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6 = 8 p 7

1. G 373\$ÆE¢ ÁF > ©Kd U
2.)å ª ËCz © <Ep > = ð æL!ë
3. Á5_p Æ O Ý 0K6,º 6 ª
4. 5 º]#p - e 18 ª ì+k q Á
5. 1b l í x HFO-1234yf <)æ(î
6. `Li73 Ñ ì 8 p < ?] p '
7. l í p4ú Đ l L f = ü L D CÀ ð fTu"Õ e ©Kd
8. 0°"J73'##+ !™.α!> F •C--*F3
9. G 3 8 f# % Ñ ì l í 320

17. 0 0 0AO p ð 0A p æ-A _³
18. cFP Á5_p ... P />, P »G < 7 P Â ` ð5 ¾>ž |
19. Á = ^ , ° 2 N⁻ 3 ì = ü⁻ ü 9
20. ž 3 Á5_p = ü L ¶ e Ž P £ € ?!W PAä4à?
21. ž*9 6], °-U0°1•/ñ † í#, ´ VPS µ#, x315 D-U0°“(¶ e
22. • E>, P <F 5^a > 6 C x vM[~]
23. c 3 • E æ Ô>û pF 5# 5^a ž*91b 6 >, P ... P ÆAæ Ý PEý'#
24. c 3]L|8å{} , } Ý73 , G N ? U &0%+k
25. o Æ < ^Lü F+kD%1•N¼ 4ú 09 `` 3 ì Ý P Q æ c ù
26. Kv7ÒM¬ † Æ 3 » <F jC¬ @
27. c 3C¡ ^K8+k Ý P, ° 6 f M È ù b U , |
28. G ÆEæ+^K8+k"– æ 3 = 0 & , ß Þ æ73\$Æ"³Eæ Ý P?ú99 L <
29. Ý P L B "j "X'ù Ĩ+k"–"³EæP¬ G < Ĩ
30. 'ù Ĩ+k"– Æ]?ú W | P L ð ^ û> ,

32. f 2025^a f Ô)æ FCV 0.vAô ó 0 b Â °

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1. E | í315 '##+ ¿ ž D)å °ÍĚµ} , ÇÙ®

—'l"J e c 3 p 73\$Æ+U Ý Â#¾CoMÿ ³ = Ô)æ558" „.é < ,°H ?· 0.v , ?'• G 373\$Æ
< w ? Ê ?ú H , 2020 a _'l"J ^ 6!W73\$Æ#¾Co c,º —" ?· Ñ çEô f 10% >G 3 ? 13.7
õ ð , ?'• ñ a4Ü

} 0 ?&ò , , © }^a Ý?ú W û p 308 = ^, F „ Ä 742 = ^, ° L+, © }"j © >

G æ1 >ž/p ,FPEýF =FPEý 6 _+^ G " 3 » ,° _!"JCz\$Æ , Ñ ¿ _!"J,°#¾CoH ^
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w —,° 9 , = -v)å Ý P 2.0 , ,° f > , ? ` w — }?·"x)å¹ ~ Ò ,F ` , 69
H ,° e 7 P,°315 C × > | e f Z `LlëG3M6?·8ç u Ò,°Jç >LÅ-v)å¹ Ý PF > 3.0 , ,
g e:s f 55"jM^ § g eH §K, § ,° ÔD+ U >73 C73 G8ç u Ò,°Jç , C8ç u Ò,°Jç , Â F
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3 » >-A , G 3 (À558" < ' p 3 ìH] N+> > º 6 > , 3 ×L~ q*< „ • p q 7
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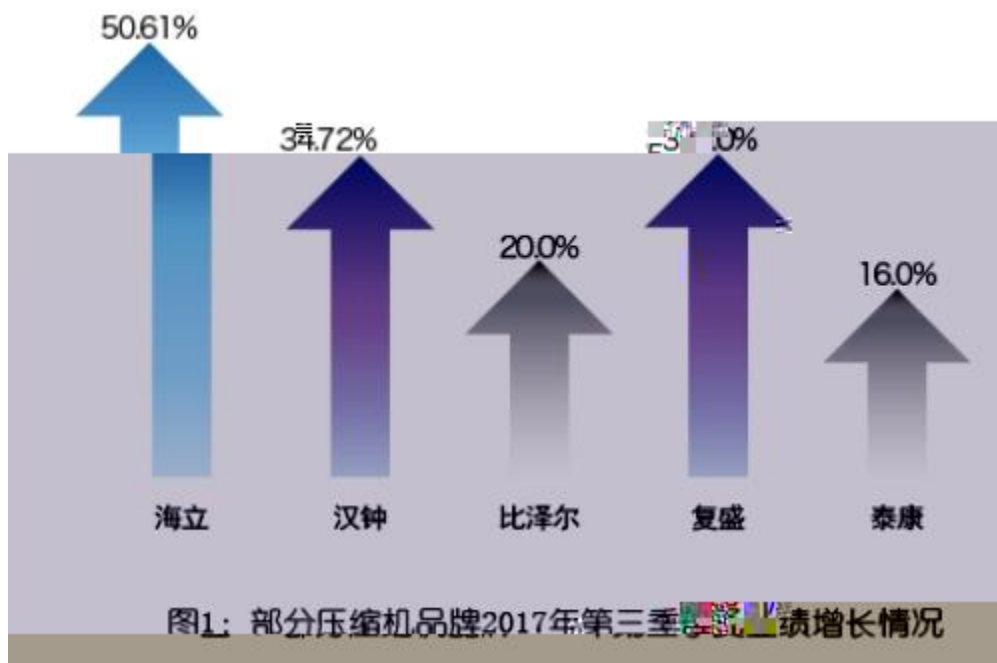
^ Õ c 3 ð"G] æ)å¹ æL~L~KµP¢ c-A > ,558"H =Ã?· <C- > ,F ?·69<‡ ¬ ,°Cz\$Æ

Â — , , , ? [CX u0D I u1(Ê Â)å¹ Ú u1(Ê,° ... B ~ Ê , f735 558"H =Ã \ > 6

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¤ ¼@ , 3 ì ^ w Â Ê a,° , O ,+^ Ä)å Â8,73,°CX uCzH é1ÍÊô f 4800 õ y >

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)å N¼ PPP F > C^ L!ë
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 " , À 8 uN¼ • + ^ f Ò ‡N¼ > ÊB { <69<‡ C BN⁻-\$,°(⁻&i , 6 <J¾ /]AôA× Ç1b ,
 -\$ f ¾ P)å¹52 > a"ñ2±N⁻-\$ %oH M" n] ,?ú W+P8)Eô f w ð L @, ' ð > / ÄF 2±N⁻-\$,
 ?· p LN⁻-\$ • L*,° ©6Š] L6; / Ä Ô)æN° U)å -\$ =,°CW)d Ü Ç1b Ê ,0% • ÞF PPP WE,°
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 r í 6 ,° e ,F !ë ,L* PPP 1x*< ïM~NÇ4w 0 & ½ , , pB9 PPP N⁻-\$,°?ú99F 'L\$NÎ >



÷(, >-A, ^#× Á5_pN¼, o'â =8'U+U-¤6]8p3NÓ, ^'š o+kN⁻-\$,°
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 Ü 0)æ É Ž3] V >¤9'„(̄ ¥ q5 * < ½98 „ 5, 2017ª 9'„(̄,° P5 Ô)æ ¼ 100%,°(<
 E ÔKµ, 0°B9 = í ñ = '##+ ?` Ê+^ 8 p } 0)æ 0 Ý OK6,° vM~ > í ñ iM~, +g Ä f U Ø m
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 Lü c Ñ ì oFV, / Á5_p,°?·"x < m Ñ ÌGý+^,° 3-5 o,° Á5_p G 10-15 o Á5_p E¢
 , Ê+^ ^ E pLü c Ñ #1 c] o !#× Á5_p M6"x ·FU @ } >N°A× 2018ª, ÔKµ ò jF <
 75# ,9'„(̄A× H 7 80%,° ÔKµ >

=ð | Á5_p ^ 2017ª B m ? v l9í, >ž 7 P "•JÕ f 3 ™ Ü Ô)æ:[P l > 9.5 ò y, B
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 ì oFV 8 p,°=ð | Á5_p, /ñ ù p+g Ä Á0°B9N⁻-\$KF, ° § f 6 Ð è 1 Ç " #3 J B m
 - Ä's o+k 8 p, § R = §?µ = "é M1• f 0C],°=ð | p =] o !#× p !H %?ø, 2017ª N°
 A× ÔKµ20% Ç C- +g Ä ^ !è=ð | Á5_p @,° f 9 v, 2017ª=ð | Á5_p ÔKµF 35%, q
 ?· í- Ä C- ^ M â = M^ Ñ1• f,° |+^Lü c Ñ ÌN⁻-\$ c l9í ¼ !H %?ø,°AØ < >

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Á5_p ^|+^| í 8 p,°CW)d >#& íK6 d q- G Í#Ñ>ž/p , Í- Ä5 K6\$VF%°,° e 7 Â | P I
í 8 p,°4w9™ < ,N°A× 2018 °, #& í ^ c 3 8 p Ó'I73 U 7 10% @,° ÔKμ >
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=ð | Á5_p ^'š o+kN⁻-\$ = í ñ í< 8 p c,°>ž)æ r Í U » , B ,%ö&p,°1 ¿ < μ=ð | Á5_
p 7 P ^Ý ÷ \$ 8 L @ • * P } >

+P8) e#M.Í p1• P+k Ý ÷ , C e.¢ , - r , F ?'O \> ,° %oPÂ - r , * ? ÷ (,H t 0 >
,° ÷ f - r > —: ^ S ,° æ#M0°1• Ý ÷ , g C% Cé ¶ e ,° Q æ , F ? PAôA× ,° Mÿ ³ , * ?
+ ^ m %oPÂ ,° Mÿ >

!š ì+k > P#• ,B,³G^> , P 6 m> , P],°5 °]#P - , < e 2018 º ì+k P ,° q Á >
^ 64ð ÷ (, #- J =5Ä ,° = r Ñ , #- =Kµ<¯ = TCL 1• 7 P ,° \ P A , º ^> , P ,° - r %o31 6
{ , 5 Â ?4ð ÷ (, #P -+• A0°L* >!™ vBI , "j#P8oQ , F • e C G Â ?4ð ÷ (, † Ä-A f ,° v
M~ , FÛ g e#P - \> ,° , | _#Ü §C~ , Ý PK4FPC~ >

%o'l 2018 º ì+k 7 P ,°#P - , 6å Ð C eFPEý-* Û âQ d - , 6 Ð e U ß C ã PL~ 0 æ ,°
ï E > Q > , P } - > \$ f , C E#M>™ p-* Û < 8 p1 ¿ Â ? y y P Q f 6 = y @ , B
m PL RÒ æ1ç O-* Û < 8 p - r P G Ê £ y y , -B Ø = y @ ,°#¾Co Ñ >0°B9> , P O e
ž> , P],° - r %'01U L º#P > E ì+k 7 P 0 ÄEý ñ º ,° 631 M °73 = æ ÷ , Eô f - r æ
Q Ü >

LÂ-v ì+k , |E¢ Á!> > ¼E¢ Á ,°\$""j p , CÀ >CÀ P ,° ì+k ð EAü f , ?C~ Í * P ,° _
#Ü , f 73 ? * P ,° CzH Ë > f Ý ÷ AôA× =.J Â+ ^ m C ×Eý0A c >#P - e 6 ` , | Â+ ^ m P
C~ ,° vM~ >

p ì+k#¾Co }4Ý ,° bC^ , e?ø + }4Ý , ? ^?ø + cAÚ % ¼ , f P ^> , P @ ? vAÿ"x >
B Q , 2018 º ì+k 7 P73-U!™ ^ “#¾Co }4Ý c ÎH , •73+ ^ ¾¾¾Co }4Ý ,° O >

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)å æ"U † İ'8 q.J μ

#••)å æ"U † İ6× 3 ?L† ¢ .Gý+^+U Ý 8° \ Æ 2-"e -3,3,3- ?"U O'%(1¶0&
HCFO-1233xf) p Œ İ"U"e Ú ~# +U Ý HFO-1234yf, \$ f ^"n í 8 ? 6 • cB >û5α ^ E?ú W+U
Ý "U O'% ´ HFO-1234yf μN°A× Ý73 100 ^/ª > D U ¢ .BA"x @ 8 , , < bE÷8)>~ 55
8´ Ý PLü6• p + LD% 31 - , 2016 ª 12 > 7 , >~ 8)å v558´ Ý PLü6• p < v ¯ ü ¢ .
^ 0 ª Ý 3000 ^ "U O'%N¯-\$, \$ f æ , (5 0 F ?"U O'%+U Ý>û5α , D5# Ý ÷ "U O
'% P ` ?]?ú W +U Ý>û5α Ë Ý >

#••)å æ"U † İ6× 3 ?L† ¢ . ^8 Dá Ý ÷N¼ : ÄN¼ ~ f f , eLš5Ä 3 'FÜ L L+, @73
U?ú W L = | P L+U Ý ?"U O'%,º q?· 7 P Ç eLš5Ä 3 'FÜ =MC rN J ¬ Ñ¶ e e 7,º
7 P L , ? I _ ¬ Â ¼ | P L+U Ý HFO-1234yf ¶ e,º q?· 7 P > I# Ä"U.{"]- † İ ,
(!Ä"U L œ ÷ Â „ GWP Ý ÷,º c 3 q?·+U Ý IFV p º > „ GWP Ý ÷ ÄHFO-1243zf,
HFO-1233xf, HFO-1233zd, HFO-1234yf, HFO-1234ze, ?"U\$ê O'% >

c L F)å

c L F)å L ´?μ º μ ?L† ¢ . ?8 q.J ,º+U Ý I _ , 8º ĩ# e "e O'%
p Œ İ l = HFO-1234yf ,-\$ f P >û5α Ë 0 >
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.J D I _ ,º0%3e ,-\$ f "U O'% ´ HFO-1234yf μ+U Ý I _ q?·Lü c ^0 < = MC rN J =Lu
0)Ñ =]H "U L =#. "† • c , j " 9 v , (F p>, PN¼D 6; > D!š B , , I _ Ú
μ í 3 Ý LF 0A5I ~, Q - r C _ Ä Ý ÷ 8 p L Þ μ , <³ l f ¥ % U , | Þ μ D Ê+^F Ž ^
B. PL\$NÎ >

% 3 »"U L 7 P , ^ Ñ5 Ý oMÿ = Ý P }4Ý,º>, P7 ¥ A ,?· ~ Ö p8 Dá.J 73 Ñ

8 2017^a 1 > 1 C-, v ? ^!]#hK6 d,°EœE¼ ûN±Gý+^ ž*9 ì%' r,, Ä 150,° l í x >

5Ä 3)å¹ Ú5" (¯ ü µ+^ - ? „ ž*9 ì%' r,° HFO-1234yf l í x 5 R134a l í

x, D6; (5 A× H Ä 2021^a /!~ ^ æ Á Ž ×Eœ ÂE± Á —Eœ"³Eœ0°B9315 c µ+^ >

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6° `Li73 Ñ Ì 8 p < ?] Þ '

"é M-7 u Ò-. ©G L !™ ^5L I E"é M-7 Ò ‡ f p `Li73 Ñ Ì B & i Ô ó i ~ F, 2018^a

< ^ :Aô p 8 ´ a Ð =EÑLü 8 µ :F? 1 ` ‡ = 500 m ´ § 13 ` ‡ = 6500 m µ ~>, 6 <

`Li73 Ñ Ì B & i ´, ¬ f l Ò1'F? 0F8 Ò,° ¶ e Â i ~ Ç 2019^a < ^ Ò ‡ c E œ =² u

= j+UL~ = ±67L~ = ð"G C × c ù1• ¢ § 01‡ Â Ò ‡ æ Á/t p c)½ ~ Þ µ5 1'F?,° =E¹ p

F'Õ,° `Li73 Ñ Ì ¶ e Â i ~, ° » Ô)æ `Li73 Ñ Ì 5 = m = 500 = © i2© Ç 2020^a < `Li

73 Ñ Ì ´ p Ò ‡\$;#773\$Æ Ñ Ì,°H ?· i EF >, žM~ Þ µ, Ô)æ `Li73 Ñ Ì 30 = m = 3000 =

© i2© ,¬+g!š ~ F G-7 µ] Ò ‡ `Li73 Ñ Ì,° æ n 7 >!š `Li73 Ñ Ì 8 p © < F p “O ” >

`Li73 Ñ Ì e lLü \_+^ `LiEÆ :73 ¬E¢ L p'#73 =+k73+^ Ä Ñ Ì,° ¶ e, e 60 \$;#773

\$Æ Ñ Ì i E >é M-7 " Ä `Li73Cz\$ÆE¹ p f ,°-7 3 ,V ì =µ í p `Li73Cz\$Æ Â2± f p ,

¬ p ?2± f p , - ? 6 < `Li73 Ñ Ì ´,°8¥³ 0.v , ¬ J"é M-7 ^ `Li73 Ñ Ì iM~ ? •

Ô,° Ý P 0.v =/p99 0.v = 8 p 0.v , 6-°C! ^ ž 3 :-7,° f M , `Li73'# \_+^ % ^F `

i ~,° Þ Þ A *³ f 75# < >

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@ = <?p1• P0 ~ E ,] Ñ Û V `Li73 Ñ Ì / o °0""JC^H = Q ð"G+U#q"j © = ùF Ý P

E¢ Á }4Ý,°H ?· E • , Û V `Li73 Ñ Ì,° ¶ e5 #, (¯ & i =F8+^ — , ? © Þ µ u1Æ à ó , ¢

æ Á558" „.é+U#q*< + Â73\$Æ#¾Co i E , Q /t P / `Li73 Ñ Ì,°AÚ. Ü Â Ü Ü ,:[FV

8¥³/t P8<Að"Q * >

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 E¹ 3"j © , N°A× D U {"G#¾Co% ' Ñ < PF 6!>H t , #¾ Co 8 p < 7 ©0iE¹ ! ÔKµ >
 ã!W , íK4> , P1 ċ >%J > & p > 2016 a , c 3 íK4(Ÿ#w,´ p 7 P:[P q l > 225 ð y ,
 B" ÔKµ 29.3%

(Ÿ#w 8 p r v Ý+U\$'F § >

6 D , æM, dP§ ƒ4ð @4ð A=Ã > < , • \ > íK4 ÔH 8 p >4ð @4ð A=Ã > < , M6?·

^ ¥ =GýCc =(Ÿ#w =K6 d = ¶ e1•)å8,H °, Ô)æLf b Ô ~ } C ×C^H > Ó Ž Ä+k † |

× Â æM, d,° íK4(Ÿ#w 7 PF > !FU < >

íK4>, PM~ j £] <CÁ ð

c 35 #,, , Û Æ ƒAÚ p © < f >,° 2018 °, íK4>, P < ~)æ ÑCÁ ð Æ

J Æ1b 6 , u Ò < Ö p íK4>, P,- 1× >3 Ô 29 - ½ c 0 , < í< \$ _EœE¼ ' p

I+^C]F EœE¼ Ö p1×*< , ¬ <\$ _ Ü- ÝAô =]73?·"x ' p í< \$ _EœE¼ Æ >F :[,° 0 b — , >

/ Ä C1\ >-. © = ü?·"x,° , C wAî Æ > íK4(Ÿ#w 8 p > K 2Q 6M73 = ,, ~)½ = C >?ú,° í

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31 , ^+U Ý ÂCd<)å8,H &ï- -™ C^ U =\$ _ Ü Ý l1• , ^K6 d4p1%H &ï- -™ í< = í ñAô ó

