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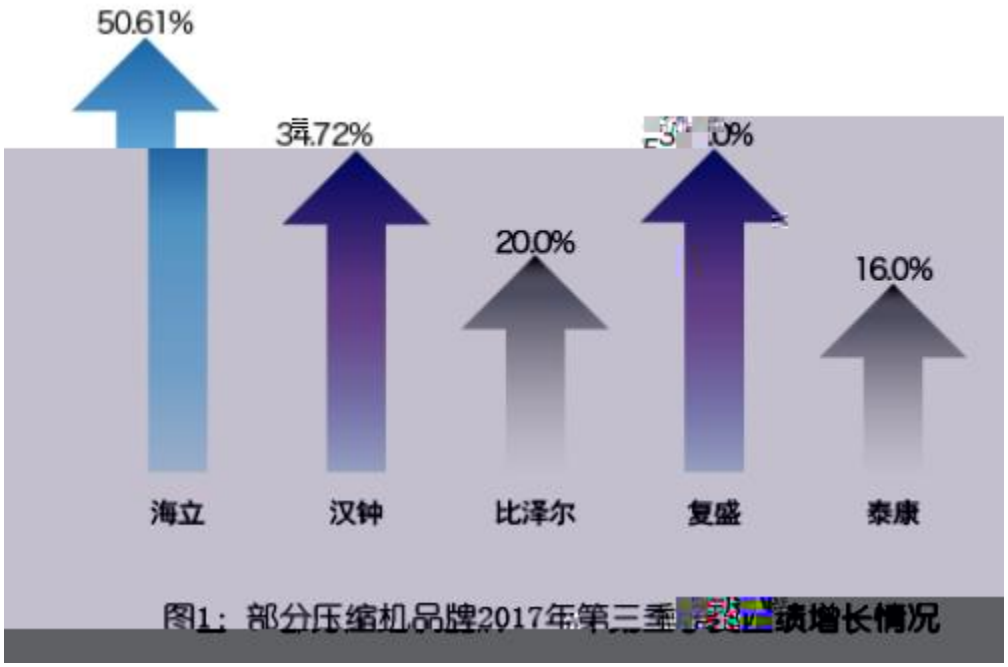

图1：部分压缩机品牌2017年第三季度业绩增长情况

2017

2017 100%

2017

3-5 10-15

2018

80%

2017 3 9.5

34.72% 1.34 3.48%

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20% 2017 35%

2017 20% 2017 16%

2018 10%

2018 2018

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http://news.ehvacr.com/news/2017/1219/103272.html Top↑

2015 7 1 DuPont Chemours ,

85

Chemours HFO-1234yf

2010 6 3000 HFO-1234yf 2016 3

6000 HFO-1234yf 6000 /

2001 10

ODS

HFC-152a HFC-32

HFC-227ea HCFC-22 HCFC-142b HFO-1234yf

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HFO-1234yf 10000 / 2018

HFO-1234yf 2016

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Solstice® yf

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3000 / 2017

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(HFC-245cb) HFO-1234yf

2- -3,3,3- (

HCFO-1233xf) HFO-1234yf

HFO-1234yf 100 /

31 2016 12 7

3000

HFO-1234yf

GWP GWP HFO-1243zf,

HFO-1233xf, HFO-1233zd, HFO-1234yf, HFO-1234ze,

HFO-1234yf

HFO-1234yf

2017 1 1 150

HFO-1234yf R134a

2021

http://news.ehvacr.com/news/2017/1228/103358.html Top↑

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2021 70%

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6.9% GDP 14.5%

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http://solar.ofweek.com/2018-01/ART-260006-8440-30193552.html Top↑

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序号	试验项目	适用范围	试验方法章条号
1	过放电	锂离子电池单体	8.1.2
2	过充电	锂离子电池单体	8.1.3
3	短路	锂离子电池单体	8.1.4
4	加热	锂离子电池单体	8.1.5
5	温度循环	锂离子电池单体	8.1.6
6	挤压	锂离子电池单体	8.1.7

