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19. EDWARDS

20. Edwards

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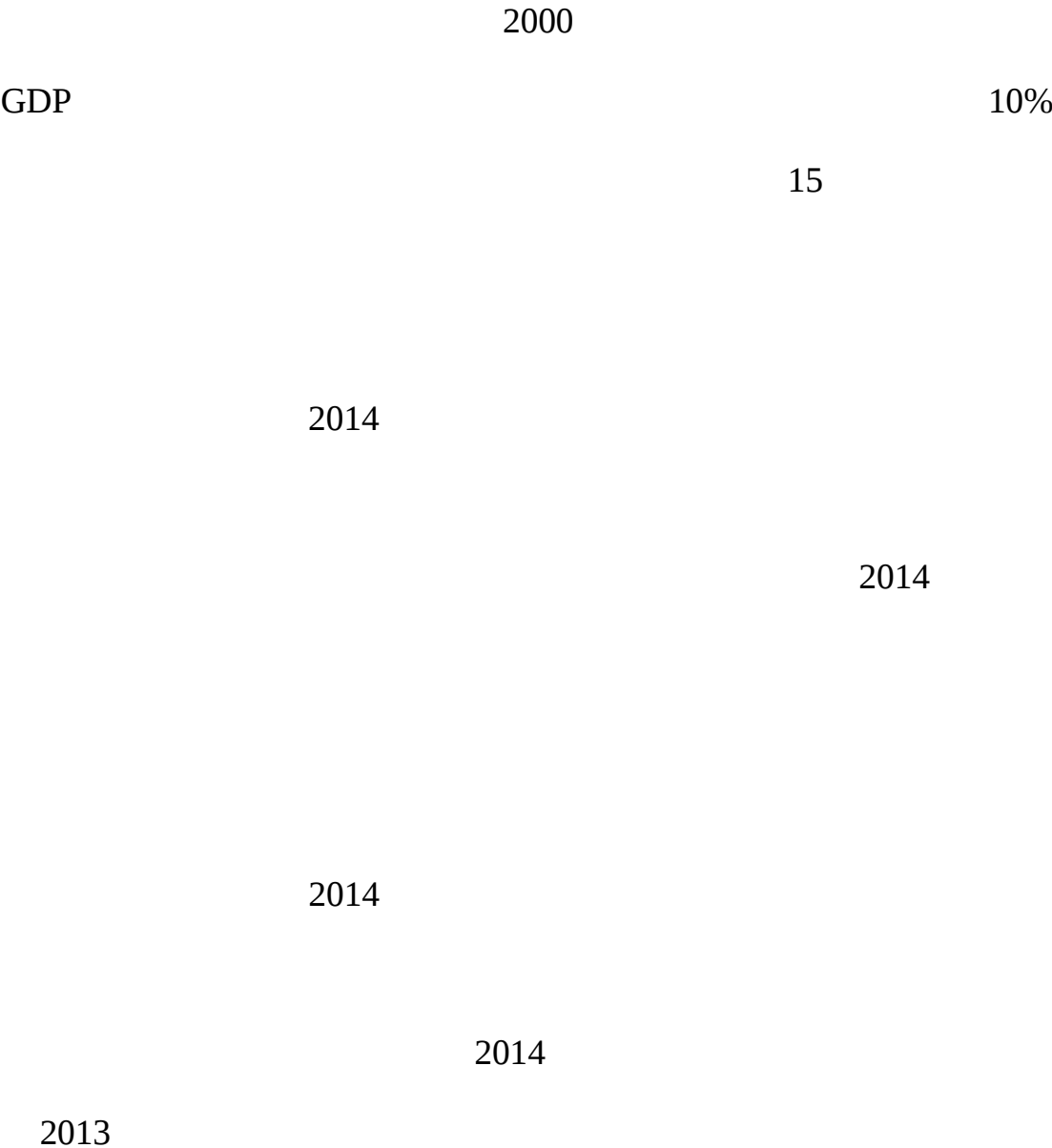
22.

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1. (002158): (2014-05-29)
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2013

2014

6600

1000

80%

62.2%

48.5%

44.8%

2020

60%

45%

2013

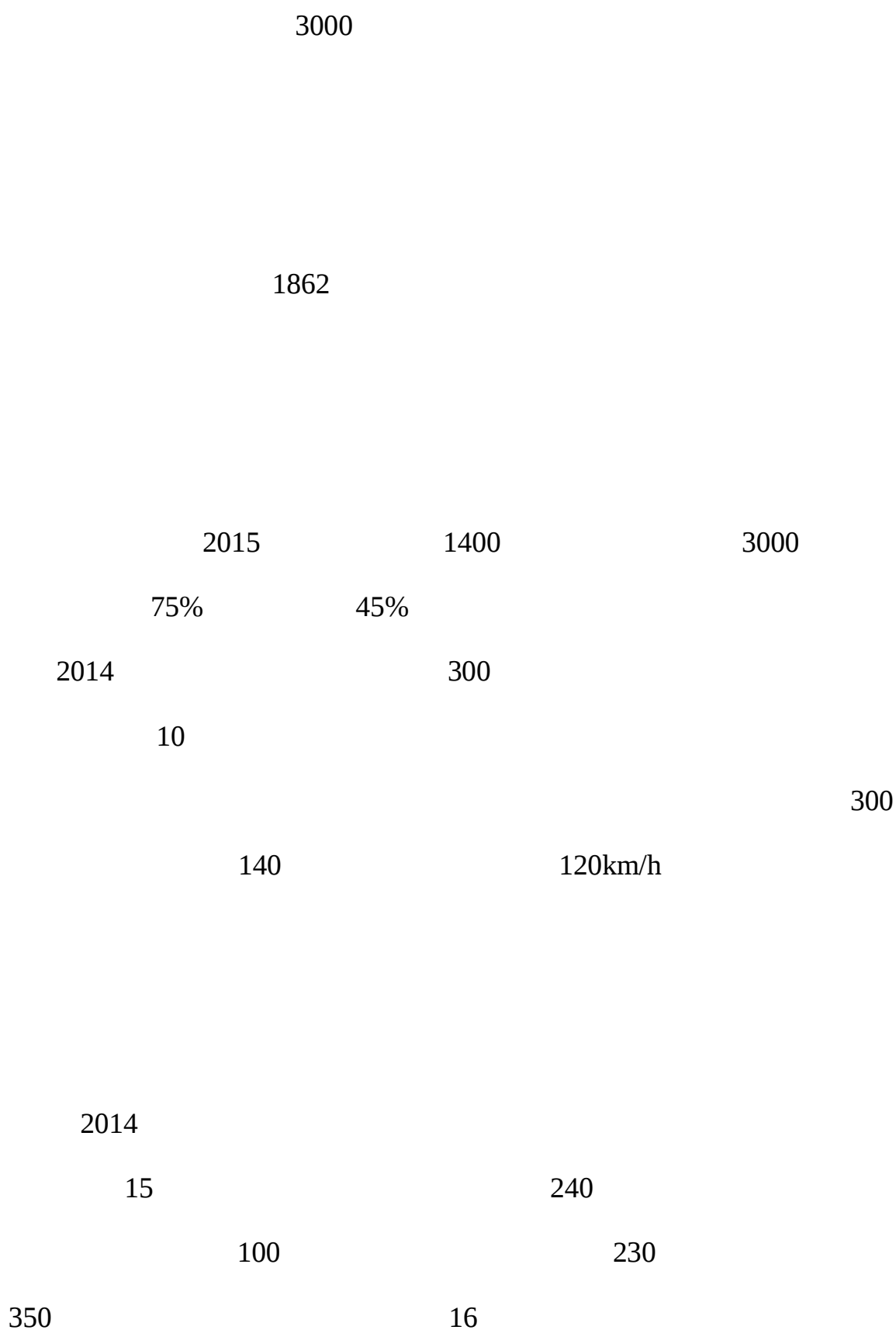
2013

918.48

29.4%

800

4



		3		160	
	2015			4000	
2013	2015			4000	2015
	2500		88		
20					6100
2014	33		15		4000
				700	
2014					700
580	120				
	4		600		
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375					
		3143.78			
		87		3143.78	
12	1879		2082		53
5018		971		13	70
	6	3.78		3	17
	2014		650		