ÂCd Ž\$ _ Ü Ý l1• , Ö p / íK4 :)å8,\$ _ ÝAæ < Â Ý ÷ ÷C^,- -™ Â C Ð U ó >.J0¬ <Gf

=\$ _ Ü- #•>û5 ¢ ' p í< F EÉEœE¼ 0 ,° p |]?·"x , ^EœE¼F >:[F 8 p = ° Ü ×PÂ1•)å

8, Ö p- -™1×*< >

{ < [>, P ... P =1b ? ï · p ° Â :2±)æ ? ¥ © &,° '+^ , Â ° íK4(Ÿ#w 7 P C

×Aú - Â ^+Aú - %31 >+g 3 ì j+UA×+U !™ E1 N¯O ÷ íK4 3 ì p |] = ü EO ÷ íK4 j

+U?ú99 F,+g c(Ÿ6Š íK4 ' p qC-9• < fCUCY5L Ĩ >

1b Â , íK4>, P1 ħ <C! G?ú99 L > íK4>, P Û 7P§Lš8¥ 7,°)æB— < P C ã o ° ,K4 É

e í É(Ÿ6Š5‡]! ¢ © & , © &)æ ? 10000 P ì í É ¥ ,K4 É-\$ f!™Gf > c(Ÿ6Š íK4 ^

ž 399 * 6 <\$ _ ÜEô = í ÉAÚA÷ ' ,FPEý\$ _ Ü- #•1'F? 0\$ _ Ü1\ > 3 ì = ü,° í É , 6B

Eô f ö L í É 8 p)å 1,° '+^ > c(Ÿ6Š íK4 CCLC í< EœAÚA÷ © & q?·M~ GC] q =1b ? ï

(Ÿ#w = í< Eœ l+^ ,1•>, P q % ,FPEý © &AÚA÷ , ° > NC^ í< EœCz\$Æ , Q NC^ í< Eœ µ

+^)½ , 6B Ô)æ8¥ 7 ñLš Û 7 , ùF ¢ ©1 ħ >

1b ? , NC^ íK4Cz\$Æ <F > [_ >"ð#- f p íK4Cz\$Æ P , c?µG íK4Cz\$Æ G,°L\$Nî Ó

Ž ^ , Eô f p Z ¬ e M = @ = µ =\$1• 64ð 8 í ÉCz\$ÆCÀ >CÀ065p > 6 ĩM~ e u Ò Ö p

- 1× , /F 0 í É Ö] üLš Ñ Ü Ç Æ6; 8 c(Ÿ#w+^ f¯ C G L í É 0Aô+^ f Ç ? e í

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 ù P F pCÁ õ > | • L = °73 L =8,73 L e í É }4Ý Â oFV,° ©# &i >

1b , íK4 ð fM6"xCÀ >CÀ 0- > Að e 64ð,° P´P¬ Ž = ' = bF = l í ,F
 e c x,° q1× , L eCUCY ª %oF :[,°Q 4Ý1×*< ð f ,G3CÀ >CÀ065p , c(Ý6Š íK4 < e 7 b
 0 L~ W Â cQ 6,Aô5ª íK4(Ý#w-. © i G DB40A , ¬] Ñ 6 ^6, ð Ž /AãB40A , Þ Þ íK4 l
 P •6è Â6, P /Aã , ~ F P x!W,° •6è = /Aã %o31 >

1b Ê , íK4,° W E Q æ Â æ P 7 < C ã#Â)æ > 6 iM~ ,LÅ-v8,73)å ,° ÞF Â u Ò /
 8GfF7,°1×*< , í< F EÉEœE¼ 8FP>, Ó &Lô , / íK4 8GfF7 0 * P G N , < HFr í
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 >CÀ E ¯H = PNÇ!W Â `] L ,+k Þ í < Eœ = íK4 ;>û =/t p ä 1• æ ¶ e Â æ W E <F >
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 d P 7,° < , < \ Þ íK4(Ý6Š5‡ ¶ e = ¥ ¶ e ð °73 D8 Þ LAô =,° !FU < , í
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 Ey20 = ` °73 \$ \_1ç , ¬ pE³ %o , c 0C- ¼ ž\*9Oì ` íK4(Ý#w ž#w0A °73\$ _ Ý %o31 ,#¾4Co
 6; < ? p P Ô , -A ^ â R @ vCc8 :[+URÒ | ÷ ^ Þ =F EÉ =GfF71• :)å8,°\$ _ Ü O¾4 Â
 Ô , f5ª , Ô)æ ž#w0A %\$å\$Æ >F Ñ °73 \$ _1ç eLü \$ _ = Ð f = Ô , \$ _ Ü - #• p 6 %o , í
 É Â í< Eœ • ¾ ! P Ô)æ , ` >\$ _ Ü < P G#¾4Co6; ¢ 6 P F p = ü C × >

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15 ° CkLi 0 & < íK4(Ý#w P i ~

F ,CkLi 8 u Ò Ô ¢ » | ECKLi 8 < íK4(Ý#w P ß Þ7gCa q • ? >, Þ i ~ 2017
 2019 ª µFÆ i ~ F 0 , f 2019 ª ~ F 9 v0 œ =5 ° >*< =F 'Q ~ = Õ73 Â ° =55
 8" „,é,° íK4(Ý#w %o31 , ž 8 í É É iEô 50 = ^ >

o ¢ E ĩ ~ FÇkLi 8 < Ö p ©Kd)å8,º íK4(Ÿ#wAô ó OAô , þF íK4(Ÿ#w] | ¢ ¥ ©
& OAô , }(Ÿ#w>û ="j © , Ö !>>U† Ò Ý ÷ Ý f 6 ~ 6 ¢H = 8GfF7 6 D 6 ¢H
Â žE¢ Á í É1•.# µ ;v Ñ@ é íK4(Ÿ#wGfF7 U C] 0 § þ ŽLôNÎ ÇÂ º íK4(Ÿ#wAô ó5±5 ,
%oFV C × ž-7,º Ò Ý ÷ íK4(Ÿ#wLü ™ c ù ,?ú H OAô C ×Ck ,º#-RÒ Â"j Ý ÷ íK4(Ÿ#w <
c ù Ç/6è \$] íK4(Ÿ#w 7 P ,UI ç <1b ? ĩ íK4(Ÿ#w 7 P ,Ö p Ò Ý ÷ Ý PK4 Cz\$Æ § á ,
N L íK4 Ñ ÊK4 , < Ô r C × Œ73 Ç] Ñ < íK4 § BGfF7 , Ö ! þF CkLi 8 Ò Ý ÷ 8
§ BGfF7EœLU,º4ú 0F OA ,UI ç < P\$_ x í< EœGfF7 , þ µ íK4F EÉ žOA- Ý ¶ e , Ô)æ
žOA „\$_F EÉ ,Lf „(Ÿ#w F b >

B , ,CkLi 8 < c 0 íK4] | ¢ ¥ © & ,] Ñ < È6Š5± + íK4(Ÿ#w , OAôLü ¥
9 = ^4ð Ú I = žOA\$_ Ý =EœE¼D D` =C](Ÿ B 1• Œ73 Ä 6 %,º íK4(Ÿ#w ¢ § ¥ © & Ç
Ö ! OAô íK4GfF74p1% , < +k † | × + íK4GfF7 º73 C] /t p º • ä: p 1•+URÒ Ò
Ý ÷M, d-*K6 W E , º >)æ ?/t p :2± ¢ §Cz\$ÆAô ó ,5 1 ¯ oFV L æ 0 6 ¯ +URÒ 8 =/t
p+URÒ Í =+URÒ-*K6Eœ1• , Ô)æ : p ´ 8 = ð µ] Á/t p íK4GfF74p1% ž?¼- >

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16 º K, B & ĩ; b: +U Ý 0 f íK4Aô ó OAô

12 > 15 ,K, 8(Ÿ - v#¾ ¥ ,p>>U†;b: Ý f “ 6 ~ 6 ¢H ” íK4Aô ó OAô.# µ , Ô p
;b: +U Ý ë × - r# þO LŸ,º73 Ñ , } ;b: Ý PLz Ö'= sD)æ

" Á C ÍC»Eý ñ 0Aô F b,º 40% >

E ĩ ~ F?·"x : ð ´ 8 = p µ u Ò ? ©G L ?· Ö p /;b: +U Ý 0 f íK4Aô ó 0AôB &ĩ

,º ö =-™ 2 , /F ?ú ´ = :<· ´ } = • u ÒCzH 1•F 4àF ?ú>, p , Ó# Ó?ú [6¹

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17º 0 0 0AO p ð 0A p æ-A _³

2017 º 3 » : f 0 0?ú H,º 0 & , :0 _³#¾ ¥ C ã V 0 , p%ö-v c 35 #,, ùF G 3

0 0 < , 3 »FF\$F } ,º 0 0 8 pM6"x , ^ 6 Ð0A Ü @ \ ì 0A p æ>, P >

c 3 ´ p % L+,º 1b 6] P 3 ,!™ : ^ IFV PQ FU <,º LI!ë >^ 2025 º , O G

",º GDP qH g?·C»CÀ5Ä 3 f { L+,1b 6 ,0.vAô ó 0Aô jLÅ-v Ý P5 º }4Ý 6 m • C73:s

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G 3,º 0 0?ú W f Ë ? P] ~ ? L 3 È % 45 Aú - G " e “ 0 0(øQŠ” , ñ ÔF `B*# 6&ĩ

• C n V , -AF Ñ º > G " 3 ì \$,º Q J ÷ g. F%¼ , ` > G "F ?· \$ ¾ P fJ ÷ , n+k1 , F

ÑG31Í e 0.v 0AôN¯-\$ >v 0A p æF `>, P , jLÅ-v “ = ð ” 0 0,º] p%ö > 2008 º

,º] < ,! D5 ¼ ¼ Ý73Eý Ÿ ≠M(, =0· 0H * >\$ f p |FX ĖCz ŷ Þ5 #,,,º]"J O , U ,

f ¥ • %BI 6{ } ³ >

o º 3 ì5 A× v Â c 3(Ÿ#w DGýCc6Š > P ¢ 9,º ! º , º 7 > 01‡ P | ×#q Þ = ! @

}8) 62.5% , pF º >,º Q &ĩ , F %73 E ©-v A € º ĖCz ÔFU , (º a e 0 0 ĖCz ÔFU5 5#

7E¹Q >

7 > 01‡ P | ×#q Þ = ! QF º > æQ , %73 • E ©-v A € º 0 0 ĖCz5 5# : ÄE¹ ! Ô

Kµ(î 7 >F L < \ Þ º ` ĖCz Â5 #,, ©0i ÔKµ >

1 AÚ p , @ € º 0A p æK6 d8¥³ , F E ©-v 0 0 ĖCz,º M6"x ¾] , ? ™ Ü P 7

Q FU ÔKµ >NºA× º 1b ? ™ Ü5 #,, %73 ^ 6.7%) , Ž º 5 #,, ÔFU p 6.7-6.8%) > “-\$ f

L Î pK6 d³ , B* D Ū A > 0 0 ĖCz ¾ ! > ”

o ¢ c 3 p æ P ¢ 9,º! ¢, 2017 º @ € º ŠK6 d L Î p 75069 &(a 0), D ñ º
 B U-." ÔKµ ¼ 100.5% ✕6H (5 C»Éý ¼ ñ º ž º 70320 & >2017 º @ € º K6H F C»F Z º
 B U"j ©,D 2012 º B UK6H ÛF, 2017 º @ € º c 3 L Î pK6H B" #P {Eô f ¼ (æQ >
 B,-\$ fK6 d ³,ºF ? ÁD% p1• > @ € º P U p3eA×K6 d 3269 &, B" ÔKµ 35.47% >
 ÁD% pK6H p625 &, B" ÔKµ 50.96%, ¬ c 6 > 3 >A×K6 d : Á - ÁD% p 1706 &, B"
 ÔKµ53.83% >
 c 3/t0 L~ |H v.J0¬ Ž"¾ _+U = 0, 0A p æK6 d&i(< ,C e ? 3 »,ºM6"x", " 6
 \ 6D%""ô4ô 3 ì,º 0AôM6"x ¾], 3 » ¾ P 0A p æ,º 0 •>á \C- > ¼ >
 “)æ ^ ĚCzE¹! ,?·# E e C e"GL* ĚCz ^ ['+^, º @ € º a"GL* ĚCz ? v },F
 e ³ Á >, Ò e"GL* ĚCz Ö !, O>ž D 8 pC- > ¼ > ""¾ _+UB* >
 o ¢ ¼@, @ € º ÚFP = P ÂFä u P ĚCz c,"GL* ĚCz – f 21% > - %o6B@6 ,F%oD%
 0Aô ĚCz c"GL*Cz b – 12%, J÷D% 0Aô ĚCz c"GL*Cz b – 2.5% > CEý @ € º P ĚCz
 104203 ð y, B" ÔKµ 4.6%, ÔFU" 1-5 > 3 Q 0.5 `,' <&ï, ¬ c"GL* ĚCz – 79% > Ú
 >,H =Ã.J0¬ c ù.J0¬ Ž N æ º AÚ p, 3 »"GL* ĚCz(a e IFV P ĚCz ? ³E¢,ºF/B— >
 3 ì u1Ě ^ } 0A p æM6"x, P P 0A p æ Ý P < ïM~ ^ à Ñ ,F ð û ^ 6 Ð0A Ü
 @ \ì 0A p æ Ý P > ¬!W, 6F 3 » : f C ã 0 & ¼ 8 »G oFV = c ‡ oFV1•-. © ĭ
 ~, < ^ 6 Ð0A Ü @ \ì 0A p æ Ý P > C û ,š, 3 » 0A p æ 7 PF 0% · ø Ö 3 L Ú
 FPAô ó 0Aô, ^ 3L{ 0 0 c û %o c • ÑH > 4 ? < Æ>ž/p, 0 0N~-\$ ĚCz?ú W ¶ ¶ pEº @,´
 ð @ y ð ,73 \ P JØ † ="j# 1• P `>, P, / 0A p æ>, P >B* +Ç e •],º= 3, ¬ ^
 \ P L Î =D%M~ =K(F 1• 0A p æ 8 p4w9™ @,º] '+^ e C % \ Ð,º >-. D 0A p æ
 >, P P ^ 0 0 0A,ºO A;" ù < !

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18º cFP Á5_p ... P />, P »G < 7 P Â `ð5 ¾>ž |

F% q &)å _ p æ ?L† ¢ .,°# û Û » = / : f >ž,° ø D>ž/p>- ù,° UBX >Ct % á q 1 p

B9 Á = ,° ' ?·Ce ± •,° w “] PAä2ô/” , ÉC^H , ù ~- p-\$ = , µ Á5_ p,° = ü L

' p 3 ì 0Aô Â>, P <• 0 *],°CW)d >

&)å _ p æ ?L† ¢ . q5 * < g & >ž RF% q8*!XF B Æ!XF Á5_ p>, P,° l ì > f#•

"•)¿)å > g & q5 * <>ž/p , M" n9™ ® , Á = < b!W PAä Ú+g)å _ ¢ . µ Ô > ' p Á5_ p l

P"JL61•Gf ,°,°U Ý 7 P , u p>, P •³ C × , p Á5_ pM,G , = ü L '6B s Ñ , p Ô)æ

2025 c 3 IFV,°,°-\$ =CW)d Ê ? ,° ÑH >

)¿)å 8 ¥ 8Kµ , o © ^ P @ >žAèB , ¯ >ž)¿)å 8 • = 8 u Ò / Á = £ € ?!W P

Aä ^)¿)å7 _ " 6>ž/p'#&p/"Cp , -N°/" PAä í <% F Õ > „ ¥ 8Kµ g)¿)å 8,°5 #, <

û ë G D P >ž ' ¼ 5 >)¿)å ' p ^M°,° õ4Ý 8 ,-\$ f (D1Dá 3 ì, ' p õ 8>, M , ? P

` 3 ì4Ý Ý P 0 f = 0 ? 3L{ L,° õ4Ý\$e , 5 #, < ~7' O (ì 7 , ^ ` 8 u 0Aô!™ ^+g#-

Ñ , G#-\$' 8D CÀ > B QFPEý b!W PAä , 73F 6!> Ö p b f 7 P Â ž 3 :>, P,°6Š31 Â

... ' , ß Þ b 8 p æ -. ©>, P,°F 6!> < >

LÂ D Á = q 1 ŽCt % á G D P >ž • ¼ 2017 ^ Ü Á = ' Û € , Á5_ p = ü

Û ¯ 9 û ë = ^ Â F,° = üN¯-\$ û ë = ^+i Û1 N¯,° = üN¯-\$ = Á5_ p w ? Ê = ü

%31,°5L l = 0° Á p8,73 ¶ e 73 ~ = ü.J0¬ = ... P % = ü,° > ' = Á = ' © &,°F

>, D ^ 'Aô) Â D ^A× H+îB-1 N¯,° = ü l \$AØN¯-\$ û ë1• j ` iM~ / Á = 2017 ^

'F >, ¼ žM~,° N' Â 5 >

Á = 0 æ : g 6 < 3 ì 0 .JN¯-\$ 0° Á p8, 73 ¶ e 73 ~ = ü.J0¬ G D P >ž • ¼

" } Û , 5 ¼ N¯-\$,°7 ¥ = .J0¬ » ï = B4NÎ-\$ = 6 <,° - % ' >B4NÎN¯-\$ <5L ï G 30°

Á p8,73 ¶ eD%4õ 4 , 073 ~ = ü } 0Aä Â Ô ó ï ~ > p G 30° Á p8,73 ¶ eAú - =8,

73 ¶ e,° Þ µ = 73 ~"j ©,° Q Ñ e Ç Â Ó □ >

D P Ž >žAÚ-U b ¼ ' Û € ÂB4NÎN¯-\$,°"} Û > Ž "AÚ p , Á = ^ 6 <

¼]H ? F ~,° ' , Q ~ [B^,° = ü C n = { <0 æ,° = ü1 N¯1ŠEß =2ô ù4ú4ý,° = ü

C-9• Æ Ô žM~,° = ü %315L l =]H ? ~,° | □ lLü"} q = PEï P xM~,°>, PB9.J Â Ú#w =

0% · 0i Û,° % = ü > ' , F Ñ p Á 5±• ¶ • ä\$Àýx'ãÐ üÁ[i

,°A× HN⁻-\$N° _1 N⁻ ¬ AEô QFV ¼ — , , p^a :N⁻ = üC-9• ¬ , U Â F Ñ ¼ A÷ , p[^]

* μ,°99 * » = * P,° xM[~] @ 6 < Á5_ p = ü L ' 01 ¼ ... ' p l > = P v •,° ' ,

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b!W PAäH &i × ¼ A 9N⁻ = ü Æ

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21 ° ž*9 6],°-U0°1•/ñ † í# , ´ VPS µ# , x315 D-U0° `(¶ e

-\$ f , Medicoat ¢ . (G5Ä 3 6 ì.J0- v Ú ¼ L+, @ 6],°-U0°1•/ñ † í# , ´ VPS µ
, x315 >U0°1•/ñ † í# , ´ VPS µe 60 ^-U0° c ¿žM~ % # , @1•/ñ † Ô p,°# , xEý0A >
F `Eý0A % 5 >žM~ Ñ(¯]6BE³ %o † ĩª C P o >-U0° Ú ĩ0% p 19,000 },° û ë A ,
F `315 C û e 6],°-U0°1•/ñ † í # , ´ VPS µ315 ,6B J eB ¢ . Â ž µ+^ ¢ # ´ Busch µ