2

序号	试验项目	适用范围	试验方法章条号
1	振动	锂离子电池包或系统	8.2.1.1
2	振动	锂离子电池包或系统的电子装置	8.2.1.2
3	机械冲击	锂离子电池包或系统	8.2.2
4	模拟碰撞	锂离子电池包或系统	8.2.3
5	挤压	锂离子电池包或系统	8.2.4
6	湿热循环	锂离子电池包或系统	8.2.5
7	浸水安全	锂离子电池包或系统	8.2.6
8	热稳定性之外部火烧	锂离子电池包或系统	8.2.7.1
9	热稳定性之热扩散	整车或锂离子电池包或系统	8.2.7.2
10	温度冲击	锂离子电池包或系统	8.2.8
11	盐雾	锂离子电池包或系统	8.2.9
12	高海拔	锂离子电池包或系统	8.2.10
13	外部短路保护	锂离子电池包或系统	8.2.11

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969	GB/T 10464-2017	葵花籽油	GB/T 10464-2003	2018-07-01
		纸和纸板 涂布美术印刷纸(铜版纸)	GB/T 10335.1-2003	2018-07-01
	GB 10035-2006	气囊	GB 10035-2006	2019-07-01
972	GB/T 9971-2017	原料纯铁	GB/T 9971-2001	2018-09-01
973	GB/T 9851.9-2017	印刷技术术语 第9部分：书刊印刷术语		2018-07-01
974	GB/T 9414.9-2017	维修性 第9部分：维修和维修保障		2018-07-01
975	GB/T 9258.3-2017	涂附磨具用磨料 粒度分析 第3部分：白刚玉粉P240～P2500粒度组成的测定	GB/T 9258.3-2000	2018-07-01
976	GB/T 9237-2017	制冷系统及热泵 安全与环境要求	GB 9237-2001	2018-07-01
977	GB/T 9101-2017	锦纶66浸胶帘子布	GB/T 9101-2002	2018-07-01
978	GB/T 9074.32-2017	螺栓或螺钉和锥形弹性垫圈组合件		2018-04-01
979	GB/T 9074.31-2017	组合件用锥形弹性垫圈		2018-04-01
980	GB/T 8885-2017	食用玉米淀粉	GB/T 8885-2008	2018-07-01
981	GB/T 8884-2017	食用马铃薯淀粉	GB/T 8884-2007	2018-07-01
982	GB/T 8883-2017	食用小麦淀粉	GB/T 8883-2008	2018-07-01

ISO 5149:2014

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184.8 6.9% GDP 14.5%

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2017 4775 11937

13.7% CCLC 2017

13.4 1.9

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2011 2016 1662.4

33.0% 2017 2045.6

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1959 TH16—59 TH17

—59 TH18—59

1959 4L—20/8 3L—10/8 5L—40/8 6L—60/8 7L—

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$3m^3$ /min 1.0MPa

30~40

1

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表2 微型空压机技术经济指标比较

	序号	型号	容积量（m^3/min）	排气压力 MPa	压缩级数	冷却方式	转速（r/min）	轴功率（kW）	主机净重（kg）	比功率（kW/m^3·min^{-1}）	主机比重量（kg/m^3·min^{-1}）	润滑油消耗量（g/h）	备注
中国	系列产品	1	Z-[illegible]	0.04	0.7	1	风冷	1,370	0.61	6	15.2	150	5	实测值，比重量为Z-0.025/6的18.8%
中国	被取代产品	2	Z-0.025/6	0.025	0.6	1	风冷	700		20		800		实测值
民德		3	1ST 52a	0.05	1.0	1	风冷	950	0.45	13	9.0	260		民德国标TGL-1153
中国	系列产品	4	Z-0.15/7	0.154	0.7	1	风冷	1,460	1.282	18	8.32	107	4	实测值，比重量为T102的33.1%
中国	被取代产品	5	T102	0.12	0.8	1	风冷	610	1.0	42	8.33	323	11	实测值
阿曼		6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