650 2014

1900 2000

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700

500 4151

2014

500 2.88 2014

4151

2014 9000

2014 9000

6000 1000 2000

400 85%

600 86%

2014 6

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2014 2015 GDP

3.9% 2% 2% 2% 5% GDP

4% 3.5% 2014 2015

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2015

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21%

2015

2.5

1100

2200

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2.5

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6

2015

230

260

2015

200

30

(HFCs)

2.8

<http://www.compressor.cn/News/hyqx/2014/0530/73226.html>

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2590

6 10

2014-2015

LG

16

1.7

7548

4669

967

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12 30 16

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LG 4 5 11

http://bao.hvacr.cn/201406_2047497.html

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2014 4134 22%

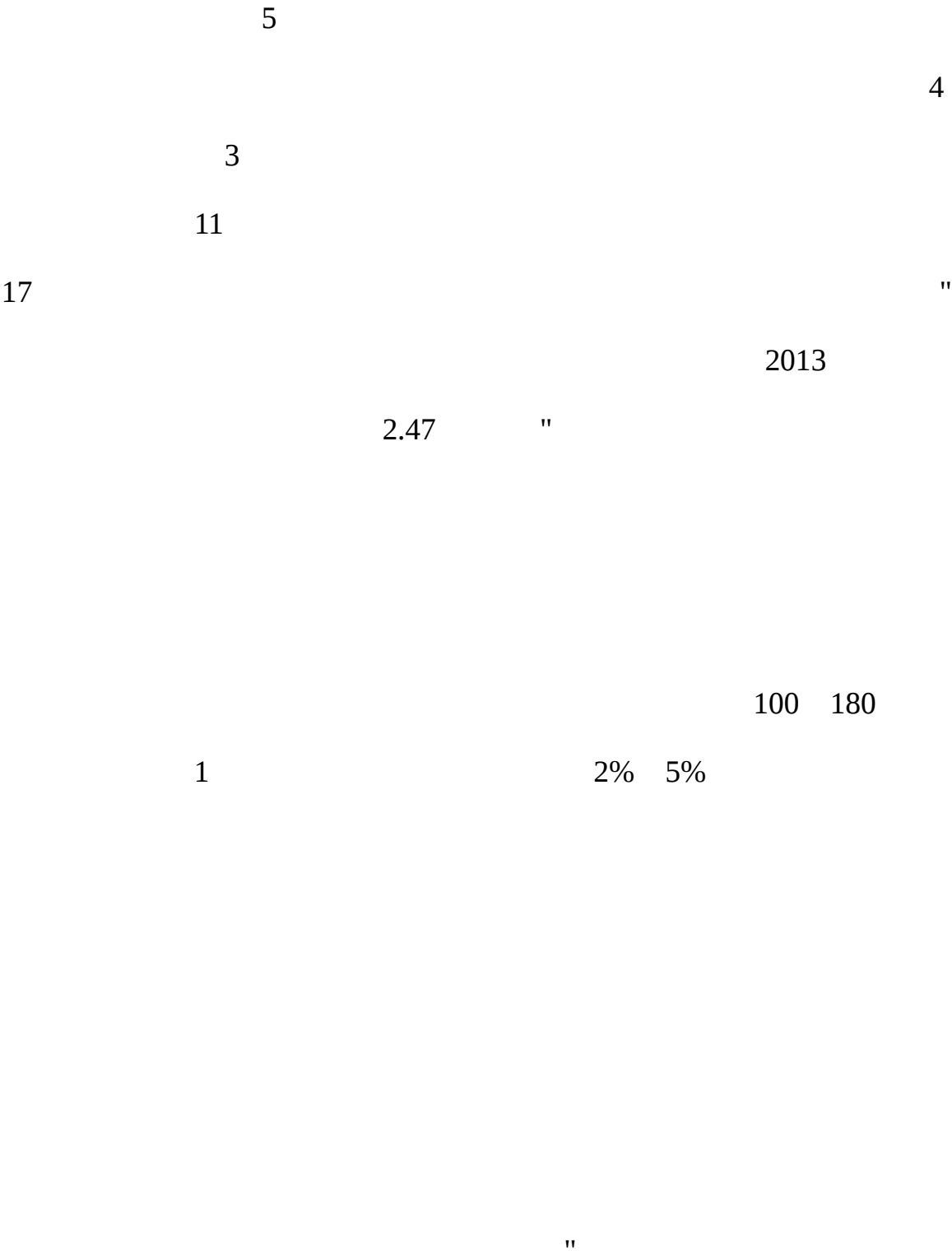
2013

http://www.chinahvacr.com/News/Class1/201405/News_3108359.shtml

5 R290

R290

			R22	R410A	R22	
HCFC						
	2013	HCFC	2009	2010		2030
	HCFC				R410A	
	R410A				R410A	
						HCFC
					1.2	
			R290		R22	3000-4000
						30
			700	-800		



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1795 2418 924 1527 1917

2009 ;2010

;2011 ;2012

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2009-2014

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50% "

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2 3 50%

http://www.chinahvacr.com/News/Class1/201406/News_3111277_2.shtml

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CBD

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2017

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30%

50%

50%

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([2010]110)

(2013)

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([2006]839)

([2007]887)

http://bao.hvacr.cn/201406_2047408.html

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http://www.chinahvacr.com/News/Class1/201406/News_3111216.shtml

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7%

7%

http://www.chinahvacr.com/News/Class1/201406/News_3111210.shtml

10

20-30

GB-50236

http://www.chinahvacr.com/News/Class1/201406/News_3111023.shtml

11

14	22	9	12
R290	3	3	R290
6	7	R410a	
		2015	10430
HCFC-22	18	R290	R290

		7300	HCFC-22	
70%	R290	HCFC4600	R410A	
HCFC2700				
		2013	HCFC	2009
2010	2030	HCFC		
		2030		
		R22	HCFC	22
			R410a	R22
			R410a	
R410a				R22
		R290		
				R22
HCFCs				
		R410a		
R290		2014		
	(	)		2015
HCFC		10%		
		HCFC		R290