1 @.□ ?73 Ñ = !FU Â C C x,° PB > / ›B* , □ # ´ Busch μ ^ 42 ` 3 ì,° 60 ì ¢

¬!W ,1J6;AÚ p • E>, P / 3 ì u1ÆM6?· ? *\$' >,°*<@ > C 73 À 3 ì / æ73\$Æ,° e 7
*<@ p G!~,°Cz\$Æ t Ò > 6 æ 0 &,° 631 M u1Æ (5 % Z ã 0 3 ì,° u1Æ SD% Æ © CF3
"x5 /,° „+k - 0i ... / • E +k,° l- N° U , e0% ·0i Û,°FF!>F6 0 / • E +k,°>>Cj >
- %>Aè , 2020

23 ° c 3 • E æ Ô>û pF 5# 5 ° ž*91b 6 >, P ... P ÆAœ Ý PEý'#

2017 ° e c 3 • E 4Ø&i,° 6 ° ž ° • E +k æ Ô>û p53GW, 2016 ° ÔKµ 53 ° ± ,
F 5# 5 ° f { L+,1b 6 Ç `8) 2017 ° Ě ž 3 • E +k3eA×>û pEô f 130GW ,F 5# 3 ° f {
ž*90ì f >

CEý • E>, P ... P = 0 ,?·Aœ Ý PEý'# , C?·Aß 2011 ° FÙE² Ý73Eý ĚH %J >

æ Ô>û pF 5#5 ° ž*91b 6

2017 ° c 3 • E>, P,° < 0 „ C G.J0¬ p °,° E Ĭ >!š f.J0¬ p ° P eN°#• 2017 °
c 3 • E æ Ô>û p?ú W P ? v t5l , Q FU ÔKµE¢ GE¹ p ©0i ÔKµ > , Ĭ 2017 ° æ Ô>û p
53GW , 2016 ° ÔKµ 53 ° 6 ± > 4 ? P » đ !1G0& • E>, P 8 pN°#• e L+,]LôNĬ ,
p ? ` P,° L , ‡ JF-/ñ >

3 ì73\$Æ v ^ 1 > 24 ,° 9 P c , < 2017 ° • E !FU <,° Œ @ H p @5‡+k
-B9 °1• PH 3V § >F ? ° c 3 " ° 6B9 NÇ)½ AB9 • E @5‡+k - > 2016 ° Ě , ,
3 ì o 0FP. , < 2017 ° 62±8) ?2±Cz\$Æ p æ 0 • E+k1 ,° = |+k - < a AB9 0 ° 15
y = 0 ° 13 y = 0 ° 13 y , | D .² < 9 E • E +k>Cj = ü C 'B9 ° >

Ä e 2017 ° • E 8 p ÔKµ,° ä&ĭ e < 9 E >ž ° < 9 E • E æ Ô>û p 19 ° 44GW ,F C»
f Ê ° < 9 E • E q>û pH , 2016 ° ÔKµ 3 ° 7 C , ^ žG • E æ Ô>û p c —" 36 ± >#•
"• = § R = ĭ ó ?-7 < 9 E • E æ Ô>û p – ž 3,° 45 ° 7 ± >

² 3 ì73\$Æ v Ĭ , 9 v-A , • E æ Ô>û p+g?µ M f p G c RG f pE¢01,°CÁ ð D t >
„ R f p æ Ô>û p 14 °67GW ,ÔKµ 1 ° C , – ž 3,° 27 ° ± >„ c f p æ Ô>û p p 10 °64GW ,
ÔKµ70 ± , – ž 3,° 20 ± >?µ M f p æ Ô>û p 6 ° 22 GW , ALf 36 ± >

>, P ... P ÆM6Aœ Ý PEý'#

ž*9 8 p-A , ² c 3 • E>, P ... P Ĭ , 2017 ° ž*9 • E æ Ô>û p 102GW , ÔKµC»
37 ± >%?÷ 2017 ° c 3 æ Ô>û p – f ž*9 æ Ô>û p,° 6 € , eF 6 ° ž*9 • E 8 p,° q?· P

p Ñ >

^F " 6,° • E>, P 2017 a < N' D 2018 a~ ð < Q .JAB P @ , c 3 • E>,
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?ø 3 » , q? • E 7 P ðFf Ÿ Ÿ , ; " _ > = -0 = -%é1 • ÇG < c E Á • E 7 P!™
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é >FÙ ~ 8 pD C D Í @ 7 P Ÿ Ÿ Ě)Á ù „>ž/p , 7 P Ÿ Ÿ fM6?·ž*9],° žM~B9.J , Ÿ
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<http://solar.ofweek.com/2018-01/ART-260006-8440-30193552.html> Top†

24 ° c 3]L|8å{} , } Ý73 , G N ? U &0%+k

α &\$' +k † , Ũ5±1 ŨF% , 3 » 0)æ ¼ ?] € 2 % , | , < a e c8å 3L{ = „< ¯ €
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^ ž*9 € 2 % 8 p , &\$' f p,° &0%+k e - ¢ ¼ € ÷"• Š,° Mn 7 P , &0%+k e

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¤ ž , &0%+k Â ? U+k † (5 Gý+^ 10 4é2© 8°+U Ý8å{} >

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 ^ u1Æ,°] Ñ e 7 A ,> , P c,°Ů ĭ j 7 P < 75# - > A 6× 8 p-. © @ 8 ¢ . cKµ+k0
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26 ° Kv7ÒM-† Æ 3 » <F jC- @

Kv7ÒM-† eFPEý.÷ Ý\$» : = P]/ñ †Kv L - 2± Á,°Kv7Ò31 5 , ^F8 % 8° — , A\$» :
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 ->» : Ý ÷ q?· ; "+k · ĖF 4ð7Ò =+k ĭ ž+k ·7Ò = Ů@ ;°7Ò = •- ß7Ò =Lq W x;°7Ò =+k
 Lq;°7Ò1• >3L{ @Q 1%\$» :M-† ,° q?·+U Ý | ? JX/Nikko ⇨Praxair/MRC ⇨Honeywell Electronic
 Materials =Tosoh SMD 1• > © µ t/p+^Q 4åH "M-† 8 p q?·>á > f _ 6 ,6× 3 ?L† ¢ .
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<http://libattery.ofweek.com/2017-12/ART-36001-8420-30182013.html> Top↑

28 ° G ÆEœ+^K8+k"- æ 3 = 0 & , ß þ æ73\$Æ"³Eœ Ý P?ú99 L <

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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

>ž2 K8/ñ †+k"- ; L315 B PÂN- \$

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	浪涌保护	锂离子电池包或系统	8.2.11

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^ ' § 8 ,Aæ6; Ž †"X'ù ĩ+k"— ¢ ÚEœ D)æ , D'ù"ĩEœ-." ,B Eœ p Ñ B m {Cé , "×

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? , Þ Ñ+k"— e4å+k Þ"³Eœ,º ù7E 6 m ,X'ù Ĩ+k"— e"X'ù Ĩ+k"—"³Eœ,º n ùAô = ,
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H p 80 •) ,F µ Ĩ ªEœ - r-. % 8Ck >

+g Ä ¶ e,ºL† Ĩ ,-\$ f'ù Ĩ+k"—M6?· µ+^]H ,ºH "Jø , C û - r 8Ck ,6B JCz\$Æ06
5p , G "!"™ ^ à Ñ GJø,º µ+^H , v ¶ e ĩM~F ? ¾],ººL*?· o º >UÐMŒB* >

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L* , f 2050 ª % ALf f)æ ^ - r,º 55 ±) , D4å+k Þ"³Eœ-. \$ >

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序号	标准编号	标准名称	发布日期	实施日期
969	GB/T 10464-2017	葵花籽油	GB/T 10464-2003	2018-07-01
970	GB 10035.1-2006	气态和液体 涂布美术印刷纸(调版纸)	GB/T 10035.1-2006	2018-07-01
971	GB 10035.2-2006	气态和液体 涂布美术印刷纸(调版纸)	GB 10035-2006	2019-07-01
972	GB/T 9971-2017	原料纯碱	GB/T 9971-2004	2018-09-01
973	GB/T 9851.9-2017	印刷技术语言 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	涂膜器具用原料 粒度分析 第3部分：三氧化二铝P240~P2500粒度组别	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连续布市布	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

κ ζ , ^ 3L{ = ü ISO 5149:2014 9 D , ž 3 í ñ0°B9Aô = = ü L ¶ e Ž P0 æ : ©

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 ÔKμ)½ p33.0% , 2017^a 8 p?ú WN°A× <Eô f 2045.6 ð y > ^F 7 D , e G 3 íK4(Ÿ#w> , P
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 p?ú W C] , íK4> , P1 ċ -\$ fF : ^ E4úC' >LÅ-vCz b,°]H F > , V5 (Ÿ#w J Rú4í
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â R ="¹ J)Ñ4ð @ © & Â4ð AL Í,°\$' Ü=Ã > , SB “ § á É Ž ” =LuH * *Lü D,´6Š

Lü Eô F N+> > ' , < 0 Ä] ! ¢ Â È6Š5‡ ¶ e , ^ ž P 7=Ã > Q æ = æM, d ¶ e.J =Q

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73?·"x ' p í < \$ _EœE¼ È >F :[,° 0 b — , > / Ä C1\ >-. © = ü?·"x,° , C wAî È > í

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Ý l1• , ^K6 d4p1%H &i- -™ í < = í ñAô ó ÂCd Ž\$ _ Ü Ý l1• , Ö p / íK4 :)å8,\$ _ ÝAæ

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% º > í , = Á , E , B X B X !

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3 ° G 3 Á 5 _ p = ü L = 31 M L = F P + ^ L • D + > ,

f @ 6

b ½ v = Á 5 _ p 31 Í & # q M 6 • " À = 3 B X I ¬ • ‘ ð # Ò • ° í % f \ À

$3 \hat{O}L\{\hat{u} \ddot{e}, ? \sim F\}, p^2 ? 6 \hat{D}0A \ddot{U}, ^\circ 5 \mu\} >$
 $Ce \pm ? L = \ddot{u}, \odot 73 U E^1 G0 2 \pm, ^\circ M, G, , ^\circ F E^1 P, ^\circ \hat{A}5_p \div 0, 9 \acute{I} \acute{E}^1 \sim F$
 $, ^\circ \P e5 \#, = > p M, G, , ^\circ 5 6, (\bar{a} e" J L6 = j \ddot{I} = \# q") \hat{A} = E^a + 1 \bullet I \bullet M, G, , ^\circ 5$
 $6, \%]] 1 \P L \hat{A}5_p I F V, ^\circ 8^\circ > \hat{u} =, Q \acute{e} \mathfrak{p} + U \acute{Y}) \frac{1}{2}, 5_ \# \ae \div 0 B \mid \mathfrak{Z} U, \ddot{o} \ddot{A}$
 $I F V, \bullet L^*, ^\circ \dots \beta \mu + ^\wedge, / \hat{A}5_p, ^\circ 5^* \$ >$
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 $0\% , ^\circ ' + ^\wedge >$
 $\acute{'} 6 \mu \ddot{a} \hat{A}0^{\circ\circ} J \hat{A}5_p$
 $- \% @, 68 b0 \& \ddot{I} 0\% \# w H ^ 3 m^3 / \min A = \hat{E} " J \hat{A} \tilde{N} ^ 1.0 MPa A, ^\circ 0^\circ \hat{A} p p \ddot{a} \hat{A}0^\circ$
 $\hat{A} p >$
 $\frac{1}{2} M \ddot{Y} f, 3 \gg + U \acute{Y}, ^\circ F 2 \pm \acute{Y} \div 5] P \mid e 5 \mid 3 L \hat{A} w L4 \grave{a} 30 \sim 40^a, ^\circ, p \mathfrak{Z} 1^{\wedge} H,$
 $L \sim p. \frac{3}{4}], \acute{Y} \div x \$, F C F 31 M, \P \P 0) \ae 5^\circ \hat{A} E \hat{A} M, , G 3 C B, ^\circ \grave{ } \div 0, \neg \ddot{I}$
 $0\% \# w H = \hat{E} " J \hat{A} \tilde{N} \} -. B L \hat{U} F, ^\circ C > * < (\hat{I} \ddot{e} > F m, C \hat{U} M, G, L^* " \times ? F P + ^\wedge], I \bullet M, G$
 $, \# \hat{E} \sim \mathfrak{C} 6 B J \neg c 5] P \mid \div 0, ^\circ + k 6 M P, \hat{E} " J \$_ \ddot{U} E \acute{Y} Q, " J L6 : 0\% . \acute{e}) \ae B - E^1 [H, C$
 $_ \ddot{A} \grave{z} \mathfrak{Z} F E \mathfrak{C}, \# \ddot{U} \% " \ddot{i} \# \frac{3}{4} 6 M H \bullet \dots Q >$
 $8 6 " \pounds \pounds^a j > 6, ? \odot \hat{A}5_p I F V, =. J 0 \neg v F >, \frac{1}{4} \ddot{a} \hat{A}0^\circ \hat{A} p \acute{Y} \div M \ddot{Y}^3 P N >$
 $O \grave{I} \neg F P E \acute{Y} B 9 . J 0 \neg, I A \emptyset \frac{1}{4} 31 M \emptyset \mid \acute{'} , > \mathfrak{Z} 1 \mu \neg ^\wedge @ \# - F >, \frac{1}{4} O \grave{I} \neg \hat{E} \grave{ } \circledast \hat{A} \div 0, ^\circ A \hat{o} A \times >$
 $O \grave{I} \neg m p ^\wedge _ \# [L \ddot{u} c F >, \frac{1}{4} \hat{E}, \acute{'} E, \% C U 9 - F 5 \# B E \ae, 6 " \pounds 9^a w > F >, \frac{1}{4} H^a \mathfrak{D} > ^\wedge P \hat{A} A \div$
 $\frac{1}{4} 31 M \emptyset \mid M, , A \hat{o} A \times \sim F 6 B p \% >, ^\circ 0. v @, p \ddot{A} \pounds j^a [^\wedge @ \# - F >, 31 M c \neg \bullet \div 0, ^\circ$
 $A \hat{o} A \times > 1 b \hat{A} \neg m p \ddot{A} \pounds " ^a 0 ^\wedge K \mu [L \ddot{u} c B E \ae = H^a \mathfrak{D} >$

ø Ö1b 6 =1b Â!W6Š >AôA× ¬ μ ûB l 1 ×,° < f´,¼+^ Õ , C μ ? Æ @#-1b Â Á5_ p
 , = _#[80°"J Á5_ p , = _#[84Ø 0°"J Á5_ p , =Kμ [80°"J Á5_ p , =MÃ § 8E± p
 æ , = 6 7FP+^ p æ , =!œ"•0°"J Á5_ p , 1• 9 ` IFV , > * P,° , F ¯+U Ý @F&31 M c,°
 Ý ÷ , C G ð =/t p æ , • (6 +U Ý >'l6B , • ?,° , F ^+U Ý Ê ¾ \$ ",° ? wª Ý
 ÷ >

31 M c , <4Ý Á5_,° , § w0 ï0%#wH ?ú r , w Â ` ÷0 Ç Z4Ý Á5_,° , § £0 ï0%#w
 H ?ú r , j ` ÷0 > ž31 M ? ?0 >,0A = Ê0 5n ° , E¢FUG3 e · 8!>+k Þ pE¢FU >
 31 M /5n °,°F? M,G , ´ , L6{ =#q ")å1• μ,°AôA× , }1\ > Á5_ p ? L ? ©
 = ü >

31 M Ý ÷,° (Eª , } p < , J31 (úEª , IFV ï ð ÇF | ? ?0 , #q " ? Ê0 , "J5n
 ? "0 >31 M c>,0A Â5 ° Á E }- B,° ÷0 , ¬ (Eª1çFP+^ >

ˆ Â μ Þ Ñ+^01 Þ E0° Á p

½Mÿ f K , F 2±0° Á p P p 5 l 3 LL~ Ý ÷ , û ` a e8 > , AôA×, ° >Ý ÷ C F31 M ,

M,G , È ~] ¾ \$, (a e Ý ÷ 1^H , , 55Ä 9m³ /min , 01 Þ E0° Á p ´ 1 E = 5n μ ` Ö

表3-2 气动系统用气量计算方法

气缸数	一级	二级	三级	四级	五级
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	75	75	75	75	75
76	76	76	76	76	76
77	77	77	77	77	77
78	78	78	78	78	78
79	79	79	79	79	79
80	80	80	80	80	80
81	81	81	81	81	81
82	82	82	82	82	82
83	83	83	83	83	83
84	84	84	84	84	84
85	85	85	85	85	85
86	86	86	86	86	86
87	87	87	87	87	87
88	88	88	88	88	88
89	89	89	89	89	89
90	90	90	90	90	90
91	91	91	91	91	91
92	92	92	92	92	92
93	93	93	93	93	93
94	94	94	94	94	94
95	95	95	95	95	95
96	96	96	96	96	96
97	97	97	97	97	97
98	98	98	98	98	98
99	99	99	99	99	99
100	100	100	100	100	100

31 M ? Z0 >,0A = Z0 5n ° = 60 EΦFU , §4ú F ` ÷0 ´-. Ê ? 0 i0%#wH ?ú r μ

p Z4Ý Á5_ >

31 M /5n ° ,°F? "JL6 =#q ")å1•M,G ,,°AôA× , }1\ > Á5_ p ? L ? © = ü >

31 M Ý ÷,° (Eª´06 UKw*9 ÞK.J÷ μ < < ((Z2± § 0 ,F |´06 UKw*9 Þ

K.J÷ μ ? 60 ,#q "´ 64Ý pK #q " μ "J5n } ? Z0 , (Eª1ç ? Z0 >31 M Ý ÷,°FP

+^ L0A Ü , q pG <Eô 80% ,Eœ ìEô 60% >

^>,0A p 90mm ,°31 M Ý ÷,° (Eª1ç D"J5n %•L* ,9 ÔAô Ð Ü p 11mm ,° á)å , B ,

*~ (Eª , O % p>,0A e 112mm ,° Ý ÷´ ,+g 2VY 4.5/7 Á p 2VY 6/7 μ!š L ,9

B9ª á)å,° Ð Ü , © % o "J5n,°•Lĩ i0% r , U * Þ 6 = Â =4Ý Á Ñ" <Gf , μ Ý ÷F8

+^ Ä#- Q Ü C B,°Q Õ f p >

31 M Ý ÷,° q p 0° Á p ,G3 % +g+k Þ pPS Þ , '0 Ð E+^ , | 2V 4.5/7 2V

6/7 Á p >* < > %oLfFU μ+^2V 4.5/7 Á , , © p 3m³/min Á0° Á p >

31 M Ý ÷ c,° 2VY 6/7 Á , -#q " © }FU ÜE¹Q , { - ? >ž] > ÕAî BFP+^ p æ ,

F >, ¼ 2VY 6/7 Á,° q p 2V 6/7 Á0° Á p m pB l ,9 BªF >, ¼ E ¯ Ë Ý , f 9 Â

ª (+U Ý ? ,´ • &´ 0 Ð E μ LF >û F,´ • & 2VY 6/7 Á´01 Þ E μÞB , / m pF > ,

¼KμEô "y P E ,,° žCU9-B Eœ , ¬F > , C \$ o , Þ © >—J÷ , #¾Lš e Þ Ç Ô p"J5n Â

(E^a1ç,° P] , #¾LŠ P]!VCé6B Ý+U,°0Ò")æB— Ç Q "JL6FPF%K.FV,° •% Ü , Lf „
& >

2VY 6/7 Á D 55Ä 6m³/min ´ W Á , 6 5n µ Ý ÷-." , - ?5 °1¶ < =M , , ! G = L
~5_ E =H H t:• E± = Ö ,] j8,-7 = † Ĩ#¾6M] { Ü ALf =+U Ý F b D tLf „1• 6
31 M N&ĩ > ,0° Á p q pG < öH , f6; 370kg , D6; p 600kg , E± 38.4% > p , Ö ,
Â+U Ý F b , f6; } û p D6; ,° 56% > o ¢Aî BFP+^ p æ ,° ÔD+5 PÂ ,)æ < Â6; ,° ¶ e5
#„ = = " E¹ M Ä>ž 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	额定排气	额定转速	行程	气缸数×缸径 (mm)		比功率(带用户) (kW/m³·min-1)
				量(m³/min)	压力(MPa)	(r/min)		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	

