

1. 2015

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FRIGOBLOCK

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1 2015

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2014 12

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9.8 10

9 30

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2014 2013 53.4%

11 11 21

28

12 5

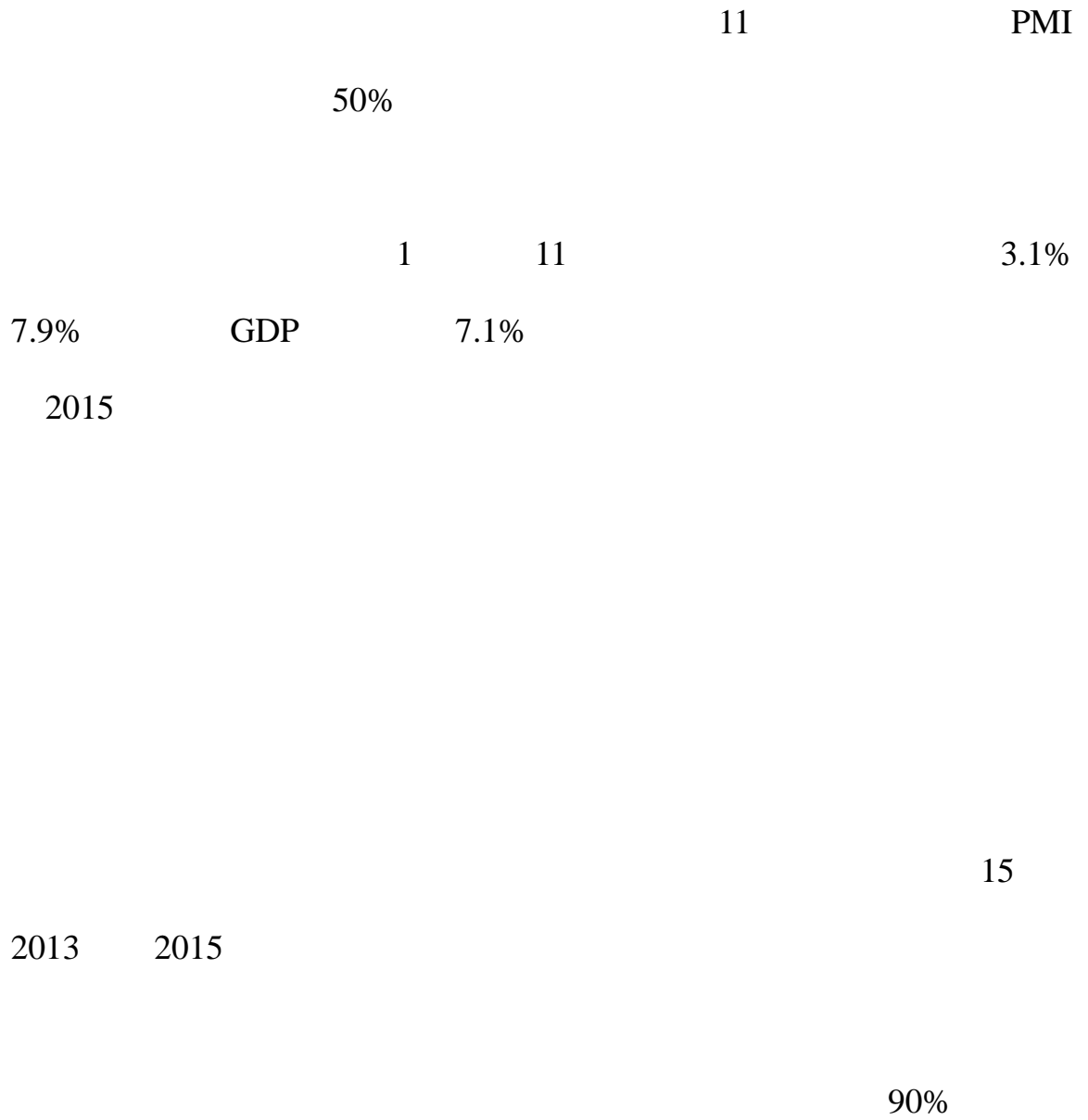
9

5%

2014

11 4

GDP 2018



2013 2015

32%

29%

290

3

7%

5%

2014

1949

7

80

90

(,)