2013 7

R290

22a 22-A R-22a HC-22a CARE40

R290

R410a

GB9237-2001

R290

2006

R290

2013 5 1

IEC60335-2-40

R290

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R290

R290

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R290

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R290

R290

R290

2011

R290

2013

R290

R290

10-9

10-6

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R290

R290

R290

HCFC

R22

R290

3%

R290

R290

R22

30

700

800

50% R290 R22 R410a ; R290 R22

R290 R290 R290

CFC12

R600a R600a

http://www.chinahvacr.com/News/Class1/201406/News_3111008.shtml

12

28 4

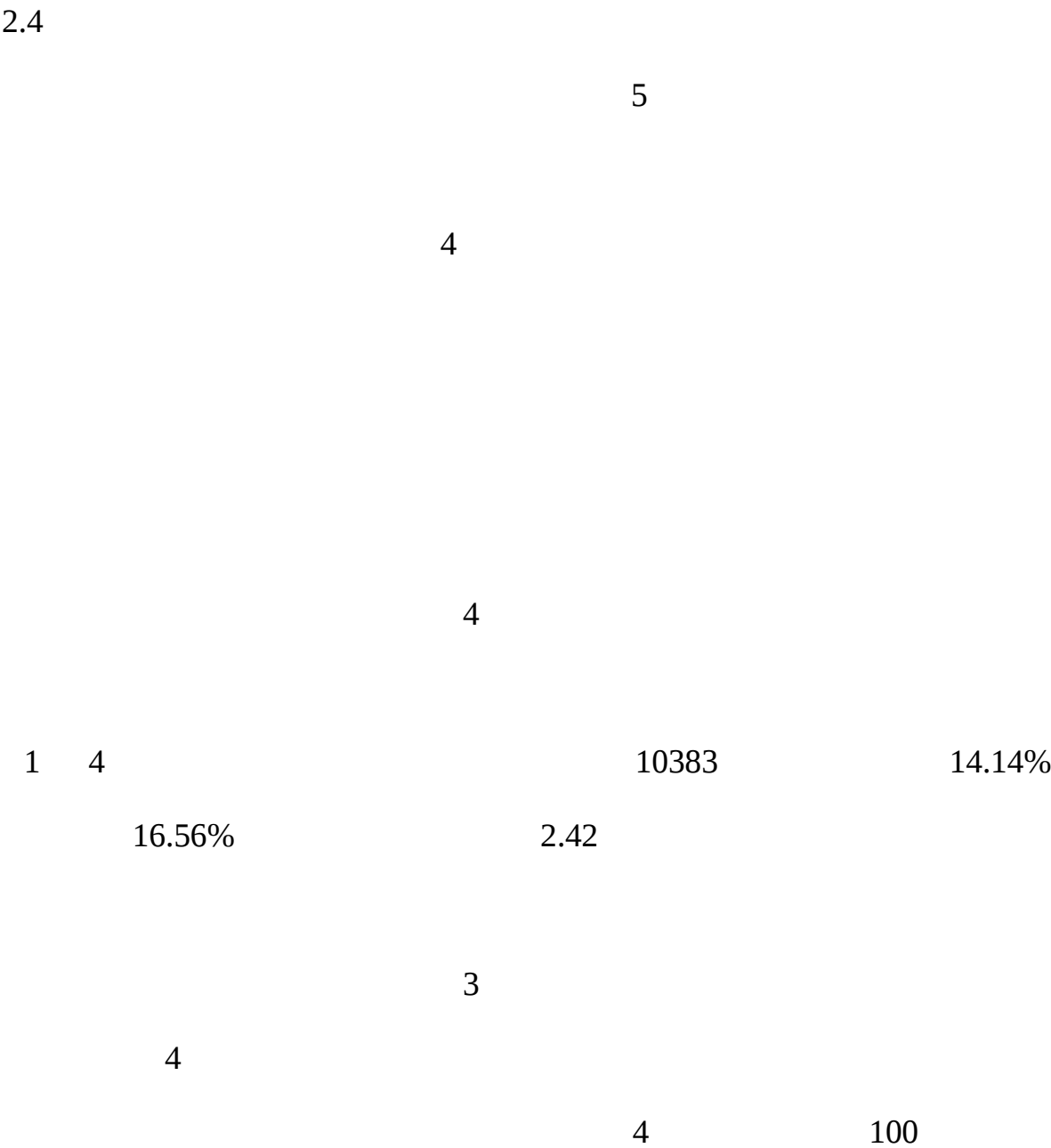
28

2011

2013

1	4	11.5%
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8.7% 2.8 9.1%



0.02MPa

2.0MPa 4.0MPa

90kW 710kW

4 JB/T 8935-2014

a) GB 22207-2008

b)

c)

5 JB/T 6430-2014

2.2 kW 630 kW

0.3 MPa(0.5 MPa) 0.7 MPa(0.8 MPa) 1.0

MPa 1.25 MPa

1.6MPa

<http://www.compressor.cn/News/hyqx/2014/0527/73195.html>

2015 2100
260

20%

85%

2015

8370 8510

<http://www.cm188.com/news/16827.html>

15

2014

2008

4

4

<http://www.cm188.com/news/16716.html>

16

50

1.2

4

2011

20

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2010 6

2011 5 2

1)

PM 99.99995%

6 /

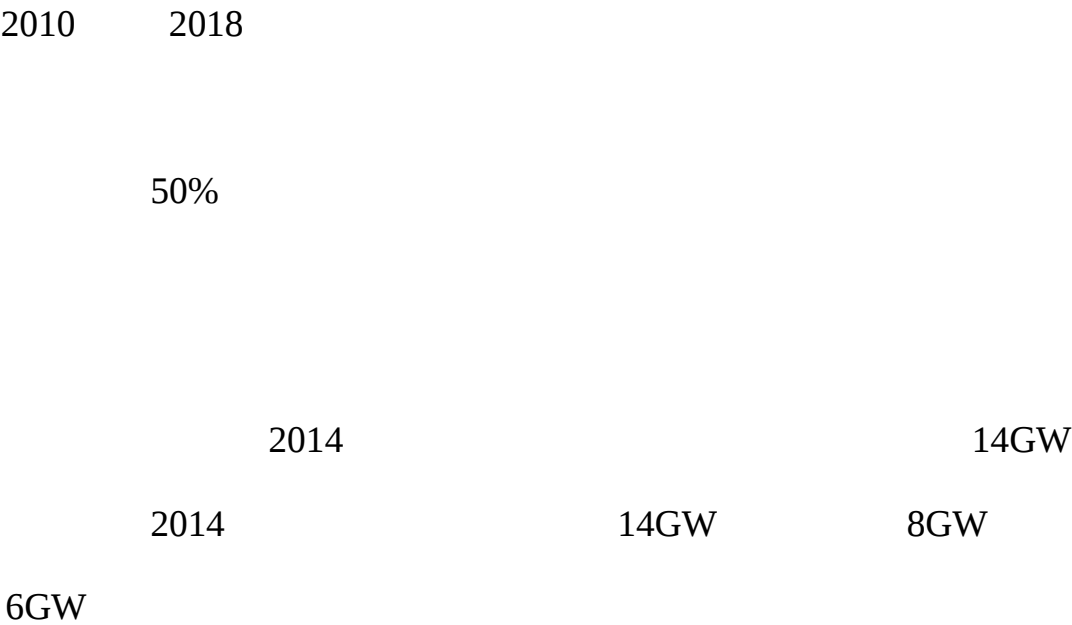
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http://www.chinahvacr.com/News/Class1/201406/News_3110432.shtml

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NPDSolarbuzz

2013

2014

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http://www.chinahvacr.com/News/Class1/201406/News_3110486.shtml