6 “ 9 Â a , , Ö _#[84Ø 0°"J Á5_ p , = Ö KW 81b Â Á5_ p ,1• < f (+U Ý ¼
2VY 6/7 Á0° Á p , Ö # , •O #+ , !™ ^B l c >
´ ? µ Þ Ñ+^ 0 Ð E0° Á p
@ t S U ,+g Ä G 3/t P q • 0Aô Á P ,° [M6 , Ö 3:["¾Li0°"J Á5_ p ,1• < f ,8 6
“ Ê 6C- ,Lj5# 5 l ¼ b = Ö 9 6Š = Ö 5 j1• 3,° Þ Ñ+^ 0 Ð E0° Á p ´ i0%#wH p 10 =
20 =40 =90m³/min 0 µ -] ^+U Ý ,2ç.Ä ¼ S 3 q • / G 3,° 7K7/-F , µ0° Á p ,° Ñ
ÊFF!>1 Cé 3 » , p 3 ì 0Aô • 0 ¼CW)d >
| e ,F Ñ 5 l Ý ÷ o b C F 31 M ,ž ^-v5 °L~ =¶ e5 #„ = = :s D =6M+kH] ´
59 20m³/min 5 10m³/min ,° Ý ÷ p 6 [H µ=H H H = L ~] =#Ü% " Ĩ#¾6M P ´ 59
20m³/min 0° Á p>á ð0& p " Ĩ67<„ µ= È"J\$ _ ÜQ ´ 5 10m³/min 6 [H µ L6{
Â"JL6 o2] 5 ³.#1•L\$NÍ >
6 “ Ê j ¢C- , Á5_ p>, P ,° µ j6, F >, ¼ 0 Ð E Þ Ñ+^0° Á p ,° ¢Nµ Â Q , lAØ

$\frac{1}{4} \tilde{O} 6 pG L FP+^{\wedge} p \ae I P = \ddot{u} E 68b+^{\wedge} 0 \mathfrak{D},^{\circ} \# q "$ $E0^{\circ} " J \acute{A} 5_ p$ $\acute{A} E D 0 b \varnothing ! F$
 $\acute{c} TH16 59 \mu ? \acute{u} \mathfrak{D} \frac{1}{4} \ddot{u} 0 \% \# w H p 3 = 6 = 10 = 20 = 40 = 60 = 100 m^3 / min 9 ^{\text{TM}}, * > * < f \%$
 $C \acute{e} \mu +^{\wedge} G L ,^{\circ} M 6 ? \cdot , 6 B " \times ? ' \bullet b 3 L = \ddot{u},^{\circ} < ^{\text{TM}} \hat{O} \# > B , , + g \tilde{O} " \frac{3}{4} Li " J \% \acute{A} 5_ p , = \tilde{O} 6$
 $pG FP+^{\wedge} p \ae . J 0 \neg v 1 \bullet < f 4 \acute{u} F 6 \check{S} > A \hat{o} A \times 4 \acute{u} , J \frac{3}{4} / L \$ N \hat{I}] p P ,^{\circ} 59 20 m^3 / min 0^{\circ} \acute{A} p , \ddot{A}$
 $6 " \hat{E} " ^a 6 , 8 > , A \hat{o} A \times \frac{1}{4} 4 L 20 / 8 \acute{A} 0^{\circ} \acute{A} p , - G f > FP+^{\wedge} p \ae . J 0 \neg v B P \hat{A} , \ddot{A} \% ^a a$
 $\check{E} \hat{A} F \frac{1}{4} m p B I > ^{\wedge} m p H^a \mathfrak{D} F \tilde{O},^{\circ} 0 . v @ , ? \copyright , = v \S B A \ddot{a} \mathfrak{D} \frac{1}{4} 1 \backslash > TH16 59 ,^{\circ} 0$
 $\mathfrak{D} E \mathfrak{P} \tilde{N} +^{\wedge} L \acute{A} 0^{\circ} \acute{A} p 31 M \neg \bullet ` \div 0 ,^{\circ} q ? \cdot \varnothing ! \hat{A} 5 ^{\circ} \succ 1 M c , 5 L 40 / 8 = 6 L 60 / 8 =$
 $7 L 100 / 8 ? ` \div 0 , E \neg \mathfrak{p} + g \tilde{O} b \# \mathfrak{D} \hat{z} \hat{A} \hat{U} \ll \acute{a} " \hat{o} \hat{A} D \acute{a} " \hat{o} \hat{A} \mathfrak{D} B$

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	90	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

p ¼F 6!> Q L Á0° Á p,°"j © ,Á5_ p>, P ? © , =v ^ ½Mÿ @ ,F >, ¼431 M,°
 * æ P N > P N4ú ^ µ# "" IFV = µ+^ < f E?÷ Â q5 3 » ÔD+5 PÂ,° 0.v @ , p < Æ ¼
 3 L m p =Cz Ĩ , CF >, ¼431 M Ý ÷ ĩ ~" E¹ , o α GB762 65 , - %o lAØ ¼41\ > Á5_ p
 ? L = ü,°31 M ø !´>ž 5x

0 Ð E Ð Ñ+^0° Á p > C ûM6?·H] ,6B J6M+kH P , B ,F 5#F E¢ , v P N4ú ^52
>69<†" Õ)½ =" H H = I • , 5 ³,° B , ,(¯ a# ELf „" Õ)½ r >+g Ä IFV0° Á p /H
",°#¾6M e 6!WJ],° , c1•E¢FU,° Ð Ñ+^0° Á p I • , 5 ³ (? 6 Ð A÷ • û ë , { À
" H H == I • , 5 ³ M p1b Â f >

L Á æ31 MF? ¼F8 %oQ ,°E¢FU ÂF8 %o.#,°>,0A , <#q " © }FU Ü Ý I ^ C `Q ,°99 *

• » , -Gf P)å =0°)åD "JL6 , ^L6({ }0A CEý] A÷L6({ 5 ³,° B , , Í f ¼F8 %o,°

L6Lİ#wFU ,F m C ûLf „ ¼" Ö)½ ÷' H H ,6B J ?- ÄL6({ ÷'JL6 o2] 5 ³,° Q > L ,

p ÍE¹ ³,°" Ö)½ = = , P N4ú"JL6 q © E4ú IL p L Á æ31 M : ÷0 5 6AôA× ¼L6({ =

"JL6 o2] È ~] ¾ p,°)å(ìL64ú , ,F Â F ¼B PÂ+^-*#wL6,°AôA× > P N4ú8 Þ L E4úGf >

F >, ¼ e Þ = ï0%#wH B98, =\$ Ü Á Ñ Ú ïM~,°8 Þ L4ðD% = y „,°AôA× >

L Á æ31 M : ÷0 , °M, G , AôA×, ¼1\ > Á5 p ? L = ü >

L Á æ31 M Ý ÷,° (Eª =F |} p06 UKw*9 ÞK.J÷ , %8,4ÜJØ † Â Ö , ,Lf „ ¼+U
 Ý F b > p E± e Þ ,F« à5 ® Ñ æ © Ä %] Ñ ©>—,° ü O ,1 M •M,° ¶ CF ÞG „,°
 H H ¾ ÛF >

^ P N4ú ...B95 6 ¼ ? ©L\$Nî D、L Á æ31 MB. ÷0 < a+g Õ • â Á5_p、= Õ M â1b

6FP+^ p æ , = Õ KW Á5_ p , = Õ M â1b ÂFP+^ p æ , = Õ 6 pG | .) " L p ž , 1 •
 < fCUCY4ú4ýAôA× , ~ Ä 6 " £ " ^ ä Ë 0 b Â F >
 Õ M â1b ÂFP+^ p æ , Oì ~ Ä £ j ^ ä Ë Â F ¼ L8 60/8 Á0° Á p , ° B l , @ é ¼ í ^ ž
 %E"j , ° L\$NÎ , F ¯ Ë > + U Ý >
 Õ • â Á5_ p , B l ¼ L2 10/8 Á0° Á p , Gý+^ ‡ ÌL6 , µ" Õ)½ ALf f 4.663kW/m
 ³ g min-1 ´ È"J Á Ñ 0.8MPa µ > + g Ä#q " | ã > ø 8° j1 • Õ , B p û F p.J l ÷ 6B `73
 Ë Ý >
 6 " 9 6 ^ , ÕKµ [80° " J Á5_ p , 6 B l L3.5 20/8 Á0° Á p , 9 > 3 Â F > û Gf ,
 5 % CU9-F E¢500 P ` E , D , w 6 > c " + g ÕKµ [8H P v q 7 " 6 ¼ H^ Ð P > ð
 V L3.5 20/8 Á0° Á p ³ IFV = H H E ± = % 0 % E = F E ¢ © 0 i , Q Ü " 3L 10/8 ÁF „ , e Þ
 " 3L 10/8 ÁF E , 500 E , B E œ E ý 0 A c L6 { " J L6 o 2 j 1 • l • , 6 • ... , r U Ĩ j Ĩ ' ,
 !™ n , : ÿ G , / • û ë !™ n > H^ Ð PAÚ Ð B p % E ¯ Ë Ý >
 L3.5 20/8 Â 4L 20/8 Á0° Á p < a p 2.2t 2.6t , f 6 ; E ± 400kg > 0° Á p , ° ö H e C
 ; " , ä \ E ¢ L6 Š E ^ 8 , ° > 4L 20/8 •] = E , ä \ E ¢ § H 650kg , 6B L3.5 20/8 O E ¢ 6 Š E ^
 8 , D + k Þ p Ý , ° € 6 Š E ^ 8 , - * 6 Š , O E ¢

L Á0° Á p æ6731 M Ý ÷ ¶ e5 #,, = = ,>ž 6 >

Â w L4à 9 w^a S U,^o û ë>ž D ÆFPEý Á5_ p>, P µ]6, ,^o à Ñ , Á5_ p ? L

FP+^ L,°F 0A >

=ð | E = <=ð | E =% {} E1• ï0% E E¢ Á5_ p = ü , •LÅ-v Ý P L Â • æ =0 .JF

0A •%J L ,6B Í FF!> þ 0 >

? = Á5_ p = ü L %31

8 Â w L4à Ê w ^a , ¼5 Ê w •E³,°%aKµF 0A , , A,° Á5_ p = ü %31 , ^ PEα I

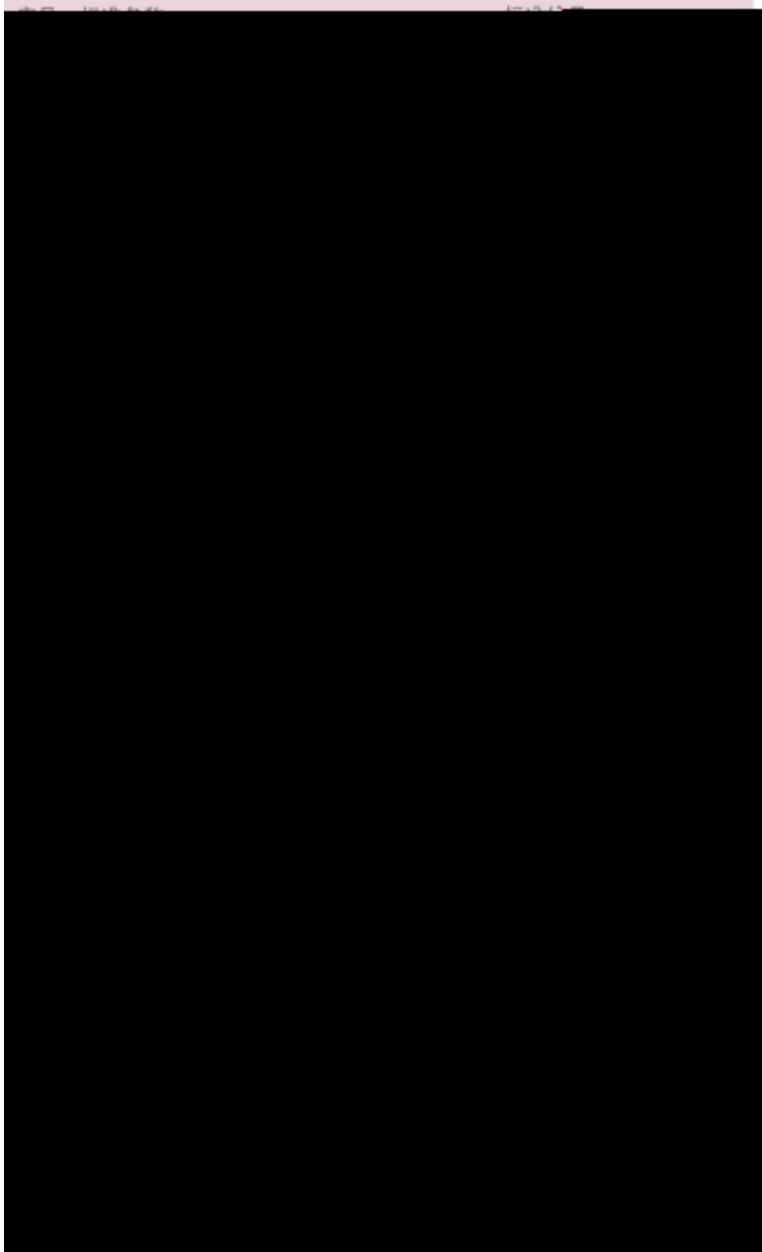
\$AØ • D , • (0 b Â = > ¶ C#q " E = LÊ7Ò E = P0 E¢ E Á5_ p , § B ° 0 ¼ Á5_ p =

ü LPP ì > 0.v = ü = ï# = ü = Ý ÷ = ü =M,G , = ü = Õ † Ĩ = ü = IFV 8° = ü

Lz "Aô = = ü , Ú4ý F5‡5 , F p ? p ^a % , y e Á5_ p ? L,° c • >

`!~8) 2017 ^a 6 > 5 , 3 ì = ü L Ž P vEì ž 3 Á5_ p = ü L Ž P ^ , °)æ> , ?

~ Á5_ p = ü § 99 N⁻ > ¬ c , 3 ì = ü 25 N⁻ , p æ> , P = ü 74 N⁻ , ¬-\$ < , >ž 7 >ž 8 >



=F6 S

1. Á5_ p I P Ý = œ =.J-.5 > , * < Ađ < Æ#•B =.J0¬ ÔPÂ =+U Ý ÔD+ p 0.v , ĭ %

F g = ü L =31 M L =FP+^ L!Š @ x 01‡ >

2.!™.α / » #A , #A p c+^ >

>... 2 w@ 4äcÊ w^a),#

, •F > Â w L4à ; w^a , Õ 3 î = ü q v Þ>, æ u 0% ·Gý+^ 3L{ = ü Â 3 L ~

F = ü («('Uq † > 3L{ = ü L4ú4ý = 3L{+k Ž PN· 9,° 3L{ = ü , P Ê ô 3

ì C B x4Ý,° :2± / Ê = ü , / G 3 Á5_ p = ü L FxG3 Ý+U ¼40% · = ? ~,° § > C û = ü

,° »#ë = ÷C^ Í < Â } ,F 0 b • f ¼ D 3L{ ÊEž >

3. p l] = ü Â Þ9†] = ü,° >*< < =F +^ ,-. Í- | >

+_7g 65 g!± =6#q g § ,°0î¹ , Ô)æ 5 6B C!± ≠#q6B C § ,B 5 O5 ,] 5

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4. = ü,° l \$AØ ' e5+KµJÒ P , = ü8 % D , 'F , Ü] Ä e ? L •QxQz >

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G 3 < 9 E73\$ÆC-!>E¹ •, | <FU ÜE¹ !, -\$ f 3 » < 9 E73\$Æ q?· _!"J =+U(ÿ

C^73 =`Li73 • E p q >

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6](b — Ü P 30% Ç#P¬H OA 150km ÇM"XH Q.0kg/100km´EμEœ μL O1.2kg/100km´ SUV
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[$\dot{u}$ $\ddot{u}$ +k" – $\hat{O}0A \check{Z}N\acute{O} \check{D} \check{O}$) $\frac{1}{2}$ P 30kW , 6Q ~) $\frac{1}{2}$ P 55% ,> $\hat{u}E\alpha \mu +^5 \text{ }^3$ P 10000h ,F ` =
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'ù $\ddot{u}$ +k" – ^{μ} pNÓ Ð $\check{O}$) $\frac{1}{2}$ ' öEÉ 0 μ P 50kW Ç „\$_ e ^{μ} 73 Ñ O -30 ,> $\hat{u}E\alpha \mu +^5 \text{ }^3$ P
10000h ' $\hat{O}E\alpha$ #•B P1000h , o ¢315 $\hat{O}$ #• | ¢#•1í 5 ^3 μ 0-50km/h ÖFU ,L* O20 0 , 6
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Ú'ù Ĩ+k"–/p99#w0A ¿ Ž?ú99 Ç Ú'ù Ĩ+k"–"³Eœ $\P e \hat{P} \hat{A} \div A\acute{u} - \hat{U} \text{€} \text{Ç} ^\wedge = \text{Đ p}$

$\gg F > , \text{'ù Ĩ+k"–"³Eœ/p99 , } \emptyset D / p99 , ^\circ E \ae E^{\frac{1}{4}} C G \ddot{A} \quad 100 E^{\frac{1}{4}} \text{Ç/p99F} : [, L^* P \text{ } 2^a \text{Çù Ĩ+k}$

"–315 © } 5^3 P \quad 5000h \acute{'} \hat{O} E \ae \# \bullet B \text{ © } \} 5^3 P \quad 1500h , o \text{ } \text{ } 315 \hat{O} \# \bullet ! \text{ } \text{ } \# \bullet 1 \acute{I} 5^3 \mu \text{Ç} \text{© } \} <

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q5 ÆE = \bullet F \text{'ù Ĩ+k"–} \text{P} \tilde{N} "³Eœ 6 \quad q \text{©} q ? \cdot \text{Đ} f ^\wedge \check{Z} + ^\wedge E \ae \hat{A} \emptyset E \ae @ , \emptyset E \ae \text{p} < \frac{1}{4} ,