36

1978 1998

98 2013

2015

2015

2015

2014

2015

2015

80 90

740

2015

2015

2015

2015

2015

2015

2015

2014

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2013

2014

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4S

2014 2 20

CPC/CPD/CPE40-120HP

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CPM7-100HP

CPN7-100HP

125-760HP

;

Sanjeev Sharma

CPX

1987

2000

()

9 30

CPO150-180HP

CPR180-340H

CPT340-480

CPTT480-760HP

150-340HP

6

VPJ

7600

100%;

5~12%

8

2006

2013

2014

ComVac ASIA2014

7 3

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12

2000

APEK

2014

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() () (2014)

2011

Dresser Rand

Dresser-Rand

2007 70

Dade Behring

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Ash Air()

Fox Air

MBAR 2011

Ash Air

2013

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Nico Delvaux

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2013 5

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2016

IHI-SUL-LAIR(

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2445

· RB211

· 2013 2800

· RB211

RB211 70

2014 6 26 400 11

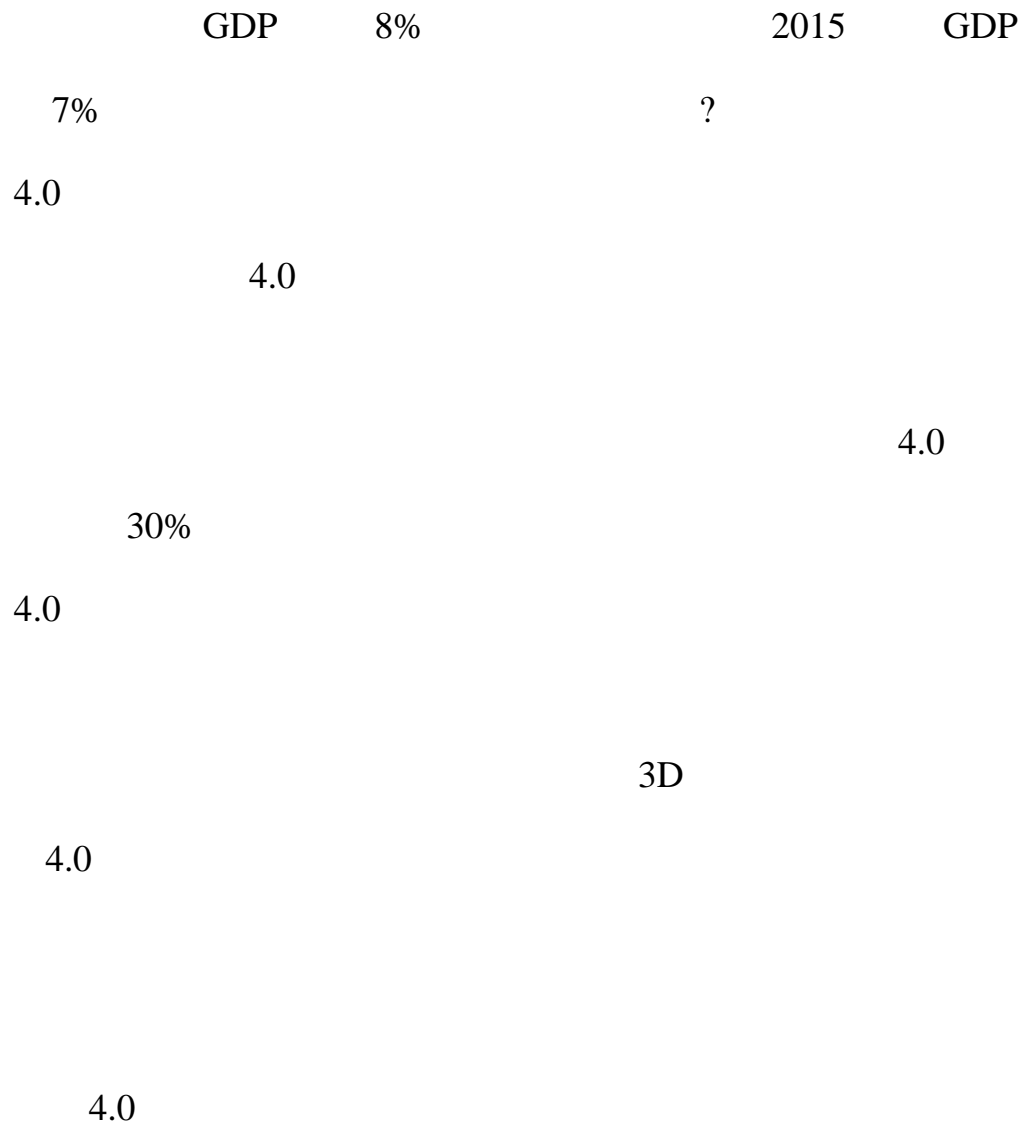
10

1023

11

2.5

50



iKaishan

SmartLink

0.4

0.25

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GDP] TJET EMC /P A MCID 335BDC BT/F5 14.04 Tf1 0 0 1 2045