19

10GW

16

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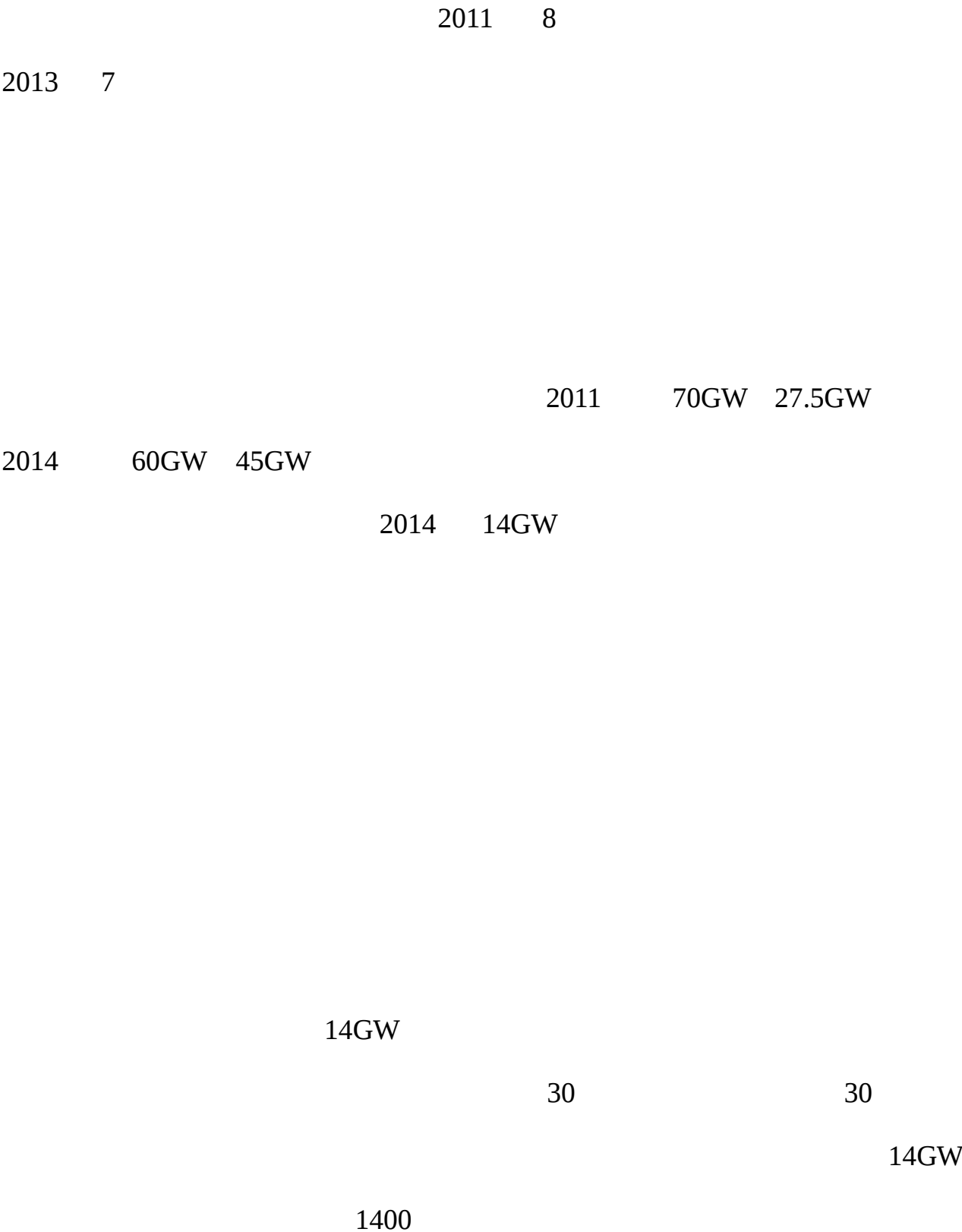
12

7

1000

http://www.semi.org.cn/pv/news_show.aspx?ID=14390&classid=12

20

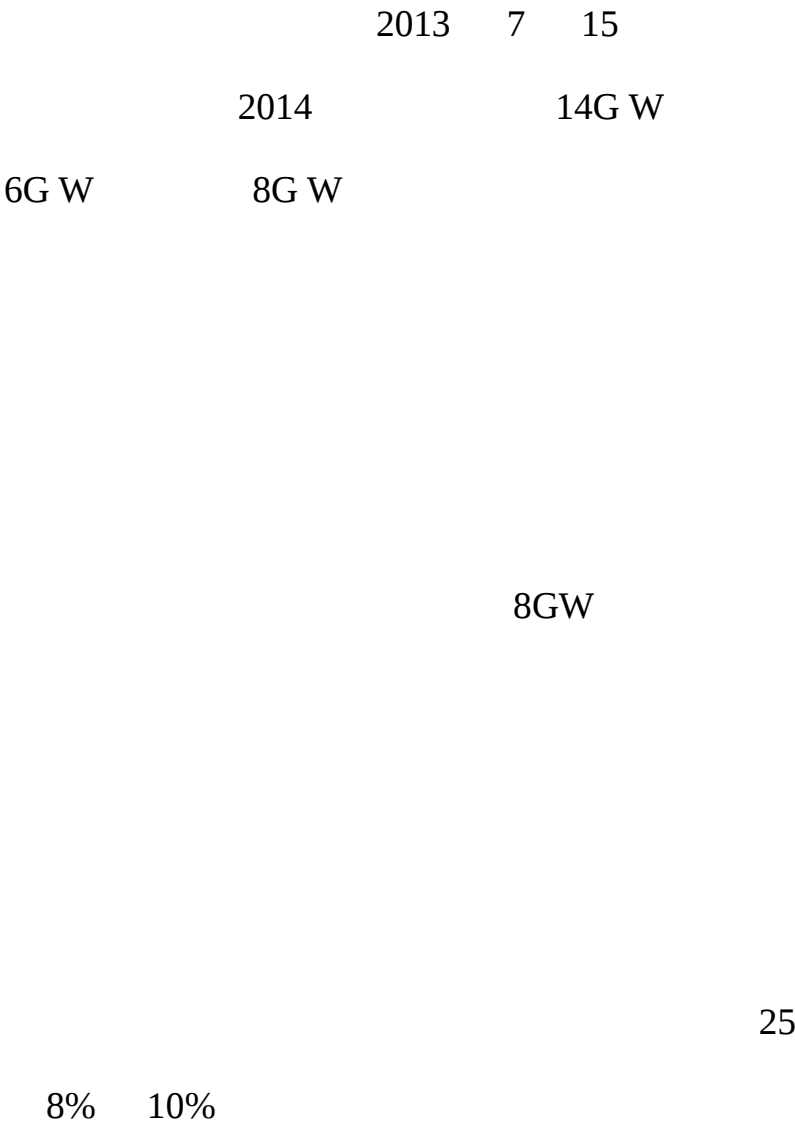


http://www.semi.org.cn/pv/news_show.aspx?ID=14192&classid=12

21

20 SNEC (2014)

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6

2013	11	2014
	12GW	8GW
4GW		6GW

http://www.chinaequip.gov.cn/2014-05/21/c_133349129.htm

22

6 3

18.56%

35.21%

2012 11

6 4

http://www.chinaequip.gov.cn/2014-06/06/c_133387037.htm

23

6 2

500

SVG

6 2

500

SVG

7

1G

40

SVG

http://app.semi.org.cn/a/technology/ic_pv_elect/53136.html

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2

2010

2011

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3

JB/T6430 3

GB19153 3

GB19153 3

JB/T6430 1

1

表1 GB19153规定的3级能效风冷喷油螺杆空压机的机组输入比功率与JB/T6430规定的比功率对比							
	3级能效标准 机组输入比功率	JB/T6430 -2002规定 比功率	风扇功率 比例	Y2系列电机 效率	把JB/T6430-2002规 定的比功率换算成机 组输入比功率	GB19153规定/ T6430规定的 实际比值	
22-7bar	8.4	6.6	1.04	0.905	7.58453	1.107517	
22-10bar	10.3	8.6	1.04	0.905	9.882873	1.042207	
22-12.5bar	11.6	9.7	1.04	0.905	11.14696	1.040642	
45-7bar	8.4	7	1.04	0.928	7.844828	1.070769	
45-10bar	10.3	8.6	1.04	0.928	9.637931	1.068694	
45-12.5bar	11.6	9.7	1.04	0.928	10.87069	1.06709	
55-7bar	7.9	6.7	1.04	0.93	7.492473	1.054392	
55-9bar	9.9	8.4	1.04	0.93	9.393548	1.053915	
55-10bar	11.1	9.4	1.04	0.93	10.51183	1.055953	
110-7bar	7.6	6.5	1.04	0.945	7.153439	1.062426	
110-10bar	9.6	8.2	1.04	0.945	9.024339	1.06379	
110-12.5bar	10.7	9.2	1.04	0.945	10.12487	1.056804	
200-7bar	7.2	6.1	1.04	0.949	6.684932	1.077049	
200-10bar	9.3	8	1.04	0.949	8.767123	1.060781	
200-12.5bar	10.5	9	1.04	0.949	9.863014	1.064583	