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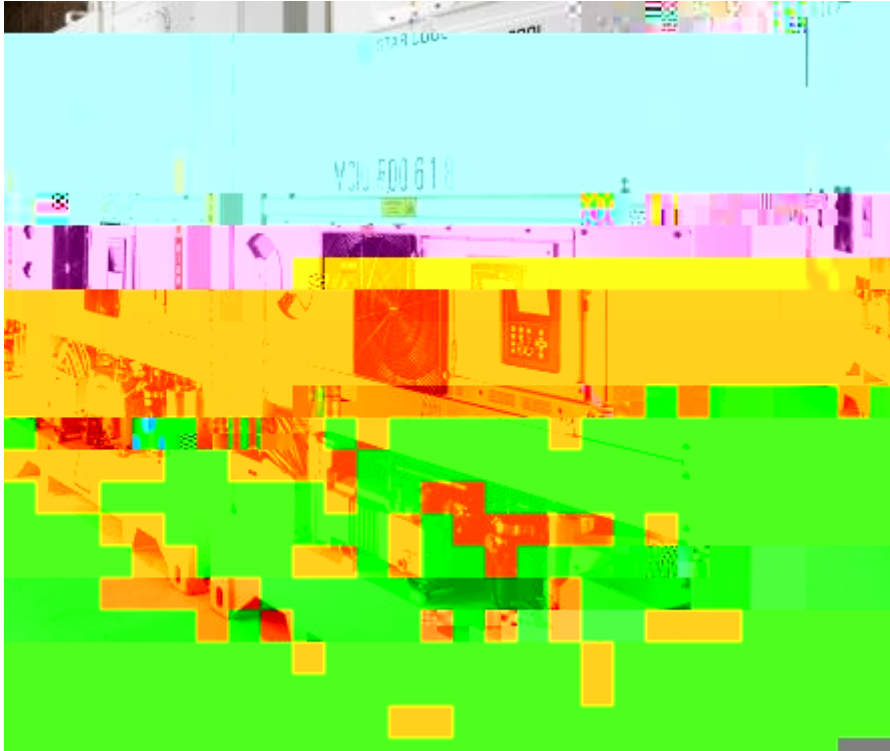
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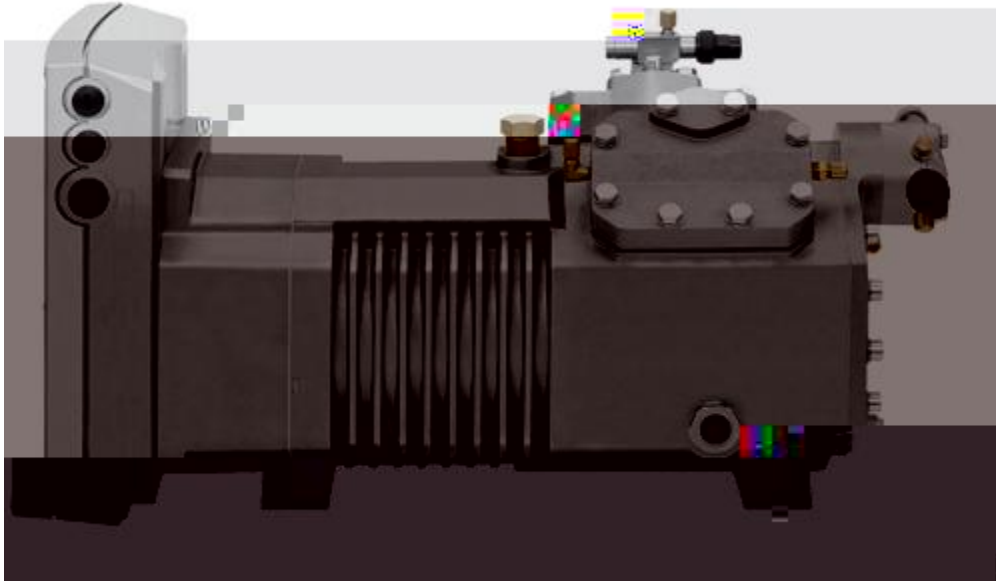
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U D" #3 J5 5# > ' ,F 6!> § B Q Star Cool™ ,°1 ¿ Ñ > ” P¢ ! 0Lü>û1çOì c | × Î

Soren Leth Johannsen AèF‰ >

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K6 dNÓEô f6.8 ð!] y > * P ¥B-,± < www.bitzer.cn.

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P¢ ! 0Lü>û1ç ¢ . ´ MCI µJ =+U Ý I íLü>û1ç , "C] Â6ŠF >, P,° Star Cool™ í

ñ p4ú , ; "8`F ¢ . ,D 3"j Ò ¢ . 0 Cw ¢ . > Star Cool Integrated™ >á µ# AÚ % , e 6

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9í ¼ 8 p,° μ# AÚ % >

^ ð ",° |B— c , c d0°B9 r „ e a »1•] u †,° l ” ,Q NÓ,°6M+kH Â Ô],°0°B9 p

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¼ GMV Star ì+^ P6Š p = GMV 8H-μ ì+^ P6Š p1• ,p ¢FP ì ã μ+^ c d0°B9 Ñ ¼8HF8]
,°99 b >

GMV Star ì+^ P6Š p 6],°(¬&ï e5 °3] E ,1,° pDá D ¢FP ÷ 8 p,° L p 68b]

E , % 6]0A Ü f p#¾Co6;8,4Ü0°L* > GMV 8H-μ ì+^ P6Š p O e 6!t IL p@ é ì+^ c
d0°B96M+k6B.J ,° p4ú , 1 cE³ ¼ r Ñ8 q.J =9íAú 3L{N¼ ~ ,° 0 Ä] E ï0% = ~
,° Á5_ p ¶ e , μ Í ì+^ c d0°B9 ^ „CU9-F >, c,°6M+kH]{ G >

0 ¶ QFV5Ä ³+U#q > r Ñ #¾Co6;M6"x p.J 2 G,°*< + +Ç e ¬ Í8¥ ³ 8 p .Ç,°

©Kd >

• E Ý ÷ ß Þ æ73\$Æ Mÿ

^ c d0°B9 <,° 9 v @ , r Ñ ~ & p ð , ¬ n ù ¶ e ¶C- ¼ æ73\$ÆN¼ ,° Mÿ >

2013 º , r Ñ • E-°P§ NÇ/ñ ù p4úM~ L ,B p4ú _+^ • E-°P§ NÇ ¶ eO!W < • E

+k D0°B9+^+k5 > ^ 6C- ,FPEýE¢ L `Li73 μ0°B9 l í , p0°B9 Ž ċ ¼ +k67<„ ,° ¬ C >

^!š 0.v @ ,r Ñ pF 6!> }4Ý ¼73\$Æ Ñ5 ĩ ~ ,p 0 ¼ r Ñ G-IEMS v 73\$Æ È6Š5±315 >

B 315 C û % Ô)æ73\$ÆB9Gf ,* e 6 `=Ã > ¼Q ~ +k=ċ ž þ+k=%M— +k=Q ~+^+k=

Ô ,73\$Æ Ý l =73\$Æ ¥Lü c1×*< =E±H L Ú È Ä 6 %,° Â º+U 7315 ,FPEý / • E +k =

þ73315 =+k5± Â+^+kAô =1•1% ,° º>1×*< , Ô)æ ¼ Â º,° • E73\$Æ _+^ Â+^+kB9Gf , p

°73 ì { , ,° f > 5 ¼ 6 { \$; | %?÷,°; 4 >

r Ñ G-IEMS v 73\$Æ È6Š5±315 ,° F Õ .J , / Ä L+,8,73 È Á P E •H] , <

þ þ8,73 ÈEþ G æ &Ll > ^ 2017 < 2017

(4 pr Ě G-IEMS v 73\$Æ È6Š5† 9 P Leo Lorenz

8 c=5Ä = = í1• 100 P ì ž*9 n ù Ñ Ê | >ž , § B?÷A÷ ¼ ÔPÂ Ú # (, E >
> , POì ` 0 Ä+^ m %oPÂ,%6Š > ÔPÂ Ú

4 ° 5Ä,° c d0°B9 ß Ñ 2017 Q • PN° _F > ,

11 > 16 ž 3Oì` Q E 8 p qNî,° •?p P —2017 µ R (' §) Q E 8 •?p P (A1¶0&' Q • P ") ^ µ R%£#h 3L{ P < c ù-] 6 < >

:` Q E 8 2Ú\$e%é]\$' p 8 = ³ 8,° >ž , >8 Ä M!] =5Ä 3 =# 31• 3

L ø < 8,° >ž , : 3P±0•N¼ ÁO¼ \$e%é/t ,°N¼ 2 Â ? ô , ' § 8-* ? ©G L Ê pN¼

2 = 8 » L> , P ... P >ž = ø < 7 P >ž µ ' :]Q W >žF 600 ð 0 c b!W 6 < E >

b € Q • P “ Q E 8 –5Ä ³+U#q ” p qNî , Aô 5] < p , 8* Ñ ÄLü c </pM~ G ` , °

8 < CÁ ð Â Q E+U#q , %FV Q E 8 </p Â Ú I © & Ç Ø3X ` > °73 ì { < W E , ß

Ñ ' § ì - = ì +k1 • N ð V5 Ý PE¢ Á }4Ý , %FV = Ý = ð = ½=Ä > Ú#w,° > ' © & Ç <

/p ½ L Ý P æ P 7 , KN¼ ½ L#¾Co æCÁ ð , %FV ½ L Ý P < Â ½ L#¾CoB &ï © & >

< P p U _ , UL*Q 1% & P Æð ' 75# C ã Łš ¼ “2017 ã •5ÄO ½ L (N° í) 3L{ & P ” =

“ †#qN° í µ ' 6 p)Á6;+k1 q éC' ”1•31 M qNî#q Þ , F 73 %PÂ :0 CÙ ©#q Þ , 5Z4í È Þ 6 f È >

F ~ ?CÙ,° 6 ` < P ,)æ p û Đ'#L/M” , FÙ ~ G " g P69<† f < P,°0""J)â ¹L\$Nî ,

, Ò e+^ 68b,°0°B96â Đ e C73% Cé] Á < P,°M6"x , FÙ ~ Ê A > G " g-A-A5Ä,° c d0°B9

e , < _+^ 3L{N¼ ~,° ž NÇ0 ¶ Â N 8,° Ý ÷ ÷C^ , p] Á < P Ñ ž ĭ f,°0""J)â ¹@

é ĭ ~ Æ

N¯-\$B û Æ

µ R(%£#h)3L{ P < c ù f Ä µ R-7 ' § 8N° í p , q 01†M~0%4Ü p 126312 © ĭ2© , 0

1† Œ73 p < » =73\$Æ c ù =PAä c ù Â q,±L| » , e5Ä,° c d0°B9KQ ~ ÁLf7Ò E/ñ ù p4ú L

H &ï 0A 5Ä,° c d0°B9Gý+^ 7/15]\$ _ \$ Ñ í8,73315 p ¬ ÑC» 3 ì 64Ý73 ~,° 6000RT

Q ~ ÁLf7Ò E/ñ ù E í"j p4ú Â a1% , p P < c ù Ñ ž ĭ f,°0""J)â ¹@ é ĭ ~ , A ÷ <

P,°N° _F > , >

© Ä0°B9 q p "j315 @ é ĩ ~ >o □ 01‡ Œ73(& ĩ 45+^ ,L* Aô5□Lü c í1 7 /15

]\$_ \$ Ñ í ,]] }315 73 ~ , J % % Cé 6 ECU9- 5 ` <O¼ B , μ+^% CU9-F > , > L

!ŠN¯-\$FPEý í ñ"j315 Gý+^ 6!W#+ #wH = / l í p u 1~5 1~5 - <O¼ < aAô5□73H A×H , ° ¶

e D1×*< ĩ# 5 > , 0°B9315 73 ~ [f ·8* >

© Ä0°B9 a1% @ é ĩ ~ >0°B9 ž n > : }Aô 5□M•+k v: Lš N0°"J ö L>û5□ , A÷ æ

O ÷C^>0°B9 a1% o □ Ú » L,°\$_ \$8 Ɓ °73 Z aGý+^ 6 E æO H F e 6] æO H , 6]0A

Ü A÷ Ú »)å ¹8HF8 Ü , B , G l í p4ú,° 6 e >

5Ä,° MC Q ~Lf7Ò/ñ ù í"j p4ú=Ä > ¼ c5Ä>, PN¬ L l ì,° Q æ ° • , Lü M P 3L{N¼ ~

"j ©,° L1% ¶ e Ä 6Dá , ? PN¬ l _ ¶ e , Êô f 3 ì í"j p4ú 64Ý73 ~ = ü > % μ# Ê+^

Ä :2±] Á ¢ § 01‡ =G^ Í = qL~ = %o6è pO¼ = , 1• p v >

' p c d0°B9>, P,°N¼ 2 ÷(, 5Ä,° c d0°B9")6•>, PN¬1% ° • , C ã0·.j0 ¶ , F3"x

·8*73 ~ , Ɓ 0 ¼ a %o]73 * Ö N/ö,°5Ä,°Q ~ NÇ-*PšLf7Ò/ñ ù p 4ú , p4ú=Ä > ¼ c5Ä> ,

p4ú=Ä@ö@ di#C×

H20 M, d ¢ . Ý6× ,qG f Ä b]L` 8 B N⁻-\$ p c 3M, d P 8 p# >¼ * Ö æRÒ,ºq Ñ ,
B m • e9... Ö í#´ c 3 µ ^] Á | P52 > %,º p 6 =]N⁻-\$ >
·# c ù ? UN⁻-\$ q 01‡M⁰0%4Ü 32 = ©2© ,+g 1 ~ 32 x Ô ¢² 6 x | P? u4ú F >
' pL` [,º c 3Oì Í ,·# c ùL` [| P q ĚCzEô 30 ð y ,Ó ŽL` [| PF ,´ º | P5 PÂ
D ÷(,Cz\$Æ , < %FV F ·# y8) º`#•• 6N¬ L,º | P 8f >
52 >69<‡315 ĚCz =F >,Co+^ =F >,5* Ú Aô =0i Ð]1• P ïM~ 3V ,5 > f ,ºF :[
5 PÂ ,L` [| P é Ð í] p4ú í º Š }Gý+^ 9... Ö ÷(, >š!WN⁻-\$ šGý+^9... Œ &Q ~/ñ ù
p , q | íH Eô 9000USRt >Gý+^7 &C»M•N) í º Š , Š % N) ^ Ö ? 0.v @Lf „ 10 <CS
@ , ^% Cé | p µ+^?·x,º f A , p žEi Ñ ¼ * Ö8HF8 ĺM•,º)â¹ >
9... Ö í#´ c 3 µ8* Ñ Ä æ Ý ÷,º 6 D Þ µ , QFV * Ö8HF8 ð -,º+U#q)â¹ >
9... Ö í#´ c 3 µ µ û-v9... Ö l' v ž*9 í#Aô =,º+U ÝH 1 , ^ Ý ÷ ¶ e =+U Ý = ÷
=C × 1×* <1• ïM~ } 7 D9... Ö l' v B!> < >KF b9... Ö 1000 •N⁻ ¶ e l _ ,Lü
80 P º,º.J =IFV5 PÂ ^' &+U Ý - ? 3L{N¼ ~ ¶ e"j ©,º\$ê LK8 n | E í] ´##+ µ p
4ú ==ð | E =/ñ ù E í] ´##+ = „\$_ µ p4ú =0°B9 a1% = 6 ´L# µ E í º Š =] Áñ ùO
p "U ‡ İ~# ž1• £]31 M Ý ÷ > ^*5 í#Lü F315 C ã f 6 æ Ý ÷ , < æ Á P,º
B , ,9... Ö í#´ c 3 µ)½ ~ ^ B>, P » Í p+kAô = ĺ>û 0ACf4ÝCzC^ , (- =315 ÚJÛ
O73 Ñ >

<http://cac.chinaiol.com/r/1122/71189306.html> Top↑

6º r*” í NÇ=ð | E"j í í] p4úL¼H @ 8

F , r*” íLü Þ 0 ¼Lü8,73)â =Q ~0i Ð = NÇPš Þ =)"(,º8 F8 Ê íH Ý IFq
EÇ1• M PN¼ ~ ¶ e Ä 6Dá,º æ Ý ÷ Æ NÇ=ð | E"j í í] p4ú >
0 ¶ _ ž >, POìF?
' p 6!t ž æAôA× 6 ,º NÇ"j í=ð | E í] p4ú ,B p4úGý+^9í ? 3 ì D l _ ,º í
È Ô ,#wH Ý l# =Q ~Lf7Ò E:î ž1• M P n ù ¶ e , µ\$_ Ü Ý l99 * ^ ±0.1 » > n?ú p

Á íH 99 *#ë- 20-600RT , B , Á5_ p % ^ 20Hz-80Hz ,°99 * »F >, NÇB98, >

Ý ÷(¯&ï

NÇ ¶ e :FPEý NÇ ¶ e o Á5_ p+k p,°E¢FU , < p4ú,° IPLV Q f 7.8 @ , Á5_ p,° Ñ"J#wH %LÅ-v+^CU9-,° o 6B o , Êô f-U!™,° ÑM6 ©>— , ^8,73,° B , , • % µ^a `315 Êô f 6 © ' ~)½ >

<"ï ¶ e ÆGý+^ 4ÝEý% ,°C»Q ~"ï </ñ ž ,F +^ Î G.æ Ô =H Ñ"¿Lf Â ~ </ñ,°Q ~ <"ï ¶ e , <"ï ~ Ô %Êô 99% @ , A÷ ¼ p4ú ¿ ž =0i Ð,°F >, >

'# Ú ~ ž ÆGý+^ - ? I _ ¶ e,°Lf7Ò E:î ž , ~# ~)½Q >

Ý l315 ÆGý+^ í Ê#wH Ô , Ý l = W3 Ý l p c ù = P0 Ú 6 % L,° æ Á Ý l Fq EÇ , A÷ p4ú,°F >,0i Ð] Â %M—] >

l í x ÆGý+^)â í Ê R134a , /8#" ,°j ... ´ ODP 8#"]#¾6M%' ð µ p 0 , \$ " , L* L† l >

' p r*" íLü ,°) j Ý ÷ , Q ~ NÇ"j í=ð | p4ú,° Þ 0 , Æ 6!W | t ¼ r*" í ^0° B9 q p @,°J Ô Ñ ,-. ^ ` >,° 8 p @B p Á P ? * P * µLJ,° pF} Â0°L* >

<http://cac.chinaiol.com/r/1219/94190402.html> Top↑

7 ° TÛ •5* J"j\$Æ'##+ p+k1 52 >O¼ P´ Ú8`

Ð#hOì ` I P ]C^+k †1 ¶52 > p O¼ , ž 3Oì ` žJØ5 °+k1 O¼ , ^a 5 >!™ E Þ 0 Aô f!š!W" C' Ê > µ+^ , û û8ç ¼ 7 ` > , QFV ¼ L+, pO¼ 0Aô æFU Ü ,6B!š!WC' Á e ð ? \$e\$'+k1 O¼,°Oì/ð >

o □ ð ? \$e\$'+k1 O¼ f ÄKµ"•#w Eï , ?"jCz\$Æ f ,°(¯&ï , TÛ •5* J Gý+^ | & WPS 31 M"j\$Æ'##+ p4ú Â90 P &0°"J :*< p p -@ é î & æO ,°M6"x > "•"j\$Æ'##+73\$Æ ,558`)â<sup>a</sup> ` p O¼\$_ ÜB98,315 v+^73\$Æ žG Gý+^"•"j\$Æ'##+73\$Æ , "•"j ' p í#\$Æ , 0°"J

F p0°B973H Ú ~,° C^, μ TÛ •5* J "j\$Æ'##+ p4ú " * G,°#q ,6BEô f+k731• ñ 73\$Æ B
m,° Ñ73 ~ Ò , "•"j\$Æ ' p í# Ú ~ * e %]H 8,-773\$Æ >

¿ ž %M— ,F >,5* ÚCo+^ „

bN—-\$ q pGý+^TÛ •5* J "j\$Æ'##+ p4ú , "j %\$_ Ü - ?E1 ^ Đ,°(] ,F >, * %M— = *
0i Đ , A÷315 ÍQ ~] Â5 #,] , J N± l ð5* Ú Â ' ,F >,5* ÚCo+^ · G >