9m³ /min

5.15 1.5

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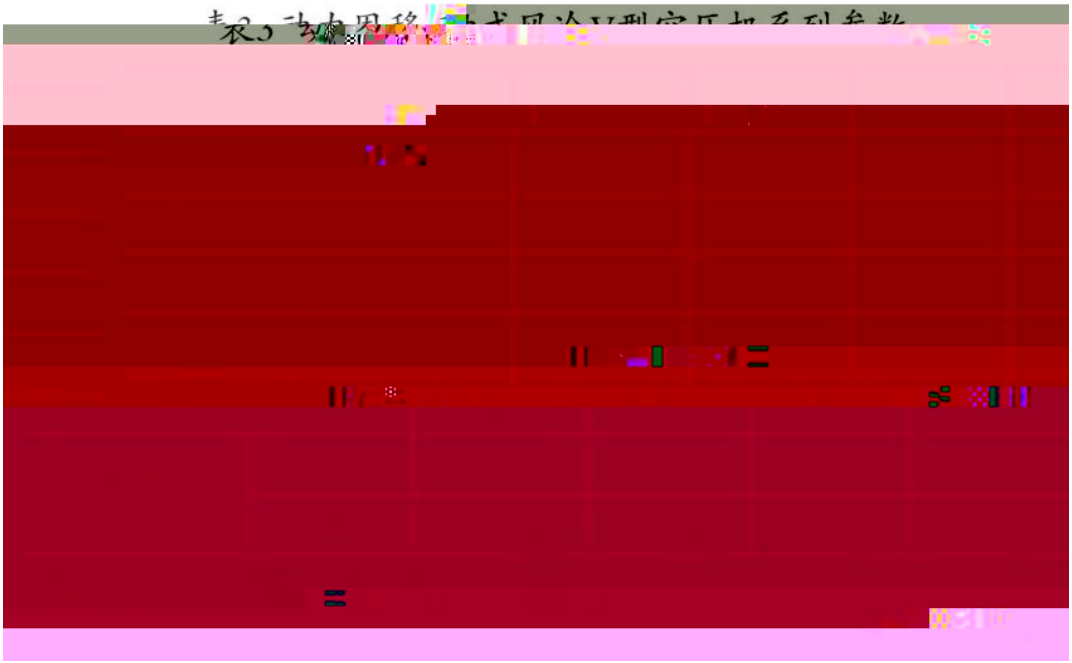

“ ”

80% 60%

90mm 11mm

112mm 2VY—4.5/7 2VY—6/7

—— 2V—4.5/7 2V—6/7 2V—4.5/7 $3m^3$ /min

2VY—6/7

2VY—6/7 ——2V—6/7

2VY—6/7

2VY—6/7 6m³ /min W 6

370kg 600kg 38.4%

56%

4

表4 2VY-6/7型与被取代的老产品技术经济指标比较

序号	型号	主机结构	冷却方式	额定容积流量(m³/min)	额定排气压力(MPa)	额定转速（r/min）	行程（mm）	气缸数×缸径（mm×mm）		比功率(共用)(kW/m³·min-1)
								一级	二级	
1	2VY-6/7	V型，2缸	风冷	6	0.7	1,500	112	1×240	1×140	约6.5
2	2W-6/7	W型6缸	风冷	6	0.7	1,225	102	4×140	2×115	
	主机净重		加工工时		零件数		材料类别		生产成本	

2VY—6/7

10

20 40 90m³ /min

20m³ /min 10m³ /min

20m³ /min “ ” 10m³ /min

TH16—59 3 6 10 20 40 60 100m³ /min

20m³ /min

4L—20/8

TH16—59

L 5L—40/8 6L—60/8

7L—100/8

7L

表5 动力用固定式水冷L型空压机系列参数

空气压缩机型号	L2-10/8	L3.5-20/8	L5.5-40/8	L8-60/8	L12-100/8
活塞力（kN）	20	3.5	5.5	80	120
额定排气压力（MPa）	0.8	0.8	0.8	0.8	0.8
额定排气量（m^3/min）	10	20	40	60	100