1 GB19153 3

JB/T6430 3 4.22%-10.75%

3

GB19153 3

JB/T6430-2002

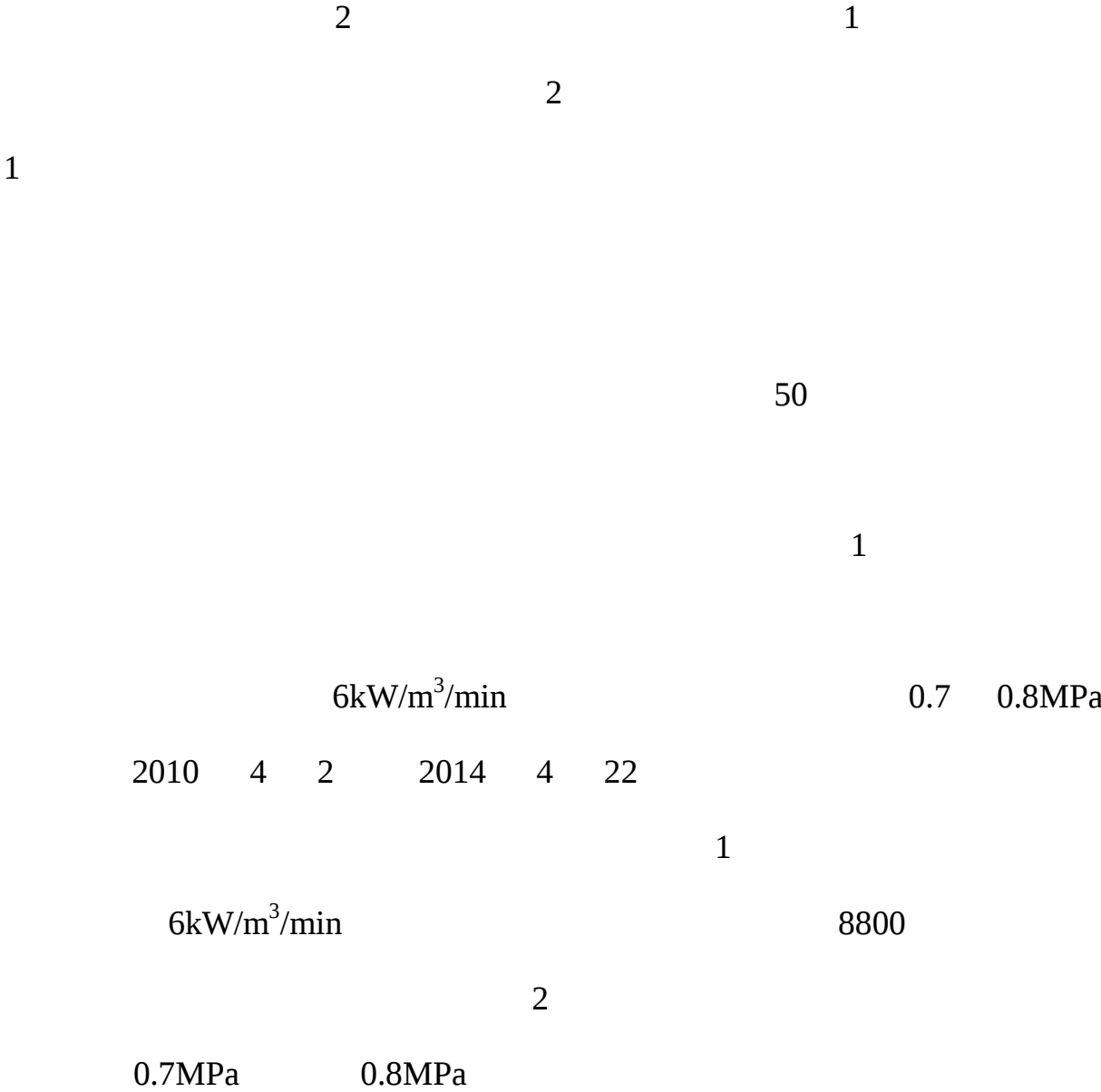


表2机组输入比功率小于等于6kW/m³/min)的喷油螺杆空压机备案数据

备案产品型号	生产者	能效等级	机组输入比功率	换算到排气压力0.7MPa	相当于JB/T6430规定的比功率
GE200W-41/8-II	广东正力精密机械有限公司	1	5.7	5.3	5.05
GE250W-54/8-II	广东正力精密机械有限公司	1	5.7	5.3	5.05
JN200AW-38/8-II A	浙江开山	1	5.7	5.3	5.05
JN200W-41/8-II A	浙江开山	1	5.7	5.3	5.05
JN250AW-45/8-II	浙江开山	1	5.7	5.3	5.05
JN250W-54/8-II	浙江开山	1	5.7	5.3	5.05
KHE200W-41/8-II	浙江开山	1	5.7	5.3	5.05
KHE250W-54/8-II	浙江开山	1	5.7	5.3	5.05
KHE200A-38/8-II	浙江开山	1	5.7	5.3	5.05
KHE250A-45/8-II	浙江开山	1	5.7	5.3	5.05
KHE200W-41/8-II A	浙江开山	1	5.7	5.3	5.05
KHE250AW-45/8-II	浙江开山	1	5.7	5.3	5.05
KHE250W-54/8-II	浙江开山	1	5.7	5.3	5.05
KHE200A-38/8-II	浙江开山	1	5.7	5.3	5.05
KHE250A-45/8-II	浙江开山	1	5.7	5.3	5.05
QGD90L WC	昆山昆泰克	1	5.8		
SCR100DW-7/CM	上海斯可络	1	5.8		
GE200-41/8-II	广东正力精密机械有限公司	1	5.9	5.5	5.22
GE250-54/8-II	广东正力精密机械有限公司	1	5.9	5.5	5.22
GE250A-45/8-II	广东正力精密机械有限公司	1	5.9	5.5	5.22
JN200-41/8-II	浙江开山	1	5.9	5.5	5.22
JN200A-38/8-II	浙江开山	1	5.9	5.5	5.22
JN250-54/8-II	浙江开山	1	5.9	5.5	5.22
JN250A-45/8-II	浙江开山	1	5.9	5.5	5.22
KHE200-41/8-II	浙江开山	1	5.9	5.5	5.22
KHE200A-38/8-II	浙江开山	1	5.9	5.5	5.22

R110IE_A7.5	英格索兰(中国)	1	6		
R160I_A8.5	英格索兰(中国)	1	6		
KHE_A7.5	英格索兰(中国)	1	6		
R132IE_W8.5	英格索兰(中国)	1	6		
LG132A-8	浙江红五环	1	6		
JN110W-24/8-ⅡA	浙江开山	1	6		
JN132W-28/8-ⅡA	浙江开山	1	6		
JN160-33/8-Ⅱ	浙江开山	1	6		
JN160W-33/8-ⅡA	浙江开山	1	6		
KHE110W-24/8-Ⅱ	浙江开山	1	6		
KHE132W-28/8-ⅡA	浙江开山	1	6		
KHE160W-33/8-ⅡA	浙江开山	1	6		