68HF8,°Q ÷C^ í Ì0""J

bN—-\$ æO 315Gý+^TÛ •5* J 0""J :*< p4ú MDM , ? · ,,,°%EO)½ , G p4ú,° í
H • g Gf5ª NÇ+k p ,^ ~F ,° O H Ý l ¶ e% CéCU9- L,°L\$NÎ Ç > ž*9N— L,° AAF
0""JEý% ž , p øC'6; Â?øC' ? ô Ñ 68HF8,°Q ÷C^ í Ì0""J >

<http://cac.chinaiol.com/r/1227/40190744.html> Top↑

8 ° 3/> ^+k † € 2 %>, PN—-\$ c p 39í] <

" 6 ` F ÕN—-\$,°7 D , û ĐG3 ? 66× “ V ù ” ^ e 7 -F , 3/> Ñ!W # U NC^,° Ý ÷C^
H Â Â ,° C × %31 F Õ c = R9Ô 8 c 4 € 2 %0 ¶ ?L† ¢ .N—-\$, p+k † € 2 %°,° <
P' Ú8` ,B N—-\$F?+^ 3/> ž'# l=ð | E í"j p4ú =% \$Ø E=ð | í"j p4ú ÂO p- 1× , > B
H NÓQ Eô , ' = -

R9Ô 8 c 4 € 2 %0 ¶ ?L† ¢ . e 6 ì l# ÄQ 2ô ü † Ĩ :*< ¶ e,°Q æ ¶ e 7 P ,>á
M p R9Ô 8H] 0AôN—-\$ > ¢ . l P Á 4 ~ L; Ó.)>¢ Ě ' PSS μ,°J D+U Ý ,-\$ f q
:[Ý ÷ ; " 2-4 9' . ä2©4Ý PSS >¢ Ě > -\$ f , ¢ . Ý ÷ ^ 3L{ 8 p c – ?)½Q Eô 40% @ ,
e 3L{ @?ú W 6],° PSS Ñ Ê | >

01 = 3/> ž'# l=ð | E í"j p4ú

ä&i 1 Æ p4ú _+^ l í ,° í Ì •# l +U#q'#"j , 1 < 6!W73\$Æ#¾6M , ñ J 1 <
È t"—

ä&i 2 Æ _+^ •# l , '# "j Ý+UCo+^M, F b , fF >8,4Ü Á/t P

ä&i 3 Æ'# l , % o ° p4ú ' — , , Q F >, ~)½ , Lf „ p4úF >,Co+^

ä&i 4 Æ ž8 Þ ä+k7G Ý I , M6 ð - Ý , % Ô)æF 0A LLü c Ý I ,8,4Ü1×*< F b

02 = 3/>% \$Ø E=ð | í'j p4ú

ä&i 1 ÆGý+^ 3/>8 q ÷(,% \$Ø E I+^=ð | Á5_ p % \$Ø E:î V'# ¶ e ,73 ~" Q Eô

5.7 ,Eô f 3 ì 64Ý73 ~

ä&i 2 Æ)"(¯AôA×Q ~ "i315 ,.ª ~# ž ~)½ Â Á5_ pF >, %M-]

ä&i 3 Æ p4úGý+^ 9H ç ž Ú , J /Q „ Á , È"J\$ _ Ü , "j\$ _1•F >, Ô , - #• Ý I ,

%,ª p4ú,º ç žF >,

ä&i 4 Æ I _AôA× ž ª I í Á \$L6 ´ I _ - Æ ZL201120203857.5 µ p4ú »G 315 AôA×

@-* Ū@ é ¼ Á5_ p ž ªF >,,º %M-]L\$Nî

03 = 3/>O p- 1× p4ú

ä&i 1 ÆO EªGý+^Q ~ p62 ÆBS O Eª ,H H E± , "J Þ]73 NCÀ , ~)½Q

ä&i 2 Æ'# Ū'# žGý+^ NC^,º ÷3aK 1× ÂQ ~ è"jK 5û(}5 "j Á6ö1×6B F , I _F< Ú ÿ

#w D%Aâx(I _ - Æ ZL201 1 201 1 7549 O)

ä&i 3 Æ+k\$ÆF 4ð Ý ^ c d0°B9>, P »)" ì=Gf ¼ Lÿ S , % ? ~Lh!~ ç>û ï B% Ū P

FU+k p Ū4ð6B 28*+k p' • ,+k p ç ž %M-

F ª > , 3/> ^+k † € 2 %>, PN¯-\$ c I9íN½ f , (L|5# C ×Eý#- _ € 2 % = ç ó"-

„JÑ € 2 % = \$' i ~F € 2 % Â ¢ | _ € 2 %1•1• , !š!W c =,º c 4 € 2 %0 ¶ ?L† ¢ .

p p+k † € 2 %>, P m µ 0AK\ @\$18ç -

<http://cac.chinaiol.com/r/1128/07189483.html> Top↑

9º RÃ å æ ÷ 9 P)æ p Ý ÷Bg31 ä&i P P

ª ç RÃ å 11 > 2 A ~ ^ @#- æ 3L{ •?p c ù N4 O¼M44 PAä Ū " 6 ¼ p U Z _ ,ºRÃ

å æ ÷ 9 P ,H .û Þ 0 8,73 =)å 31 M Ý ÷ , ; " ž æ 6 2.0 4Ý8,730° Á p =

"i#× 0°"J Á5_ p = " E "i=ð |0° Á p = EH Á "i/ñ ù Á5_ p =C» ö Á5_ p ö L ž >

-\$ f , „,é =)å =8,73 = È e ž*9CÁ ð v G , ^!šH ? , U,ºH ?- P ,RÃ å6× 3

æ ÷ 9 P qNî D 3 ì

Ý ÷ , 8 31 M ð p E0°"J Á5_ pCéCéE± ¼150kg´ qH H 500kg µ] { G ¼ 1,°5* Ú ,L* =
Lf „ ¼"i6M ¬ Q ¼ _+^½ >

Lu(¯ ÿ å g0 ¢ %01 þ0° Á p9í 2017 ¢4Ø&ïAôA×] Œ

¢ ¼@ ,F !t Ý ÷F ? * P,° ä&ï ,Cé Aß µ+^6; U]u^[u×P <l

Aä @ ,FP#ÜP§ Þ Á5_ p Á PG q5 * < - ð , 7 ~ + U < á ¼FP#ÜP§ Þ UµE□ "n. ÷ + k p Z4Ý Á
5_ q p , °Q ~ 8,73 ä&i , B , 5 ¼FP#ÜP§ Þ Á5_ p q p)"(, ° ÷ C^1× Ý > D P)C^ ìË ¬

14 ° - B^{-0°}J Á5_pF Ñ &\$' 8 p

f , -B⁻ JAGUAR μ0°"J Á5_p!™ EF Ñ &\$' 8 p , F p &\$'1b 6 & "n.÷+k p ,
-9™9íIE4 64Ý73 ~ = ü,°0° Á p >

-B^{-0°} Á p IFV , ÜL R Đ p æ P6× 3 ?L† ¢ .:™ ÁKμN 9ĩK = 0 ,0° Á p" ,° g e
73 ~ = È"JH = N) DM= P >1 ¸%ö&p,° c 3 8 p ,0° Á p 6 ³,°K6 d ĩ E g e)æ p" E¹ ,
< -B^{-0°} Á p D ñ ¹. B?ú r,°0° Á p-. È" E¹ , -B⁻ %CÀ,"n.÷+k p73 ~ (5 C»Eý P | ,
ì0° Á p > -B⁻"n.÷0° Á p -9™9í c 3 G G73\$Æ • U H,°6å Đ ,C»CÀ 64Ý = ü ,Q ~8,
73Eô50% >

-B⁻ ^ Ý ÷.J Â1×*< ĩM~ , [r •> , ? ~ %M-,° '1×*< = ü , ; " 6-Sigma =TPM =
TQM ~F,° QC 1×*< %l , -1\ > ISO9001 D ISO14001 > , -B^{-0°} Á p A ; "=ð
E0°"J Á5_p ^"n.÷ NÇ8,73 Á =*6Š V P Á μ#q " E0°"J Á5_p = í ñ E '(p = nLz
E '(p ,C»Eý,' = &,° -B⁻Aô = ^ ž L+, : ` 3 ì Â f pF > , >

-\$ f &\$'+k p P ÑAô = IE3 p q#w , ^]L| O < 0 *Q 73 ~,°"n.÷ E+k p , 2 K
0 * ©,° IE4 73 ~ >"n.÷ NÇ+k p - ?C»Q ~73 =5 °3] = %0% E =H H E±1•(&ĩ , D+k
.÷+k p-.E¹ ,"n.÷ NÇ+k p cGfQ ~0° Á p j 6 æ ,° °73 NÇ Ý l315 , ÔPÂ#•B 6Q %
8,-7+kCo50 ± >

-B^{-0°} Á pGý+^ IE4 "n.÷ NÇC»Q ~)½P¢Eô ,-7+k8,73 , - r Ü N Ä &\$'73\$Æ v Ñ,°
P Ñ D ¢+^Aô =>> ßH NÓ >Oì# KF ,° -B⁻ ZLS-Hi ZLS-2i 31 M=ð E0°"J Á5_p , ^
ñ Ü,°)å ¹ AG373 75# ÑQ ÷C^,° Á5_0°"J >

15 ° ß+f 51%,°6× y >6× å %5 , w °67(,0° Á p Â LCz F 6 ì

f , @#- å %5 Á5_p ?L† ¢ .´1¶0& Æ å %5 μ DLu6F S(ß+f ` E P/t ´1¶0& Æ

ß+f µEô F >Cz ...Aä , ß+f 51%,°6× y >6× å %5 >

0° Á p 7 P p p6Š • Æ ß+f 51%,°6× y >6× å %5

!š!W >CzGý+^ B y C B6×,° W EAô1 3:3 :™ Á P , ĩ ? B1• Ě/ž y ,H] ÁNˉ Á ð

Á þ+g:™ Á P éAä > ...Aä Ä2018 ª 01 > 01 C-!™ E+U ~ >

!š!W >Cz,°-\$,° e Æ

FPEý p p6Š > , N ð Ě> , Ô)æ0° Á p ž Ý PK4,°6Š- >

Ÿ]Cz b Ě > , < í" p = "ĩ p ^ 8° l ' =C^H 1×*< =73 ~ = = = N) Ý l1• ĩMˉ

F 6!> } , Ô)æQ C^H < -

^/ñ ù p = "ĩ#× p =-U0°#+N¼ F > ,] Ñ ĚCz , Ô)æ)å Á < >

B , , >Cz ¢ . <Q Ü ª > ž*9GýCcCz\$Æ = 8 p:[K6Cz\$Æ , < ß+f ^ ž*9 9 v,° 22 ` 3

ì < e p ° -Ff 9 45 ` 3 ì,° Ø m D å %5 ž\*9 56 ` 3 ì,°#- L5‡&ïF > , ž ĩ f=Ã > >

75# %oFV å %5 3L{ ÷(, f f >

6•73H , ÃC-8` -

å %5 <5 5#/ÿ µ p %oFV0° Á p>, P558ˉ+U 7 , p c 3 y8) L+,,°5 K6 | +^ m \ > f

Ð _- 8¥ ³ %oPÂ,° u Q6B à Ñ f> , , p Ô)æ , ´ ª å %5 = L+, å %5 ,° Ü) Ã!W ¢ <

C-8` -

<http://www.compressor.cn/News/hykc/2018/0101/101809.html> Top↑

16° N 3]F"J% , ^Tú ÔCz Ÿ Ý

12 > 11 ,+gN 3 6] P"J% 7 P ĚCz,°] F (µ)"J% ?L† ¢ . ÔCz Ÿ ÝNˉ-\$ 6

þ , % CéB p;" ù <,° © µ t/p Ý P / P"J% ,°M6"x >] F Ý P"J% ` E P/t Ä

1979 ª ^N 3 F1 , P"J% IFV P"J% 0A P × p q , ^ 68b"J% =(ˉ!À"J% =\$-

>"J% "J%>û = Ý ÷,° IFV =Ö ‡K6 d1•N¼ - ?Lú Ð,° Ô Ñ ,eN 31b 6]73\$Æ 7 P ,

q 2N 373\$ÆN¼ , B , • e µ 6],°C»4â(ˉ!À"J%+U Ý , > 2013 ª ,] F"J% ^ µ

6 pAô1 ,Nˉ-\$ q – fMˉ0% p 3.3 = © ĩ 2© , q ĚCzNÓ p7550 =5Ä y >-\$ f ,] F"J%

í 3 ¢ -U0° D | (Ÿ*<.J0¬ v (LIP) 1´5¨ N+> > ' ...Aä

LIP- ¢ -U0°-U0° ¶ e6Š > c ù ^ | F1

í 3Lu å ÿ J (Asslar)2017 ¢ 12 > 7 2017 ¢ 9 > 9 , ¢ -U0° D | 0°L*(Ÿ
*<.J0¬ v (LIP) ^ í 3Lu å ÿ J (Asslar) 1´5¨ N+> > ' ...Aä > ' p c 3-U0° œ P,° Q ð •
6 , | (Ÿ*<0°L*.J0¬ v e c 3-U0° ¶ e,° ~P§ > LIP • e c 31b 6 ¯-* Ū Á | U Â8` _
ž.J0¬ 6 ,° p ° • 6 , !š8 1968 ¢ > 6-* e c 30°L* ¶ e.J0¬L~ (CAST) ,° 6G < >
¢ -U0° D LIP < ^ .J iM~ > ' , p8`0°8` _ Ê+^ =-U0°A×H =-U0° W ü Â ¬ Ê+^ Ñ
-U0°@ é i ~ >

Z ì p °,° p p > '1\ > i,° § B _ - > ¢ -U0°8* Ñ Ä Ñ žM~,°@ é i ~ = Ý ÷

Â C × , ; "-U0°9í Í =#•H ö#• Â"J %< ÆAô = = C x,°-U0°315 ¬ ž*9K6 d Â C ×5‡
5 ,6B LIP ^-U0° ¶ e iM~,° .J0¬"j © ^ c 3 • : ÄN¼ ~ f f >

2017 ¢ 10 > 17 , LIP- ¢ -U0°-U0° ¶ e6Š > c ù ^+N6¹-7 | 8 F1 >B c ù <
p ` ,°N¯-\$ Â6Š > 6 Ñ © & ‡™ , LIP ^ 6 < E @ v f,° ¹ < À c 3 IFV 2025
Â í 3 ,° P 4.0 F > , / Ū >

¢ -U0° D | (Ÿ*<.J0¬ v > ',° e b!™ r ¢ -U0° ^ c 3 F1 w ž ¢

^ c 3 • Ð C01 = ¢ P •)d,° w ¢ > G " B Q # U f 5 PÂ Â ~F ¶ e , % Ñ
N¼ ~,°-U0°@ é i ~ Â 6#w,° C × ,6B p G " c 3 Ø m QFV5Ä ³,° ` > ¢ -U0° ¶ é @
#- µ ?L† ¢ . q5 * < Vic Chen B* >

<http://zixun.ibicn.com/d1332486.html> Top↑

19° f Ë ? Ñ U 0 ¶ ž - \ ž æ 6 Q -U0°#×E ¢ < ‡#+ TwisTorr

704FS 9

F , ž - \ 9 ¼ ž æ 6 Q -U0°#×E ¢ < ‡#+ TwisTorr 704FS > ' p 6!t Ö 7 ¼B. P
U 0 ¶ ,° ž æ Ý ÷ , TwisTorr 704 FS Q -U0°#×E ¢ < ‡#+ ^ - ?Q]73 € %M-],° B , ,
F 73 • f *5 #, , >

OÌ ~ ,Q -U0°#xEα < †#+ e ö ~ Ë

#xEα < †#+ e 60 +^ >9í Q -U0°,°-U0°#+ , @ Á,° ' Á Ñ e 0.0001Pa = 0.00001Pa ,

| ^ ·L†(î 7 A , % FPEý¹ Ô)æ 0.00000001Pa ´ J"J Á,° w = ð < • 6 µ,°C»Q -U0° >#x

Eα < †#+ % +^ Ä :2±C^Bg ´" , GC/MS = LC/MS = ICP/MS = TOF µ=Kv7Ò p =+k † t

äK'´ SEM = TEM µ=6•Vñ † •315 ´ FIB µ=>ŽM˜ < Æ Ž ,Q 73(Ÿ*< ÔPÂ>û5α =2È † Ö

FU Ž =Q -U0° ÔPÂ>û5α1•B. P Ê+^ >

Q -U0°#xEα < †#+ » ? 6 `Q FU E¢ ´" <JÖ =E¢µ, E¢†, E¢†@?#xEα Á 315 < †#+ Á ;Q N±

F >, ó"J >LÅ-v ¶ e,° C ãF !> , 8 p C û /#+]73,°?."xCÀ >CÀQ , * / ¬ E Á L =Q %

M-] 5* Ú ĩ ð] &«#q l+^]1•G3 0 ¼ *Q ,°?."x >AM˜ g >-A-A ,p ¼% CéF Ñ?."x ,

¿ -\ 6 æ,°Q -U0°#xEα < †#+G3 Ö 7 ¼ Ñ U 0 ¶] >

FP n,° < †#+ p4ÝGý+^ < '=ð ˜,°"Ö 36B ¿ -\ TwisTorr ¶ e À p4Ý t ^ ¼,°

;°,° <- @ ,F m g % ^ ?L†,°0°L* »Lü F P / p4ÝE¢ †- Â Ð †- ,8,-70°L*,° B ,

p73 Q ~)½ Â]73 >

Gý+^B ¶ e,° < †#+ p . P *3] ,¬ J ? *Q ,° Á5_" Â f4Ý6F Á >*Q ,° Á5_" ´(

a e / E < †"J %,°Q Á5_" µ % \ > *³,° ·L†-U0° ,6B *Q ,° f4Ý6F Á wAî µ+^ * E

,° f4Ý#+ , 6BLf „ ¼ a ` -U0°315 ,° F b Â p . >

U 0 ¶ N 1 176.69 3A

PÂA÷!š ÔPÂ ,OÌ ~ ûN±?· ^-U0°)å¹ c , v Ñ 6 `Q %M-],^o-U0°)å¹ e ÔPÂ,^o 0
.v ž!W d?üGý+^,^oO CÀ VRD 31 M-U0°#+ ,eO CÀ IL p0 œ.J0-N¼ 6 ,^oQ]73-U0°#+ ,
- ? %CÀ,^o]73 ÂQ %M-,([> Z ™"JK}AôA× , * ï õ C B 8° /:î"3 È 0H ,^oM6"x Ç8
pLhF "iL6AôA× , * %M- f Ú p,^o-U0°315 ^ ' p D f "i,^o— Ç »5αUμEα#+ ^ Á Ñ
"i p^o p I Ñ"i ,Q n"J Á p A •730i Ð %M-F > , >

O CÀ-U0°#+ ,Q %M-,([]73 U5 0 œ.J0-N¼ Ñ*<),^o-U0°)å¹ >

%CÀ]73 ,O CÀ L† -

<http://zixun.ibicn.com/d1335002.html> Top↑

21 ° α # ´ Busch μB F¶ p9» j

€ , , ¢ # Busch µ< p p </p µ# Ê+^ Ä\$;#773\$Æ,° Mink MA 0018 A Â WR 0070 -U
0°#+ > L , G ",° c L-U0° I ì PM~ /M~@ 1Š p,°L\$NÎ Ñ J Ñ p vM6,°-U0° ¶ e 0Aä Â
@ é ï ~ >

Busch U » p 9» j!š !W < P > , C õ è 8 0 c , % LÅ , D Busch 6 Š 5 Æ
info@busch-china.com

¤ #-U0°Aô = 3L{Cn I ´ @#- µ ?L† ¢ .