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2014

2015 2

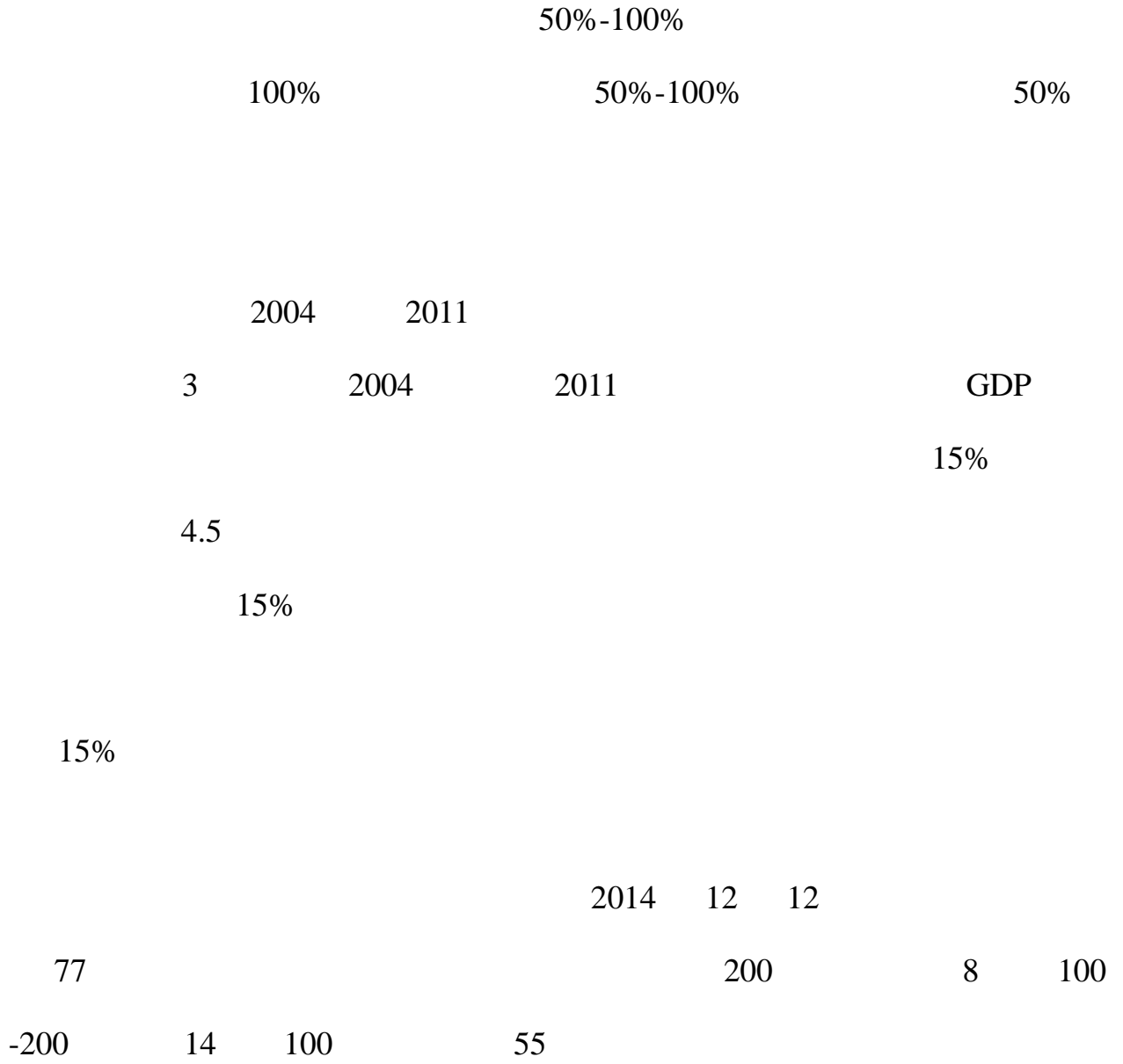
4

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6

12 27

21



35

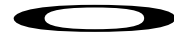
6

PPP

10

0.9% ≤ 7.6% 1.8% 7.2% 2013 6.6 0.9 7.8

27@+U+2Ó Ä[š÷ ÜöFP } fdr % îñ•



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2014

600

		2014		11.6	
	2000	3500			
2014		54	7000	2014	
	1				
	3	6.7	7.7	7.4	
()				2015	
		13%	200		
				2014	
		21%	21%	20%	
	3				
()					
2014					
				8	8.5