L

GB762—65

“ ” 5

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L8—60/8

L2—10/8 4.663kW/m

³ · min-1 0.8MPa

L3.5—20/8

500

L3.5—20/8 3L—10/8

3L—10/8 500

L3.5—20/8 4L—20/8 2.2t 2.6t 400kg

4L—20/8 650kg L3.5—20/8 —

— 210kg

L3.5—20/8 4L—20/8 840kg 4L—20/8

L3.5—20/8 L3.5—20/8

4L—20/8

L5.5—40/8

500

9 TJET EMC /P <MCID 13>BDC BT/F1 12 Tf1 0 0 1 129.86 339.49 DC .84L5.TJET EMC /P <MCID 118>BD3 BT/F3 1

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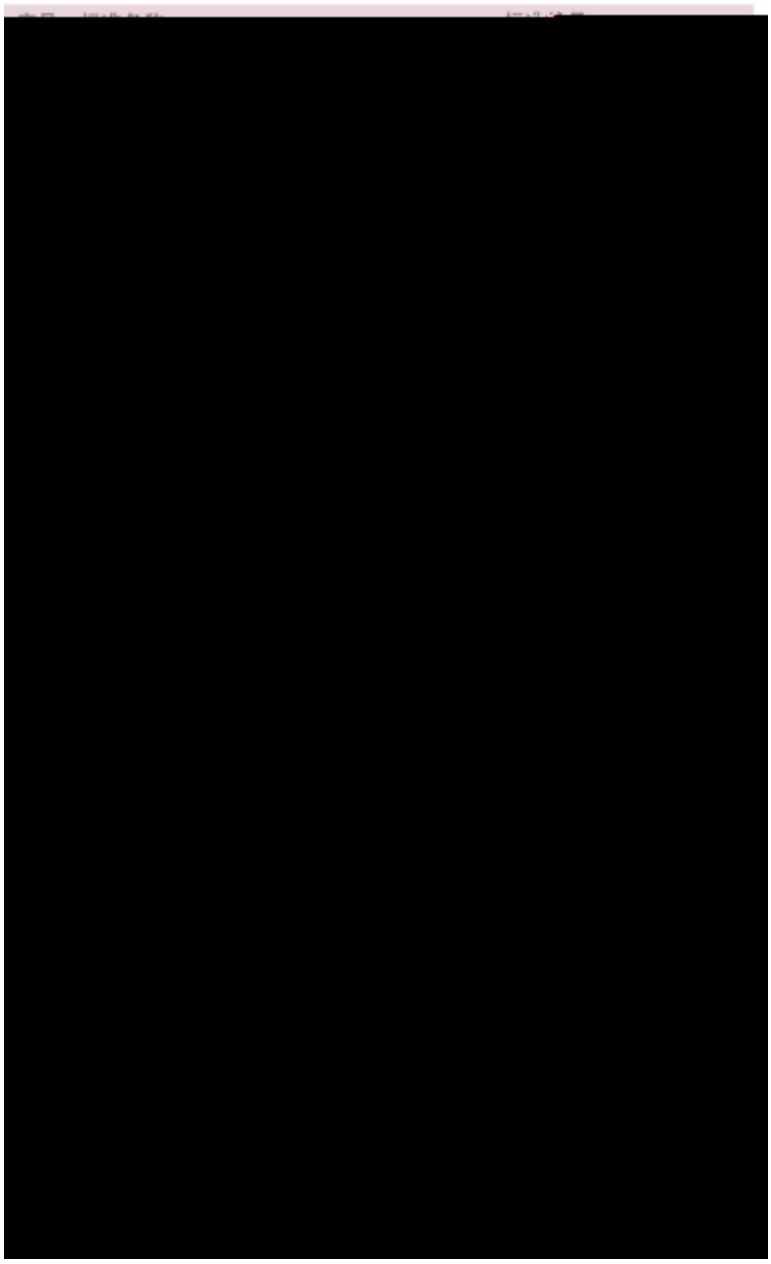