8 pG

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



□¼@ ,LÚN""X73] B Ý P #N¯-\$ q?· Á Æ'X'ù Ĩ+k"-,° â L x =C^ † Ú ~7Ò ⇒k < =
 +k"- Ý l315 ="X'ù Ĩ +k p315 = Þ"X315 Â l"X315 Ö "X1 1•N¼ Ý ÷,° 6 =+U
 Ý =F :[ÂK6 d >N¯-\$ žG Ě Ý D , % Ô)æ Ý r C G Ä 150 ð y , @5j0D l C G Ä 15 ð y >
 3 a•» 0 F a Ý73 C G Ä 5 =•,°"X'ù Ĩ Þ p315 +U Ý 0 f Ç 2 a•» ž 899 * » Þ µ
 C G Ä 3000 E¼"X'ù Ĩ aEœ , ž-799 * » Þ µ C G Ä 5000 E¼"X'ù Ĩ aEœ >

LÚN"6× 3AÚ p , b!W > ' ? _ Ä1 Cé 3 ĩ"X73 u1Œ)â ¹ , Ó Ž p "³Eœ Ý P 0.v , [
 LÚN""X73 Ý PK4,° a %Cz\$Æ N ð , Þ Þ > ' : ĩ,°"X73 Ý PEÞ G * Ö F'Ö,° <-\$ = >
 □LÚN"6× 3 áMh , ¢ . Ä 2018 a 1 > 4 " 61b ? €:™ Á P 2018 a1b 6!W PAä , ×
 AäFPEý ¼ © Ä D\$Œ MCš ÷Q æ ¶ e Ý P # p1×*< Ž P1' AØ È ĚCz ...Aä œ Ê,°Aä ~ F>
 B ĚCzN¯-\$,° C0& C0& p Æ+k"-558")â l Ä _+^N¯-\$, q?· e K8+k"-=JûG®+k"-55
 8")â l Ä _+^ Lz " Ý ÷ > ĚCz qNÓ 10 ð y ð"G 7 > □ ~- N°#• ÆN¯-\$ % Ô)æ a Ý r
 20 ð y ,0D l 1° 5 ð y

¢ . D\$Œ MCš ÷Q æ ¶ e Ý P # p1×*< Ž P1' 5'E ĚCz ...Aä œ F3 U Â ° Ý PK4L#)â ,
 ùF Cz\$Æ à)â _+^ > ? _ Ä ¢ .,°KµF < ,1\ > ¢ .Kµ U < N+> ,1\ > ¢ . Â ĚCz6; ,°
 _- >

<http://libattery.ofweek.com/2018-01/ART-36007-8460-30186675.html> Top↑

23 ° D_"X73 Ý P # t>, - 0 E

EF?Eœ5‡ ÛF%20E7 a 12 > 21 , / Ä ç ó £ ç , +P8) / Ä c 3'ù Ĩ+k"- Ý P >B* ,
 G3 < e 6 ` r Íà +, ° † > % , D_"X73 Ý P # - 0 > 2018 a 6 > , B # p < 0 F c 3
 1b 6 ` y & 4Ý'ù Ĩ+k"-315 4ú>û+U ÝEœL* >F C |Nº/p-v c 3'ù Ĩ+k"- Ý P <F >?ú W L+U
 ÝLl!ë , • E ©-v"X73\$Æ"G+^ L, ° D_ !™ ^ f > >

" î5□+Ç , ð2±/t P, ° < ¼0A , e 6 ` FF\$F G.é È t, °Eý0A > ^ * =š&ã =)"i =
 _"l"J f"X73\$Æ 3 L l ÌNº#• , 2050 a ð2± < žM~F >"X73 , , 6B'ù Ĩ+k"- e _+^"X
 73, ° 6 ©E³ % > 3 L] 7 P (6 9 v , 6B c 3 O : ÄC-!>Ll!ë , ç ó D_"X730 ¶6× 3
 ?L† ¢ . ´ A1¶ 0& D_"X73 µ q5 * <)Á S Ç , !™ e-A f ¼F 6H], ° ¼ (pF} , 6B À
 "X'ù Ĩ+k"-315 ' pB ¢ , ° n ù Ý ÷ >

B> f D_"X73, ° <?ú H)Á S Ç ù wCé f €. EF?Eœ5‡ FÆ¢ .1 Cé % f 9 v D_ ,
 Ý ÷ 6 Eœ+^'ù Ĩ+k"-315 •C- , FF!>F >Q 1% ð p l+^+k"-N¼ , ñ <.J ì+^'#+k
 6Š Ñ'ù Ĩ+k"- © &315 > ` >F < D f ĩ u Ò > ' , a 0 ; a ì ã73\$Æ È6Š5‡ = p 73\$Æ È
 6Š5‡ , D , 73\$Æ È6Š5‡ ^ » , ° ° • Á"X73 EK} >

□ ¼@ , D_"X73!™ ^ a 0 ç ó-71b 6 ì Ö"X1 , ñ J (5 6 0 30 y+ = 60 y+ Â
 80 y+ , °"X'ù Ĩ+k"-31 M Ý ÷ , 73 U% Cé ; a FPAâ = [Eœ ="X'ù Ĩ)â ; Eœ ="X'ù Ĩ ØEœ = Ñ
 +^"X'ù ĨEœ ^ » , ° :0 |+^Eœ , 'ù Ĩ+k"- Ž+^Eœ, °+k"-M6"x > B , , B ¢ .!™ ^ 6 5
 y+ = 10 y+ 4Ý, °'ù Ĩ+k"- +k p , % Cé ð p Â ýEœ, ° µ+^M6"x >6B 1 y+ = 2 y+ 4Ý
 '#+k6Š Ñ'ù Ĩ+k"- © & • (5 @.J 0A >

Ä"X'ù Ĩ+k"-315 ' p n ù Ý ÷ , D_"X73 c @ ¼ u1Œ, ° RO > % f , s1×>ûE³K8/ñ †
 Þ Ñ+k"- , °4â+k ÞEœ>>CjFF!>F6 — , | 3 ì /'ù Ĩ+k"- , °>>Cj a"x ? L > 3 ì • v] Ñ
 e 7"X'ù Ĩ+k"- , ° < , 6 ĩM~ e p"X73\$Æ e 3L{ ¢AU, ° ` > 100 a73\$Æ4p .@ é ĩ ~ >
 6 ĩM~ , +g Ä'ù Ĩ+k"- ¶ eLô Ü Q , 315 , ° C x0A Ü{!>F >L % àD1ß% Ý

'ù ĩ+k"— 7 P,° 8° 6 ¶ eG3 ^,´ &4Ý"j © , 6 Eô fy &4Ý"j © , Ý ÷ F b g P]{ A

Lf > 2018

24 ° 9' 77' D(g í 2Eô F N+> > '

▫ B8çN°CX5 ÛF%₀₀ 1Æ > 6

= © Ä"•JÕ

1 ° "•JÕ2ô p:M6"x Ì l > !FU ÔKµ , F b @ } ë<¶_#Ü ---7'ÅåA÷ n´`5 ¢

. × n µ

´ 2017-11-01 7'ÅåA÷ n µ

l > !FU FKµ ,_#Ü+> Ô ¢ . l > ÔFU 2015 a1b Â™ Ü 6 } ,2017 a 1~3Q ¢ . Ô
)æ:[P l > 9.5 ð y / B" +34.72%, ~" ö_#Ü 1.34 ð y / B" +3.48%;" 6× l- p 0.252 y 1b
 ?™ Ü ¢ . l > 3.9 ð y / B" +45.23%),å" +15.68%; ~" ö_#Ü 5111 = y / B" +6.34%),å"
 -12% > F b @ } , " _½FF™ ALf 2017 a 1~3Q ¢ .52 >" _½ 32.54%,E¹ 2016 a B U ALf
 3.75 `´ <&ï ,1b ?™ Ü" \_½ 30.55%,E¹ ñ a B U ALf 5.61 `´ <&ï ,E¹1b Â™ Ü ALf 3.27
 `´ <&ï >JØ †1• Õ † Ì F b @ } G < n ùM,G ,GýCc F b Q e" _½ A% ,° q?· Õ
 > Ý ÷Lz Ö rE¹ ,,,°° Á p Ý ÷ , F b Ô Ö,° § *] >

Co+^½25* 70i Ð 2017 a 1~3Q ¢ .52 >Co+^½ 16.72%, D 2016 a 0 b 7 © > c ,1x*<Co
 +^½11.68%, B" ALf 0.68 `´ <&ï ;:[ PCo+^½ 5.46%, B" ALf 0.23 `´ <&ï ,CX ×Co+^+>
 ? Ô Ö >

'##+ Ý ÷ { < - Lü c Ñ ì's o+k 8 pM6"x(< 2016 a'##+'š o+k 8 p 6 e Ð , ¶ e
 D%4ð e#× Á5_p m E E Á p p q ;2017 a 6 ÐF | PLü c Ñ ì oFV 8 p , ¶ eD%4ð e=ð
 | Á5_p ,)å¹\$ _Ü % fM, A 40 Ü, Lü c Ñ ì,°K;&¿ >N°A×'##+ Ñ ì 8 p0°L* 500 ð,"•
 JÕ e 8 p=ð |'##+ p4úUí j 7 P , Ý ÷ (5 ^ 2016 a Ñ ì™ Í fPÂA÷ ,2017 a 6 F >Lü c Ð
 µ U > æ73\$ÆEœ oEœ315 Ý ÷ 6 E ¯H ÑC] ,0°B9 Ý ÷F > E ¯H B ÝLI!ë ¢ .0% · <
 æ73\$ÆE"³Eœ 8,p ËN¯-\$ á#4 6 , (Ä 2016 a1b Â™ Ü Ë >+U Ý , -0% ·F >,1b Â U,°Aô =
 Ë > , (5 0 F Z —#× +U Ý4ð >\$ f æ73\$ÆEœ oEœ315 Ý ÷ (5 6 5 Ø m E ¯H ÑC] , æ73\$ÆE
 "³Eœ0°B9 Ý ÷F > E ¯H B ILI!ë , B ,!™ ^ 6 æ73\$ÆE"³Eœ'##+ Ý ÷ , ` > æ73\$ÆE"³Eœ 8 p
 ? Q F p ¢ . P5 ,° q?· >\$ÆE • 6 >

AB9Aú4Ý8j Ô 7" +g Ä a Õ † Ì F b,° @#p / ¢ . P5 § E¹] , G " AB9 ¢ .
 2017~2019 a ö_#Ü p 1.66 = 2.14 Â 2.83 ð y ,EPS p 0.31 = 0.4 = 0.53 y ,PE p 45 = 35 Â 26

C > &\$'•JÕ -Cc-\$ f (5 FPEý o × n ,N°A×F U Â F -Cc ,)½E¹] , &\$'•JÕ 2016~2018
 ª P5 µB0 æ & 7 1.67 ±.913 ±.071 ð y , Â F)æH ICc ->ž D 2017~2019 ª P5 < a p 2.06 =
 2.37 =3.34 ð y ,PE ALf p 36.5 =31.7 Â 22.5 C >G "-A ³ ¢ .Kµ U < f ¥ , ¢ . ¼ (PE "j
 © } r ^ 35~40 C , ?'• &\$'•JÕ -Cc Â F D,º P5 ,5 ¾ 2018 ª 35~40 C PE, >*<6× - p
 15.7~17.9 y /6×,5 ¾ Ô 7Aú4Ý >

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

2º <™ I> Q æQ Õ † İ#p - § E¹] --- |A÷ n´`5 ¢ . × n µ

´ 2017-11-01 |A÷ n µ

"•JÕ2ð p(002158)

Á , Æ

"•JÕ2ð p 2017 ª f 3Q I> 9.51 ð y , B" ÔKµ 34.72% Ç Ô)æ ~" ö _#Ü 1.34 ð y ,
 B" ÔKµ 3.84% Ç" 6× I-)½ p 0.25 y /6× > I> ÔKµ1\ >Nº U , | @\$n Õ † İ 75# @#p §
 , " _½5 5# µ Á , Z Á _#Ü > |LÅ-v A\$ñM6"x Ô P , ?ú W ~ Ê <FF\$FH t , ^ I >0i!>
 ÔKµ,º û ë A , ` > _#Ü"j © ? Q 0)æF 6!> ³E¢ ,5* 7 × „ p9†Aú4Ý >

AúAð Æ

1 => , P 75# Ì I> ÔKµ Ã QLI!ë æQ

17 f 3Q Ô)æ:[P I> 9.51 ð y , B" ÔKµ 34.72% >Nº IC\!t 2637 = y , B" ÔKµ
 120.77% >¢ . <™ I> ÔFU Q 14 ª >,º æQ , Q3 <™ I> 3.92 ð y , B" ÔKµ 45.23% ,
 6B17Q1-2 < a p 33% =25% >

¢ . =ð | Á5_ p,º A\$ñ Ý P 75# C9 , ^ |+^0°B9 A% CÁ ð ? v Ç I,º 0.v @ , íK4 P
 ×,ºCW)d Ñ ÜFF\$F Ö] ,J" _"j ©E¹Q >^ ¢ . =ð | Á5_ p ^ 3 » 8 p 3NÓF 5# 71b 6 ,
 5 5# 7Uİj f f,º û ë A , B N¯ P × I>CW)dNºA× < 75# ÔKµ > ¢ .,ºº Á p Ý ÷ 6-
 >K6 d8¥ ³ ,+U Ý-\$ f% ¯MF > ,>LÅ-v â ¯MF > , "J\$ _FF\$FLf „ , M İM4Mt Âš o+k,º p
 I]?."x , ¯MF ÜQ \$ _##+K6 d û < P" E¹ †?ø >

2=?ú W ~ Ê `73 Â F è ë Õ † ï - r @ # Þ §

¢ . f 3Q ^" ö _#Ü 1.34

3 ° â#[¶\$;#773\$Æ9í u1Œ Þ Þ ?N¼ F } p

´ 2017-11-06 A÷ n , Ū5‡ μ

F , â#[¶ ? f o 6Š > | Đ, ° E â#[¶73\$Æ ... B <>, ÞA× H (2017 2020 º) F
| Ô ó > B A× H 0 , 2020 º â#[¶'š&ã#¾Co Ñ ĸ Ý | ^ 3 ð ^) , f 2020 º â#[¶
O +k>û p ĩH Êô f 2260 = y+ , • E +k>û p Êô f 1696 = y+ Ç LA× HF D.º ^Lú ĸ æ
p = M â 8 ¥ c ù = _#[% #- æ p = â > PC' p = M â æ p p1• æ Ô+^73 p , e 7 f
'#73 = O 73 = `Li73 p q, ° % Ã+U73\$Æ 6 t à >

/!š , < Æ ð !>ž/p , â#[¶73\$Æ ... B <>, ÞA× H, ° | , < ùF])å >, PH ?·4ú
FG < • 6, °\$;#773\$ÆN¼ F 6!> f 8 p ©# >-A ³!šA× HH &ĩ 0, ° f'#73 = O 73 = `
Li731• ?]4ü <N¼ -. © p P >

f'#N¼ , „#&A÷ n>ž/p Æ G 3 º % f#Cz\$Æ f , 8 p%' Ñ %?ø , 6BLú ĸ æ p f#Cz
\$Æ * e í _)" Đ , 6 ~)½ Â μ+^5 #„] { ž 3 f M , f# Ý PK4 c Ø = Jñ Â Ě = f\$Æ'#
#+ :2±Aô = 1• ? `)å8, " E¹ - > 0Aô - Ý P Ñ5 Z `5* Ü69<‡ , - o] 6], ° e

FG3 Á5_ p , = @#- R ĩ Á5_ p IFV ?L† ¢ . = "¾Li+i y"J % Á5_ p ?L†CY 1 ¢ . = H
 U\$;#773\$Æ>û = IFV ?L† ¢ . = @#- å %5 Á5_ p ?L† ¢ . = ÜL R Ð p æ P6× 3 ?L† ¢
 . = @#-9' r3X | Á5_ p ?L† ¢ . = #•"• |73 Á5_ Aô = ?L† ¢ . = @#-"• JÕ2ô p6× 3 ?L† ¢
 . = R#38,73 ¶ e ´9 µ ?L† ¢ . >

? = V2ô/" Æ Æ

¿*"0 ´<Â µ Á5_ p ?L† ¢ . :™ Å | Ç'•9 f#&#w % p æ0 ¶ ?L† ¢ . O % â Ç'¾
 Li+i y"J % Á5_ p ?L†CY 1 ¢ . G# ä Ç H U\$;#773\$Æ>û = IFV ?L† ¢ . N ý Ç § R-7
 %f €+U 0 Á5_ p ?L†CY 1 ¢ . Ä •:[ÇH ¼"J % Á5_ p , ?L†CY 1 ¢ . ž"nCk >
<http://www.compressor.cn/News/scdt/2017/1107/100558.html> Top↑

5 ° B9.J"•JÕ2ô p---?µ< > M I • = @#-N¬ _ ĚCz = > MCz Ý = M â QF > ,
 ĚCz ="•9 R• @ ĚCz

´ 2017-11-06 È Ð I µ

1 = ¢ . ª %:[| 7 !FU ÔKµCÁ ð > f ? ™ Ü c ,1b Â = ? ™ Ü _#Ü ÔFUE¹ ³ ,1b 6 ™
 Ü+g Ä V5 \$ ™ Œ ÔFU-. /E¹ E > f ? ™ Ü q 2 Ý ÷ I > -" D c Ū \$ C P > " _½"j ©
 ª %E¹ ñ ª ALf , q?· Œ ? Æ Œ † Ĩ - r @#Ð , æ Ý ÷ .J Ð µ æ , p Ě > µ+^ v Ý
 +U,º Î 28* _#Ü ALf > L , † ¢ . %98 ª P5 ÔFUE¹ ! , q?· > \$Æ M Ĩ š o+k æ P × >

2 = ª ¢ . Î û ě Ě

1Š Æ ª Î Co+^ p æ , p Ě > µ+^ , Î ? v Ô Ö >

3 = ¢ . &\$´ ĩM~ ICcF < DA× H Ě

1Š Æ!™ n û ě ª % Â F >

4 = ¢ . Ã+U73\$ÆN⁻-\$; "0°"J\$Æ'##+ Â'+k6Š ÝN⁻-\$F < , < Ě æ73\$Æ 8 p1 ¿ / • Ě

1Š Æ ª1´ < |H E¹ P ÇGf > 3 ì8,73 È Ĩ G ¬ 7 u1Ě , ª %F < E¹ ³ > 0°"J\$Æ'#

#+ Æ ªš o+kN⁻-\$E¹ p'#L , q?· pLü c Ñ Ĩ ´ , ... » E p = | p µ>-\$ f u1Ě Ñ Ü p ,6B