2015 2 12

4.4.7

4

1

2

3

4

5.4

5.4.1

5.4.2

5.4.3

1

2

1

2

5.4.2

10%

10%

10%

1

1

2

1

2

3

<http://news.ehvacr.com/news/2015/0228/94743.html>

7

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<http://news.ehvacr.com/news/2015/0228/94741.html>

8

25 82 2015

10% 2015

R22 10% R22

R22

R22

2030

2015 10% 2025 67.5% 2030 2040

R22 80 50

27 R22

20 R22

10 4.5

R22

4.5 R22

2 3000 HFO-1234yf

3000 10

R22

HFO-1234yf

<http://news.ehvacr.com/news/2015/0302/94745.html>

9

2015

2015

2015

8%

2014

2014

()

2014

8.3%

2013

2

7.2% 7.2% 11.4% 9.6%

8.23

1704

24.9

4417

0.9% 7.6% 1.8% 7.2%

2013

6.6 0.9 7.8

2.7

()

2014

304

40%

0.9%

2053

1.5%

7652

8.5%

		69%		4770		
4.8%						
	12.4%	13.7%		11.6%		
					12%	
()						2014
	83.1		16.1			
			12	316 /	39	1-12
		2.6%		188		
	77%					
()				2014		
		1.56	6910		10.5%	4.6%
	4.1	15.2			1.46	
14%						
		3.8%	17.8%	18.7%		
()				2014		
		600				
		0.02				
					1.2%	16% 9.1%

2.2% 3.2% 5.5%

144 /

()

()

2015

13%

200

2014

21% 21% 20%

3

()

2014

8 8.5

10%

2014

2015

2015

2015

8%

2015

29.4

19

42

1.8

1.2

19.3

27.23

1.63

24.69

80

7-12

40-45

2011 2 1

4543

1.2

27

1000

40

40

<http://news.ehvacr.com/news/2015/0202/94607.html>

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2014

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2014

106

204799

1.5P

10P

1.5p

5

1.5p

2p

3p

5p

4

106

2014

5000

MX6

MX6

<http://news.ehvacr.com/news/2015/0213/94706.html>

12

10

6 11

2015

25%

2017

4700

2014

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<http://news.ehvacr.com/news/2015/0211/94699.html>

2015 2 2

208

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3836

208

<http://news.ehvacr.com/news/2015/0209/94668.html>

14

2014 12 22

(2014 30)

(GB/T 31080-2014)

2015 7 1

()

<http://news.ehvacr.com/news/2015/0120/94461.html>

15

1

20%

2015-2020

2013 26.095

37.58%; 432.76 26.00%

2008

2013

437.08 21.37%; 416.09

22.%

2013 21.37%

2013 22.23%

2015 2

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1 10

9000

2014 12

2014

3047 517 TJ6 0 1 91.344 478.87 T75 191-B9/MCID 27-BDC1C2C1 30074D00452903B8

2 1.2

6000

4000

2014 1.9

2000 300

(APEC)

<http://www.compressor.cn/News/scdt/2015/0114/76998.html>

20

2014

13

2015

2015

<http://www.compressor.cn/News/gyjj/2015/0116/77020.html>

21

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<http://www.chinesevacuum.com/ShowArticle.aspx?id=48295&pid=39>

22

		3	16	2015
	2015			1780
10			50%	
2014				1400
800	600			
				2014
1060	855		205	
			2014	
2015		1780		2015

