0		0	2	4	
		2	3	0	70	0		0	2	4	
		2	3	0	55-70	0		0	2	4	

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1	2024/7/17
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5	2024/5/7
6	2024/5/7
7	2025/11/1
8	2025/11/1
9	2025/11/1
10	2025/11/1
11	2025/11/1
12	2026/5/6
13	2026/5/6
14	2026/5/6
15	2026/5/6
16	2026/5/6
17	2026/5/6

18		2026/5/6
19		2026/5/6
20		2025/11/1
21		2025/11/1
22		2024/12/6
23		2028/11/22
24		2026/8/26
25		2026/8/26
26		2026/6/12
27		2024/2/6
28		2024/8/6

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1		2023/7/4
		2025/07/19
		2024/08/10
		2024/06/10
2		2023/10/14
3		2024/04/30
		2024/05/27
4		2024/11/15
		2024/5/17
5		2021/11/27
6		2027/11/1
7		2025/11/1

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2	2022	
3	2023	

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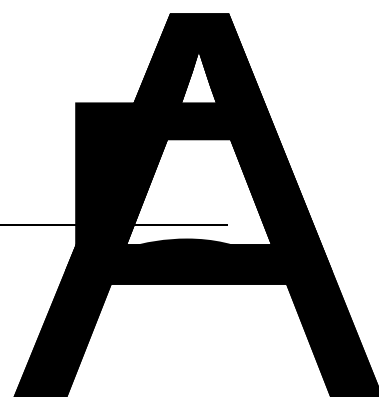
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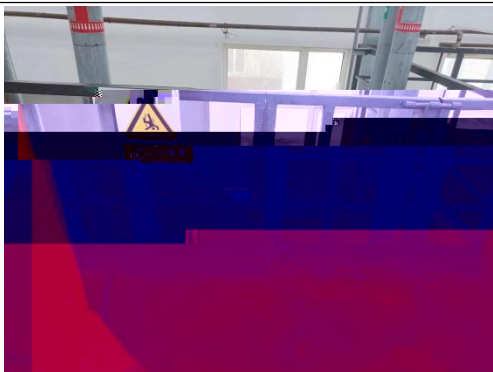
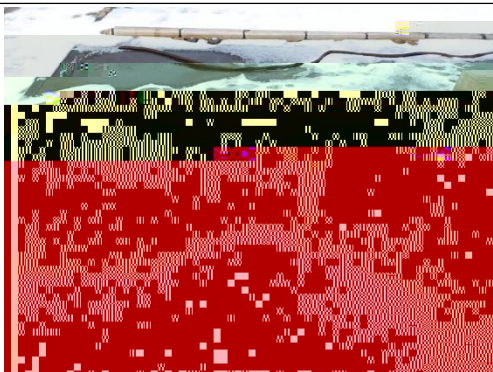
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