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≥ 30% ≥ 650km ≤ 1.0kg/100km ≤ 1.2kg/100km SUV
≤ -20 ≥ 5000km 1
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70MPa -

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≥ 30kW ≥ 55% ≥ 10000h
≥ 160km/h 30 ≥ 120km/h 0-100km/h ≤ 12 ≤ 14
SUV ≥ 30% ≥ 450km ≤ -30
≥ 5000km 1
3

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≥ 30kW ≥ 55% ≥ 10000h

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≥ 50kW ≤ -30 ≥ 10000h ≥ 1000h 0-50km/h ≤ 20 ≥ 15% 12 ≤ 7.5kg/100km ≥ 400km SOC ≤ 10%

≥ 10

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≥ 40000km ≥ 5000km

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Gianni Parlanti

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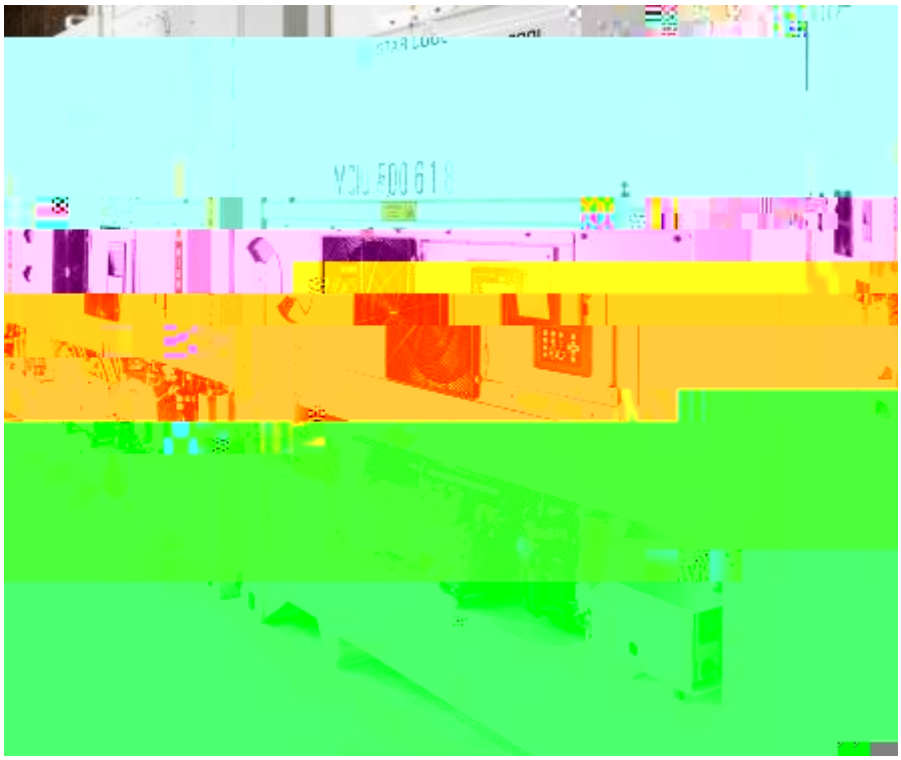