1780

4

2015

2014

http://pv.semi.org.cn/a/grid/snec_editcommend/25337.html

23

		60		250W	
255W		260W		275W	60
			260W~275W		280-285W

PV EXPO 2015

300W

12 11 12.3% 2120 MW EnergyTrend

250W

28% 17% 255W 14% 17% 260W 8%

11%

24

2015

2012

15

2015

2014

2

7

15

8

http://pv.semi.org.cn/a/grid/snec_editcommend/25303.html

25

GMP

<http://www.chinesevacuum.com/ShowArticle.aspx?id=48043&pid=39>

1 2015 10

2015 1 1

2014 12

17

2015 1

2014 4 15 408

GB/T 50378—2014 2015 1 1

GB/T 50378—2006

2015 3

2014 7 29 497

JGJ 343—2014 2015 3 1

5.3.2

2015 3

2014 9 1 539

CJJ/T 223—2014 2015 3 1

2015 4

2014 7 31 505

JGJ/T 347—2014 2015 4 1

2015 5

2014 10 20 599

JGJ/T

285—2014 2015 5 1

2015 6

2014 11 5 621

JGJ/T 346—2014 2015 6 1

2015 4

2014 9 29 568

JG/T 448—2014

2015 4 1

<http://news.ehvacr.com/news/2015/0112/94389.html>

-15 -25

30

100

<http://news.ehvacr.com/news/2015/0128/94567.html>

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[2014]7

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<http://news.ehvacr.com/news/2015/0121/94477.html>

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2014
10%
20%

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ROADSTAR

Lumikko

Helmut Meyer

http://bao.hvacr.cn/201410_2051872.html

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2015 1 6

313

313

4NFCY

2014

MSG

Michael W. Lamach

<http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=107&id=5392>

4

FRIGOBLOCK

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FRIGOBLOCK

2015 3 4

1

FRIGOBLOCK

150

4100

FRIGOBLOCK

FRIGOBLOCK

RayPittard

http://www.chinahvacr.com/News/Class9/201503/News_3120883.shtml

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2015 1 14 1 16

1 14

2014 12 8

800

2014

33

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<http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=107&id=5304>

7 ETC

12 18

() ETC

2014 5 23 12 18

253

37 () ETC

<http://www.mei.net.cn/shty/201412/589449.html>

8 : , ,

2014 ,

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5600 , 14.52%-17.75%;

900 , 2.33%-2.85%

2015 ,

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2015 3 7

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3 7

10.5%

68.5%

67.2%

4.0

4.0

CPS(

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2025

4.0

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2012

2015

4.0

4.0

4.0

3 7

http://www.chinahvacr.com/News/Class9/201503/News_3120918.shtml

CXH140

OEM

CXH140

CXH140

R410A

R22

CXH

COP,OEM

CXH

65kW

http://www.chinahvacr.com/News/Class9/201502/News_3120167.shtml

11

KZE1108DH-WC14101701

http://www.chinahvacr.com/News/Class9/201503/News_3120924.shtml

12

2015 1 26
2030

(GWP)

GWP

Didier Teirlinck

EcoWise

GWP

EcoWise

GWP

Opteon® XP10 (R-513A) R-134a

2018

120

300

http://www.chinahvacr.com/News/Class9/201502/News_3120041.shtml

14

PM2.5

http://www.chinahvacr.com/News/Class9/201501/News_3119684.shtml

15 4

2015 3 10

15W 18W

22W 37W 4

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CNAS

(ILAC)

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4 500

30W 55W 75KW

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<http://www.compressor.cn/News/qyzc/2015/0317/77915.html>

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SFR 5

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BRU SIG

KSG

2014 12

GMP



BLT-TMDD

BLT-TMDD

BLT-TMDD

BLT-TMDD

<http://www.compressor.cn/News/qyzc/2015/0204/77381.html>

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18t/h

18.5

28t/h

18t/h 18.5

;28t/h

MVR

<http://www.compressor.cn/News/qyzc/2015/0203/77346.html>

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GHS

VSD+

VSD



GHS

VSD+

GHS VSD+

VSD

GHS VSD+

50%

GHS VSD+

GHS VSD+

GVD 0.7-28

GVD 40-275

22

3D

2015 1 5

CE

SV200/SV300B

SOGEVAC

16m³/h- 750m³/h

<http://www.chinesevacuum.com/ShowArticle.aspx?id=47956&pid=39>

24

Maulburg - Geobra Brandstätter GmbH & Co. KG

(Dietenhofen) 450

29

36kW

350

36,000

6 Mink

Mink

Geobra Brandstätter

Busch

<http://www.chinesevacuum.com/ShowArticle.aspx?id=47509&pid=39>