2

6kW/m³/min

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2

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2

0.8MPa

5.7kW/m³/min

0.7MPa

5.3kW/m³/min

JB/T6430

5.05kW/m³/min

3

0.7MPa

5.3kW/m³/min

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			0.2MPa	0.25MPa	0.3MPa	0.35MPa
0.4MPa	0.45MPa	0.5MPa				
		0.8MPa				LG132A-8
	6kW/m ³ /min		0.3 MPa			
3.57 kW/m ³ /min		132kW				
	144.5kW				144.5	3.57=40.48 m ³ /min

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PC		IBM	

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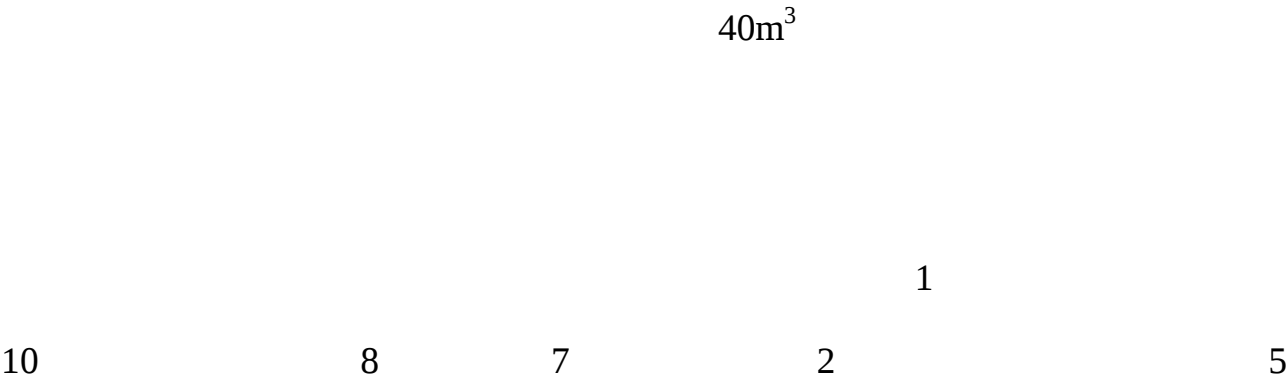
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88hp

R410A

R22

1.6

210mm

450mm

2014

6%-8%

MPPT

IPLV

11.68

40%

99.04%

6%-8%

5

10ms

2014

2014

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IFD

PM2.5

PM2.5

2014

cop 6.7

8~35

7~45

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IDC

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http://bao.hvacr.cn/201405_2047116.html

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30m 20m 10m

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75%

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75%

80%

20% 50%

2.5

100

1000

45000m2

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22500m

2013

http://www.chinahvacr.com/News/Class1/201405/News_3107472.shtml

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(2004~2008)

EGG

2007

400 /

(2008~2009)

40 /

(2009~2010)

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90 /

(2011~2013)

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(2013)

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18 /

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0.3~0.4 /

0.6 /

0.9~1.0 /

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0.9 / 0.95 / 1.0 /
0.42 /
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8 / 1.5 /

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2013

	"	"		2007
2009			0.3GW.	
	2008~2009		2009	"
"			2011	2.5GW 2012
5.0GW.	2013			10GW(
)		3		10GW.
10GW	?			35~40GW
				25%~30%.
				" "
"	"			

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15%.

70%~80%

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6%~7%

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DCF

2

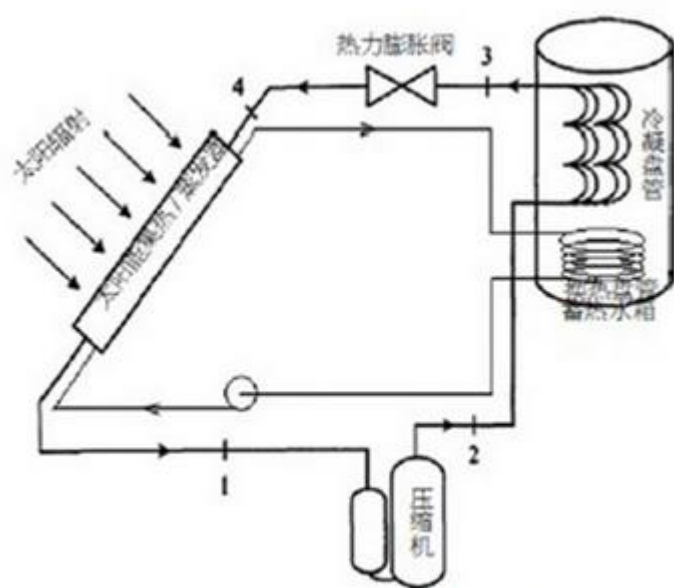
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http://www.chinahvacr.com/News/Class1/201406/News_3110430.shtml

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热泵太阳能热水装置原理

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COP COP

6.6 COP 1.8 2.2

<http://www.chinesevacuum.com/ShowArticle.aspx?id=44346&pid=39>

8

24 FINETECHJAPAN 4

FPD

FINETECHJAPAN

FINETECHJAPAN

2014

OGS InCell

Metalmesh

FINETECHJAPAN

FINETECHJAPAN

3M

60

DMC

70

6

OGS

CONJOINTTECHNOLOGYINC.

OGS

FINETECHJAPAN

JTOUCH

JTOUCH

ITO

JTOUCH

ITO

JTOUCH

Metalmesh

ITO

11

Metalmesh

24

180

8K

FINETECHJAPAN

4K/8K

NHK

2020

8K

FINETECHJAPAN

4KLED

NormanLao

LED

FINETECHJAPAN

FINETECHJAPAN

JTOUCH

JTOUCH

Metalmesh

FINETECHJAPAN

<http://www.chinesevacuum.com/ShowArticle.aspx?id=44349&pid=39>

1.

1934

MartinBitzer

2006

8%~9%

<http://info.hvacr.hc360.com/2014/07/171437529996.shtml>

2.

2014	6	4	.
		Nils Schmid	Gr ünderpreis
		17	Gr ünderpreis
	11	.	
		2005	.

.	1963		
	.	1979	
	250	3200	
		90	WirtschaftsWoche
	1500		
15			
.			
Sindelfingen, Rottenburg	Schkeuditz	Altenburg	
2014	Gründerpreis	.	

http://bao.hvacr.cn/201406_2047373.html

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(000651,)