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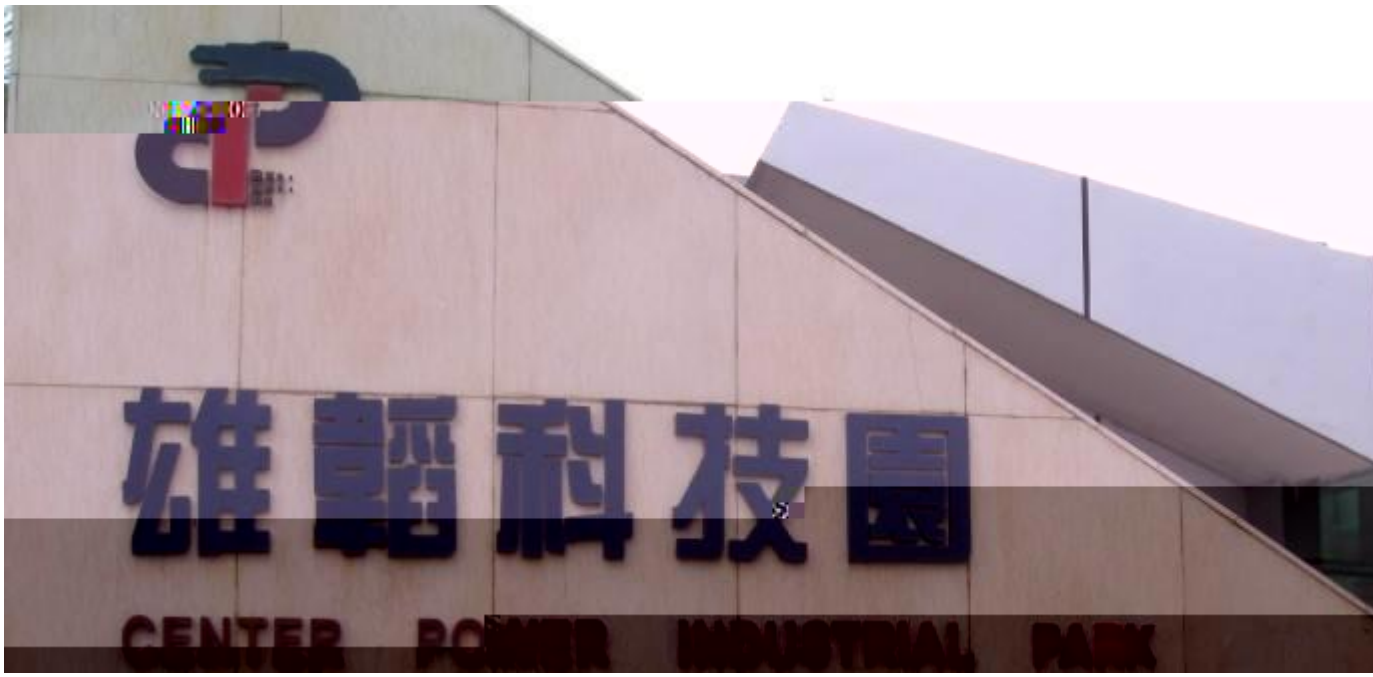
Busch Mink MA 0018 A WR 0070

Busch Busch

info@busch-china.com

http://www.chinesevacuum.com/portal.php?mod=view&aid=50 T



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2017-11-01

, 2015 ,2017 1~3Q

9.5 / +34.72%, 1.34 / +3.48%; 0.252

3.9 / +45.23%, +15.68%; 5111 / +6.34%,

-12% , 2017 1~3Q 32.54%, 2016

3.75 , 30.55%, 5.61 , 3.27

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2017 1~3Q 16.72%, 2016 ,

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2017~2019 1.66 2.14 2.83 ,EPS 0.31 0.4 0.53 ,PE 45 35 26

, , 2016~2018

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2.37 3.34 ,PE 36.5 31.7 22.5 , PE

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15.7~17.9 / ,

http://stock.qq.com/a/20171101/030187.htm Top↑

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2017-11-01

(002158)