IPLV 11.68

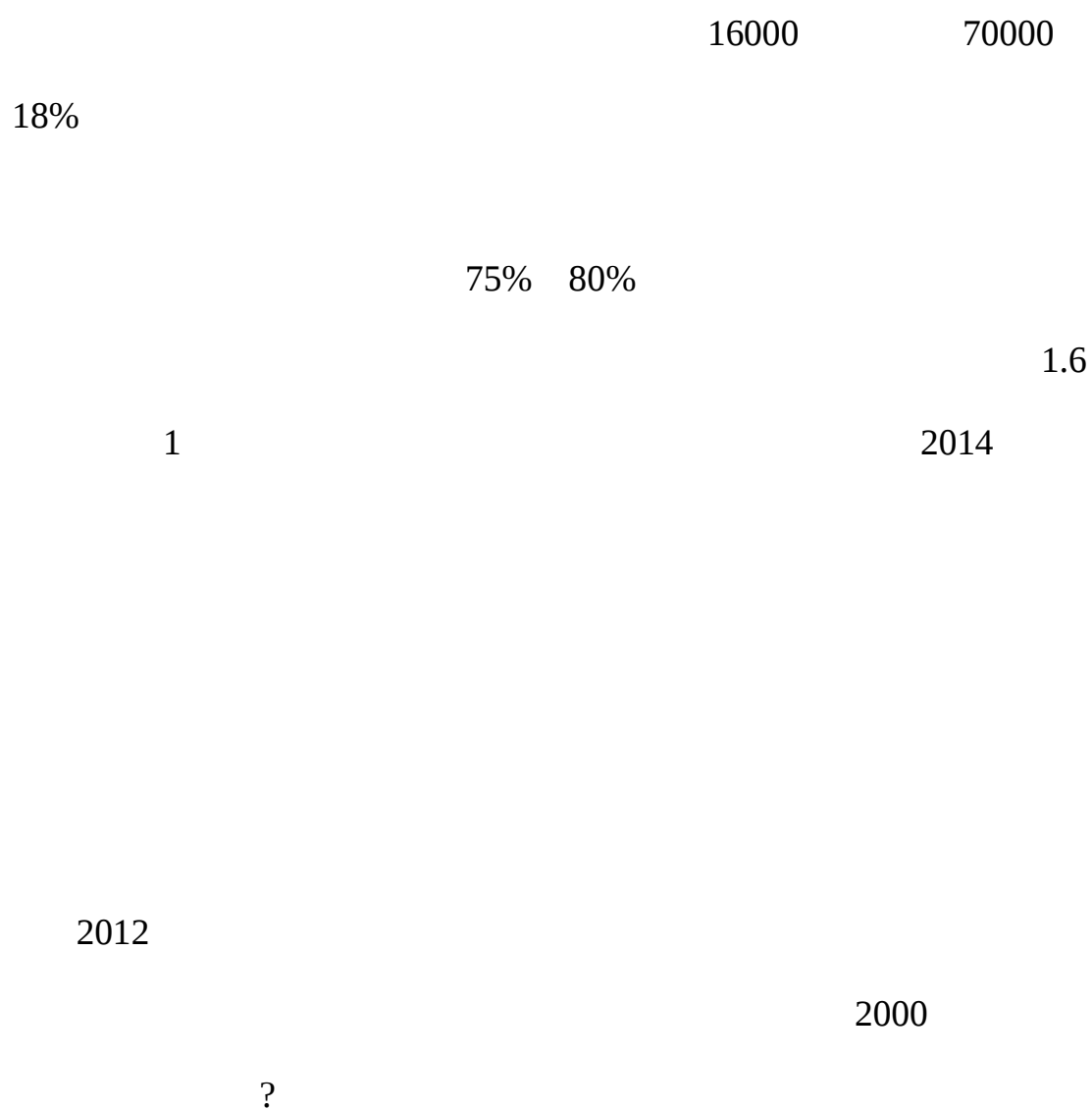
2013 12 21

2014 3 7

25%

http://www.chinahvacr.com/News/Class9/201406/News_3110358.shtml

4.	2.6				
		8.6	7	1.6	18%
	1				



		A			2012
2013		2215	2013		
11.5		2.5			
					2004
1016					200
2012					
					11.62%
246.67		68.86%	22.54		
21.5%	383.51		148.53%	25.39	
	8.97%	223.92	20.28%	8.67	

http://www.chinahvacr.com/News/Class9/201406/News_3110551.shtml

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COP7.11W/W

R134a

COP7 !

		WME	AHRI	COP	6.9
IPLV	12.3				

2013 2557

WME

http://www.chinahvacr.com/News/Class9/201406/News_3110269.shtml

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http://www.chinahvacr.com/News/Class9/201406/News_3110558.shtml

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2013 12

2014

2014

2014

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50000

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100 65

2015

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67000

atlas 17 -600

atlas 20-36

2000

http://news.gmw.cn/newspaper/2014-06/12/content_3386275.htm

11.

Nico Delvaux 2014 8 1

Nico

Ronnie Leten

Nico 1991

Nico Delvaux 2011

2015 6 30 2015 7 1

Nico Delvaux

Atlas

Copco AB

Nico Delvaux

1966

Handelshogeschool MBA

Nico

<http://news.d1cm.com/2014/07/16/071611035660697.shtml>

12.

2014 7 3 / / -- 6 30

(64.23, -0.27, -0.42%)

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2012

2012

140

<http://finance.sina.com.cn/stock/usstock/mtszx/20140703/102019596353.shtml>

上海漢鐘精機股份有限公司

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‘ , ‘

2014~2016	EPS	1.16	1.38	1.51
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,PE 29 25 22.5

‘ , ‘

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• ;

<http://finance.qq.com/a/20140718/048570.htm>

14.

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R22

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R14

130

(R14)

30

?

?

130

?

2004 2005

R22

2008

2011

2009

0.4m³ (-70 ---120)

2002 -130 -105

8

3%

30%

25%

40

10

10

10

2003

-23

2

()

?

50

20

0 4

30

http://bao.hvacr.cn/201407_2048604_2.html

15.

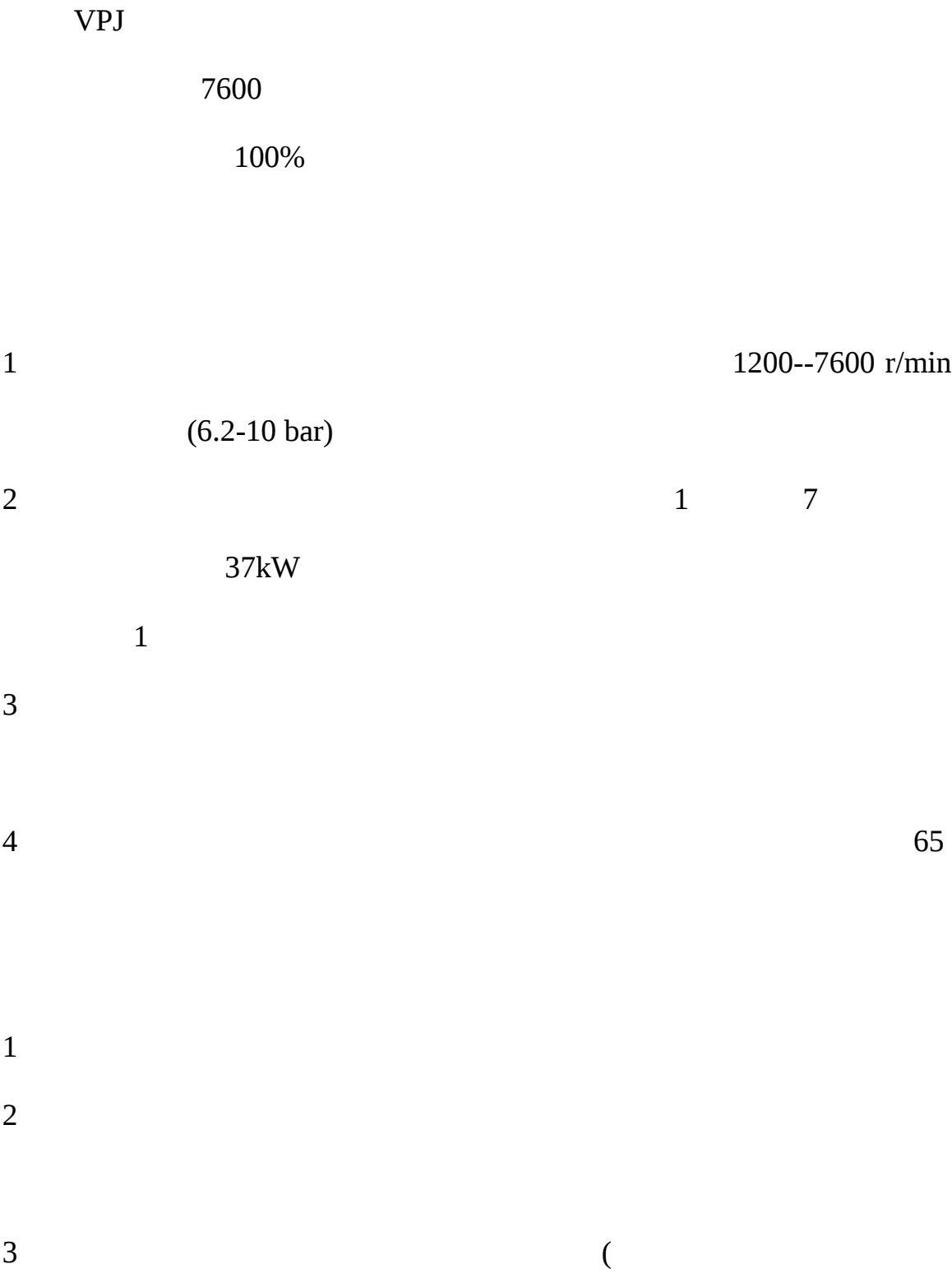
6

75%

1

260

5~12%



4

5

100% 2.3% 75% 41.5% 50% 46.1% 25%

10.1%

<http://www.compressor.cn/News/qyzc/2014/0708/73914.html>

16.

2014 5 26

20000

4.0

CEO

2016 6

<http://www.compressor.cn/News/qyzc/2014/0715/74027.html>

17.

7 14

7

UCON

AC

AC

AC32

<http://www.compressor.cn/News/qyzc/2014/0716/74053.html>

18.

6 19

GHH

MANN

22-35 bar (300-510psi)

<http://www.compressor.cn/News/qyzc/2014/0621/73619.html>

19.EDWARDS

Edwards 2014

2014 5 20 -- Edwards 2014

Edwards

RH-OB

(Vacuum Decarburisation Oxygen Blowing)

Edwards

<http://www.chinesevacuum.com/ShowArticle.aspx?id=44487&pid=39>

20. Edwards

2014 6 24 --

CPhl Edwards

Edwards

CXS

CXS

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Edwards CXS

Edwards EDP

EDP

Edwards

CPhI

Edwards

2000 Edwards

Edwards

Edwards

24

Edwards

2014 6 26 28 CPhI

Edwards

Edwards #N1A05 N1

2014 6 26 ~ 28

SNIEC

Edwards

Edwards

LED

Edwards	20	3,200	500
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Edwards

<http://www.chinesevacuum.com/ShowArticle.aspx?id=44888&pid=39>

21.

5	14	15	ISO9001	2008
			13	2
	13			

<http://www.chinesevacuum.com/ShowArticle.aspx?id=44762&pid=39>

22.

	SolarCity	•	Peter Rive
	Silevo		
	Twitter	SolarCity	
	SolarCit	CEO	
SpaceX	CEO		
	SolarCity		
	SolarCity		
	SolarCity		
	Silevo		
		 	Silevo
SolarCity	11%		
http://www.chinesevacuum.com/ShowArticle.aspx?id=44865&pid=39			

1.	(002158):						
	(2014-05-29)						
	2014-05-29						
	300033	002158	5	29	0.05%	18.30	
	0.69%	0.30		425		399	

436 523

18.39

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ISO 9001:2000

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<http://stock.10jqka.com.cn/20140529/c565774620.shtml>

2.

2014-05-21

2112	8448	2.3496
2013		
12 31	18,514.20	11,564.66
62.46%	6,949.55	37.54%

	2011	2012		
002158			15.49	13.54
	49.42	47.38,2013	45.75	
			2011	-2013
				0.77
1.16	1.42	0.30	0.34	0.58
	4.42	4.98	3.65	4.09

<http://yuanchuang.10jqka.com.cn/20140521/c565577108.shtml>

3.

2014-05-27

2013

	A	B		A
2012	15.81%	19.27%		
		2013	4	8
			2014	1
				13

				[1.41%	]
[0.33%	]	[2.95%	]		A
					D
*ST	*ST		*ST		[0.60%
	]				
		480			69
A			14.38%		334
B			69.58%		68
C			14.17% *ST	9	D
			1.87%		
		701			147
A			20.97%		480

http://finance.ifeng.com/a/20140527/12413952_0.shtml

4.

2014-06-02

WWDC 2014

6 5

WWDC 2014

6 2

★★★★★

WWDC 6 2

iPhone NFC()

A

NFC

6 5 -7

2015 3500

2015 300

O2O

280 7

2014

280

7

2014 4 3

4.33%

B H 6 3 B

B 2014 6 4

	2014	6	3		B		B
					6	5	
6	5						
		A					
			117				
6			117				
	20%	26			61%		
					17%		
				6	19		11.5
			2.05		23.58		

：，，

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22，340；

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，，

33.3%，1；，

；15.92%，1.8

，

1.38，1.68，，

，

118%，

,Q2

:1)，，

201430%；2)&

，20%，

20%15%；3)

；4)，2014

，，,2014

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20133，

，

2014~2015 0.8 0.96 1.14

, 2014 PE 20 , ,

:

<http://finance.qq.com/a/20140505/015980.htm>

6. : ,

2014-05-20

2013

9.5%, , 24%,

25%, ,

,2013 2012

2014 ,

2014 8~10%,

: 1) ,

, , 2)

, 3) ,

, ,2014

, 10 2013

1 , , :1)

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LB , LT , 60 ,

2)

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3

, 2014

2013 ,

3

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,2013 40%,2014Q1 43%,

15%~45%, 2014~2016 EPS 0.8 0.96

1.14 , PE 22 18 15 , 15~45 ,

35 ,2012 , 15 ,

,20 !

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<http://finance.qq.com/a/20140520/039611.htm>

7.

2000

2014-06-09

3 [-0.55%] 3.2 3.65

A

20%

5 6

	5		2.18	
4	3.1%	1.5%	1.2	4
4.8%	5.4%	0.98	2.9%	2204
70.3%				

2014 6 16

[-0.96%]

2014 3 A

A [-0.54%]

2552

A

RQFII 359

300

1005

50 330

180

145

100

68

500

111

[-0.91%]

[0.00%]

[-0.04%]

[-0.93%]

[-0.30%]

6 16

15% 20%

2014

/

[-0.31%] 000811 9.64 [-1.34%
] 000530 8.85

/

[-1.87%] 3

[-2.15%] 002158 15.46

http://finance.ifeng.com/a/20140609/12499121_0.shtml

8. 2014

2014-06-09

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2010 ， ，

25 / ； ，

180 / ， ，

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(300024)

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34.9 14.7 15 15.6)，

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<http://finance.qq.com/a/20140609/011231.htm>

9.

2014-06-13

11

12

2020

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5

, 130 / ,

;5 8%, , ; :

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http://finance.ifeng.com/a/20140612/12527023_0.shtml

10.

2014-06-16

CalEnergy

10

5

56

NV

NV

2025

25%

A

13

2030

800-900



70%

30%

14

6

7 1

200

100

11

300

<http://finance.qq.com/a/20140616/012214.htm>

11.

2014-06-23

002639

4000

43,360

10.84 /

29,000

100%

14,360

7,921.30

2.9

86750

7921.30

2012 7 2012 11

2012 12

2013

40370

13

13

2800

4

8000

5 10

1.4

300257.SZ



12.	7	1	8	
2014-06-26				
300033			7	1
2012		40%		
	2006	12	2013	4 15
				000811
000530	002468	002158		002413
002011	600619	600481		

<http://yuanchuang.10jqka.com.cn/20140626/c566273653.shtml>