2017 3Q 9.51 34.72% 1.34

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17 3Q 9.51 34.72% 2637

120.77% 14 Q3 3.92 45.23%

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2017-11-16 54994.01 3923.64

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10.0% 10.0% 10.0%

37.5% 33.5% 28.3%

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81% 80% 17Q3

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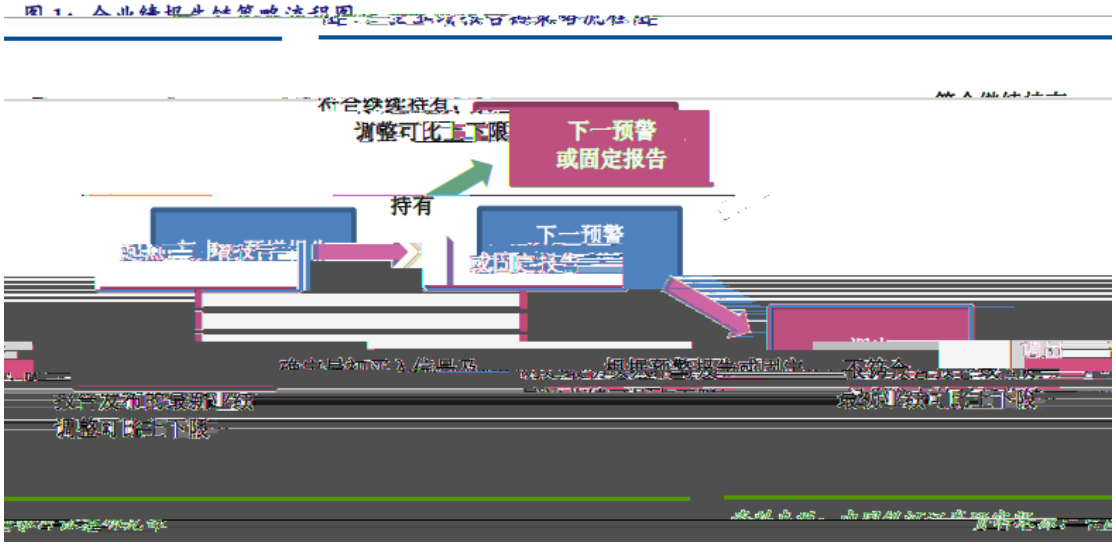

-2.28% 500 -0.49%

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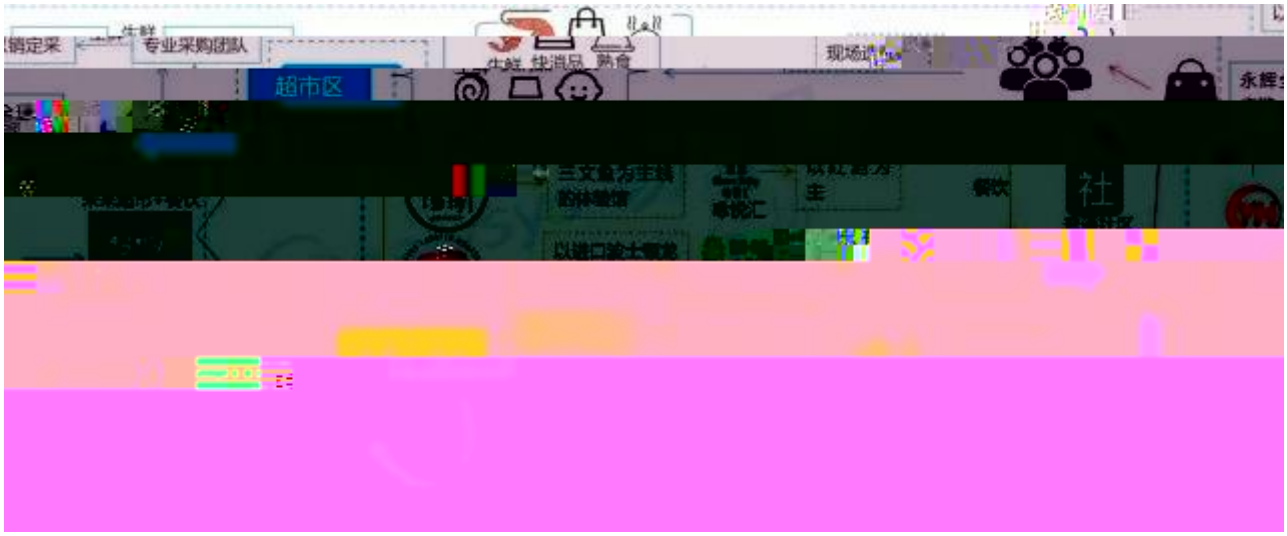

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