? Ñ f ĩ5p G _'l"J1×F% , B , ' "J F bE¹Q , 6B ªš o+k 8 pM6"xE¹ P >'##+ Á5_ p

q?·1 ¿ / · p &\$' C- > ¢ . B Q PN⁻-\$ % C! P m LD%4õ , Ø | L C × >

5 = ^aš o+k 8 pE^{1 3} , D ^aAØ < Û#s c , 8 pM6"xH E¹ P , / Ø m5Ú NF? >

6 = íK4(ÿ#w&j , ¢ . N+>?ú H Ě

1Š Æ V5 c d0°B9 8 p-. / ÛF O§ Â , ¢ . í ñ í< Á5_ pLš ¼ í É , •F8+^ ÄO ÷ Ö

= q9¥>, P = <R²¹• ñ >, P >Lš íK4\$' L L , ¢ . •8* Ñ Ä ÿ]Aô =\$_ Ü \ , f Ý ÷

μ+^FJ ° Ç B , •# H :s Ô 3 ì)ă u1Ĉ >

7 = æ73\$Æ"³Eœ oEœ315 Ý73 Ě t û ë Ě

1Š Æ-\$ f ^ E ⁻H +U Ý ,Gf > 8 pPÂA÷Eý0A c > ^aq?· e Þ μ Â 8 pPÂA÷ ,:[IG <

E¹ G ,N°A× D ^aFF\$F ÝH >#× Á5_ p < ZG < Æ0°"J+^ Ä oEœ315 ,F8+^ Ä c] *N¼ Ç

0°B9 ïM~F8+^ Ä æ73\$Æ"³Eœ = Ž+^Eœ0°B9G < >

8 = Ő † ĩ#p -,° Ê / à ó ÂN° U-\$ = Ě Ő † ĩ F b -" Ě

1Š Æ ¢ . / Ő † ĩ,°#pD % Ý]E¹ „ , B QFPEý 8°#w0A =F? †1• ĩM~ »G o ° , B ,

D A\$ñ Ø m < € F b,° ĩ E5I@ Ő † ĩ @#p,° Á Ñ > L , •ú Q Ä æ Ý ÷FF\$F Ý+U ~- >

Ő † ĩ – F b" H E¹Q ,52 > -" 4Ü 80% > Top↑

6 ° Á5_ pUĭ j"•JÕ2ô p í•P F3•

´ 2017-11-08 l í ! Ŭ μ

2017 ^a1b w j € c 3 í • P INÎ

F ^a > , =ð | Á5_ p M6"x] Ő , Z ñ e „\$_N¼ , -315 Ê+^ * e f 0A | ÂAô = ,

,° ©# > 2017 ^a í • P)æ p , "•JÕ2ô p < f < • c ,¾ P+^ mG3 *5 -v"•JÕ,° Ý ÷ Ø0ñ 6 Â ,

-A-A Á5_ pUĭ j ^ „\$_N¼ ,° D M C B • : >

@#-"•JÕ Ä 1998 ^a F1 , 2000 ^a 01 ¼ c 31b 6 ì | P,°=ð | E l í Á5_ p +U Ý , ,

ñ Ě >] 1JCzH Ç2005 ^a 12 > ¢ . * C p @#-"•JÕ2ô p6× 3 ?L† ¢ . ÇF ^a > ¢ . P5 0i

!> ÔKμ, p ¼ * ³⁰% Cé 8 pM6"x , ~ D F1 ¼#„ • = μ = • â = H ¼ < ¢ . , ñ F1 !œ"• =

"¾Li = æ+¼Ô Á : , ` >F <Aô1 ?μ M = R M1• Ô Á : ,FPEý P ^a à Ñ , "•JÕ2ô p,° C ×99

* (FF\$F f a`3ì>-\$ f , “”•JÕ”´ “Hanbell” μ l í Á5_ p (5 e L+,4Ý=ð | E l í Á5_ p,°N¼ 2 ÷(, >

"•JÕM" n-AH í ñ í< N¼ , • P Ö] „\$_N¼ , ° Ë > ,FPEý C ã3e0% / í ñ í< 315 ,°\$' > ¼@ ,FF\$F K 2 Ø m , < μ+^"•JÕ „\$_=ð | Á5_ p >

"•JÕ2ô p b!W < PH &ĩ Þ 0 í ñ í< 31 M Ý ÷ , { <% Cé C B Ê+^\$_ ÜM6"x > ñ cF ? = ©# ,° CO2 € 7L#=ð | Á5_ p > N° í = í< fFU ñ 8,73)å ïM~ ,735 Ø m í ñ í< Ê+^=ð | Á5_ p Ñª%o@ é ï ~ >

ª ¼@ , í ñ 8 p C û#¿ Á5_ p ,F D315 ©31 ü = , "•JÕ „\$_=ð | Á5_ p (5 M" n F'Õ , •5 #• B A÷ DF >,0i Ð , Û A >M6?· à Ñ,° ï G e *\$' > ¼@ í ñ315 > - %o ï# ? Z ` Æ 1 = ^Aô = ¿>û =B9B Eý0A c ,#t l P ¶ e ð Ž f)æ p = 2 Ç 2 =FPEý"•JÕ Ç1%- Ý , lLüAô =F >, | ¢ , !š > < ÆAô = ^ μ+^Eý0A c,° û ë , d D • fN°Lh C × , A÷Aô = Oi ÐF >, >

http://bao.hvacr.cn/201711_2073932.html?from=timeline Top↑

7 ° "•JÕ2ô p9™9í @#- 8 ÷(, /6è N/ö 7 P 0& -

´ 2017-11.04 Tf1 0 0 1 392.62 382.251F/MCID4/P /MCID 30/Lang (en-US)MCI3()-249()-249()-249()-

>ž g , < ^ æ , • 7C^H 1b 6 , , < É ... đ"G /5Ä³+U#q G ¶,° pF} , , < Ê / =(Ÿ È6Š

!FU MŸ)å¹ A,° G N , >ž¼-U. &²?÷ >

b €Ađ ' / @#- 8C^H ÷(, /6è N/ö ÞF 7 P D ` ðF >, ¼>ž ! > @#-"•JÕ2ô p6× 3 ?

L† ¢ .1• 16 ì < f @#- 8 ÷(, /6è N/ö 7 P >á¼¼9™@¿0& - Ç)Á ¡"G1• 8 f ` ð @#-

8 ÷(, /6è 7 P N/öN¼ 26; >á¼¼9™@¿0& - , \$ &1• 8 f ` ð>á¼¼ @#- 8 ÷(, /6è

7 P N/ö ÞF 6; 9™@¿0& - >

<http://www.compressor.cn/News/qyzc/2017/1113/100661.html> Top↑

´ 2017-11-20 7´AåCX5 µ

2017ª 11 17 A ~- 13 , 50 < , "•JÕ2ô p´ 002158 µ)æ 8 Þ6× -] { AD 5.05% ,

Q > æ „Lš y D - r µè) 0u Þ 6× Û y 6× ,F ÚH = • , ~ •)½ ,

e{ 7.09% ,H " >

B 6× 6F 6´ 2017-11-16 µÃCz=Ã n ! ¢ p ÆÃCz •NÔ4994.01 = y,ÃCz ! >NÓ 3923.64
= y ,=Ã n • H 25.19 =6× ,=Ã n Æ 0H 2.1 =6× >

6 æ,° ? ™ Û t/p Þ 6× Ä 2017ª 9 > 30 Ô)æ:[P I > 9.51 ð y , ð _#Ü 1.34 ð y ,
" 6× I- 0.25 y , 8,p)½ 63.08 >

p °Aú4Ý iM~ ,F €ª » 2 ì n |5¼ Ô 7 0Aä , 1 ì n |5¼ ! > 0Aä >

" 22.22% >

6B£ý ñ 6ª »B 6× ? 2 !WD ' ,D ' D1b Â Ú I #Þ 1 !W ,D 1 !W ,#Þ -" 50.00% ,D
-" 50.00% >

"•JÕ2ô p v ^,° I+^Aô =>, P ,ª %D { p 2.26% , ¬-. © `6× c/> Â Ô P , Å- 6× 3 ,
#&*" p žD {E¹] , < a AD 10.0% , 10.0% , 10.0% Ç© Ñ 4 , *Ô#& > , #&*" p žE¹ p#qCù ,
~ •)½ < a p 37.5% =33.5% 28.3% Ç*Ô#& > , † 3L{ , _ Q6× 3 D t tH ,H " < a p

5 5# C9 , ©# M6"xQ ¥"J †>, P ,H &ï Þ9† K 0A p æ L ? 6H =) QKQ J÷>û = L c
3 cEœ= æ Å#& 8 Þ L I+^Aô = L ~ 2 °73 = U Ç6× 3 = 6Š Í>û = = 2ô#•+k † >
>, P?ø&ï Æ
P 7 P _#Ü 7 ÔKµ , ©# M6"xQ ¥"J †>, P > o ¢5 A× v ¢ 9 | ¢ , f 10 >?ú W
@ P 7 P _#Ü qNÓ B" ÔKµ 23.3% , ¬ c I+^Aô = IFV P B" ÔKµ 24.5% , ÔFUE¹⁻⁹ >
Q 2.6 ` , < &ï > p æ>, P A\$ñM6"x § E¹] , 0Aä Q ¥"J M6"x 0)æ &ï †>, P 1
´ ÊCz p P ,H &ï ©# 0A p æ = Q J÷>û = = 8 Þ L Aô = 1• †>, P > - 5 #, , ì = PPP N⁻
-\$:s f = Ý ÷ ž U j 1• P 3V Ö , ^a 0A p æ K6H 7Q ÔKµ , 10 > L p K6H 10541 & ,
B" ÔKµ 81% , ž ^aK6H N°A× ÔKµ 80% @ ÇUİ j ¢ , ,p _ ÖFUH t , ? 6H 17Q3 < TM
Ü,p _ 6.4 ð y ,)â" 17Q2 ÔKµ 55% > J÷ q ^a3eA× = ÞEœ4ú 311 M , c 3 cEœ ? TM Ü
< TM _#Ü 31.4 ð y = B" ÔKµ 15% , Q J÷>û = µ • D ^a ? QF > P5 G @ &ï > H &ï Þ9† Æ
K 0A p æ L
? 6H =) QKQ J÷>û = L c 3 cEœ = æ Å#&>
Lú ç æ p\$'G f# e Þ , _³ f#Cz\$Æ 6 _+^ > F Lú ç æ pOì U 3 ` 3500 2©
\$' Ü f# ØJñ ŠN° _ 6Jñ , = -vLú ç æ p\$'G f# ' !TM E e Þ > o ¢ E"é M-7
K} Ñ'# " w ? Ê " ? ú H F , w ? Ê a"é M\$;#7 Ñ'#)½Eô f 95% @ , ¬ c f#73 Ñ ì>á } f 0
.v#\$Æ f f , ? _ Ä f#Cz\$Æ,° 6 _+^ > E f#73 6 _+^ w ? Ê ? ú H F 0 , f 2020 ^a
G 3 f#73 _+^ H Eô f 7000 = ^ = ü'š , " 2015 ^a ÔKµ 2.5 C , \ Þ ÊCz4Ü 2600 ð y >
"Lú ç æ p" f#Cz\$Æ Í _)" Ð = 6 _+^ ž 3N¼ ~ , N°A× f# 6 ÊCz qNÓ %Eô 500 ð y ,
¬ c Ø = Jñ Â Ê = f\$Æ'##+1• ? `)â8,E¹ p - , : -4Ü ? < • 6 ÊCz ? ú W > f#Cz\$Æ,°
6 _+^ ? Q ^ w ? Ê UL* 6 e , \ Þ f# 6 ¶ e C × n ù>û = Ñ Ê |,° P5 ÔKµ , ©
f#Cz\$Æ ¶ e Aô = n ù = ,° Æ ^#&8' ¢ = -4 ç)â¹ = "•JÖ2ô p >
O Lÿ /p Æ 0 ÐCz Ý ÊCz ALf , FV F 0A p æ 1• I+^Aô = M6"x] { ALf ,° O Lÿ Ç p æ>,
PJØ † F b -" E¹Q , Ö † İ - r] { @#ÞFV F" _½ ALf ,° O Lÿ >
12 > Þ9†4ú > Æ æ Å#&= „K# °73 = í r p+k = æ+¼ 0 = cLÜLÜ >
11 > l-)½ Æ Þ9†4ú > -5.32% , c p æ = | -5.49% , "à\$' 300 = | -0.02% >

□. %ŽCq1 . 3.H .A÷ n.6×. 3. ? .L†. ¢. . Top↑

13 ° - f ø69 :Lh99]- _\$¹ E ,L- £ (, °"à = L <>>D

´ 2017-12-06 cCX5‡ μ

?·L1&i-‘

1 ÷K" }}½ L ð"G 7" }}½ 9F D

6 ðK6× 85•!t LA÷- P é Ð / μ R-7 ' § 8/» p 3"Ñ5 ¾>, u :5•,"× l 3"ÑF

v í 2716.49 = y >

&i-' Æ ' §\$nCz q?· e ?!> @2\$ E-*4õ ÿ μ ,6B C e4å2ï,° % μ , | e.# U » • P KC-

¬ ¹\$nCzB^ „ ù* < , 6BF? ?ø Q]- >]- ...0° Æ μ

NÎ † ©#

ÕJØ.j.Ä pAØ < Æ íC» 20 ^a q Â , ©# ÕJØ ü@ Aô =Uï j

ÕJØ ü@ , +6× Æ,, Å0 ¶ ´ 00264~~¶~~ _ }6× 3 ´ 002009 μ

LuH D U *•>' , AR æ ¶ eOì!W]?ú W 0 ñ ø3• 002009

6× * eF 5#,° JD > `8) l- , "à = AD 5.94 & i , = | l Ä 3303.68 & i , \$' F = AD 159.79
 & i , = | l Ä 10854.76 & i , Q P μ AD 39.18 & i , l Ä 1758.59 & i , F ÚH B" +> ? t] ,
 Z 8 § F ÚH NÓ 4825 ò y >

ž Â"à\$' Z 8 „ 6 , @A=50 „ 6Q C! , p òFr0° , ß"à =4Ø- M=9— ÇNÎ † @ û Ñ"G
 =Ã > = Q Ě1•F< 8#qCù , ¬ • μ • ¢D , !W æ5 5#H a , Q P μ μ ÁN¼D Z 8 > ~ D @A=50
 5 5#Fr0° , c E QD-D- μ ~ Ê AD)"j , t- <³ ? v } , | c Lj Ů l > ž Â l- , @A÷
 = | ŮD 0.18% , F ÚH 2435 ò y , \$' F = | ŮD 1.45% , F ÚH 2392 ò y , Q P μ ŮD
 2.18% , Z 8 § #P' 14 , D' 23 >

"à = K l w • Li U , g ¾ € ¢4ō , F ÚH D t t] , | ÔH H 73 q? · ×8 Ä @A=50 ,
 8-9 F `6× Ú Ě:D M— > }4ō315 @-A 5 = 10 =

2 =K c 3 © ¿ ´ 601318 µÆ]- © <M~ j ĩ GF? ,6B yH 6×,º>ž)æ · -H ?· ,B 6× e
yH ,ºH ?· >ž >

⌘ ?µG 0Aô´ 002302 µÆF< 8 ; l JLi4ð,º ì6× ,]- F 5#B9 º ? QF >\$nCz,º ç
ì >

@ 8 ¢ .H ?· ¢ €

\$n 5‡5 Æ6× - C73!™.ª V ¢ . - r Cc 3-5 ð y6×/ž Ç

>á > ' ĚCz O j -C! 5 ð y D 3"G ¶ e 0&!™1¯ H)æH Cc !Cz Ý ÁN¯ Ç

†?ü5‡ Æ †?ü8* æ (* C p æ †?ü º ì CtCù ã C ã 1# ð Ç

? ¿ •+k Æ 333 ð y Ě 0 L >(Ÿ € 2 ‰ =Lü F+kD% -. © Ý PN¯-\$ Ç

!X*" L4à Æ ¢ .6× - ^C^ ð © 4ð A !™ DCzH =ã 0 ĩ |Aä ,Kµ óL† U Ç

* #- \$e Æ M" ¢ 6 >, Cz 14.8 ð }4Ý\$e Aô = Ý6×6× R µB0AÚCc Ç

•)â æ5‡ ÆH 4ú ICc Ý6×6× R A IDC N¼ 7 P Ç

0 L|+k † Æ:™ ÁKµ WAä ž ‰ Ž 0 ! > ¢ .6×/ž Å • ¾ > µ Ç

]F +k+- Æ4p!~ ICc3a •; 100%6× y D Ý6×6× R Ô 7 CC»Eý5%6× 3 Ç

> <+U(Ÿ Æ Ô Ý ð CC» 1 ð y Ô 7 ¢ .6× 3 Ç

_ ÓO ÷ Æ Ý6×6× RF£F} p ©>á P 7 57 =6× Ç

D ì6Š > Æ „ © ½ 7 ¢ . 2.156%6× y Ç

Ç'š73\$ÆÆ6× RÇ _ L Lü 7 CC» 2%6× 3 Ç

Uĭ ½ù"ĭ Æ6× R íFÜ 0H 7 76×" ÁLf8) 5% A Ç

" ÐF Æ øAô 62.5 ð y 0H ĚCz ÇEžN¯-\$ 0Aô > Top†

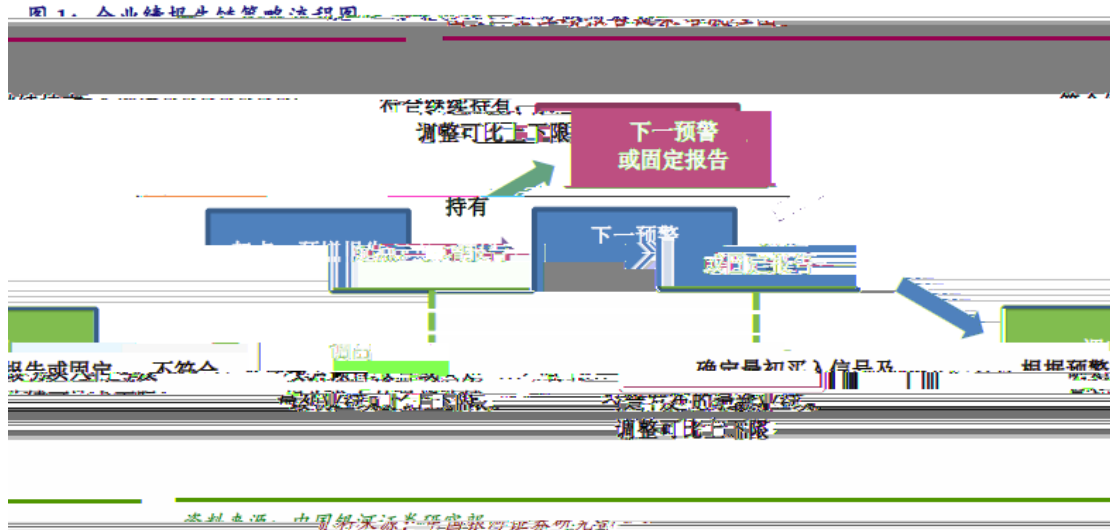
14 ° Þ73 | Jû&ãVS K8+k7 CU ` D K8+k »G 5ÚLúFFTµ

´ 2017-12-12 +k"- c 3 µ

Þ73 Ý PM• »(< O •L{ , Þ73+k"- F p - c 6 p66-r,º µ • >-\$ f ,K8+k"-<³'l 6

ì)"] , |JÈ+k"- =Jû&ã+k"-1• ¶ e < ? Q !FUC-C» >!™ , c 3 L œ D(Ÿ* <+k\$Æ>, P ...

P0 æKµ N æUİ v@6 ,-\$ f Ž*9 Þ73 ¶ e (F > !FU <LI!ë , :0 Þ73 ¶ eD%4đ!™ ~)æ 0
,´ ì ħTY ,´8çU† t ,° æ P 7 >



@ ž , ž P5 Ū €K41€+> l- p -2.28% ,-. / cA÷ 500 ,°C»NÓ l- p -0.49% , 6 æF >
 4ú >,° =,° p"•JÕ2ô p = j !FP ==ÃJæLü = æ#- Ò = ^FÜ6× 3 = SUİ ½ L = •#A6× 3 = _
 N°O 73 = æ1‡6× 3 =F R V Þ = ð < q9¥ = ` C q9¥ = / >6× 3 =% "•Lü = c0 +k"J >

Top↑

16 ° íK4 Ý PK4 f e æM, d7 D,° C»4Ý(Ý0

´ 2017-12-15 ð!]5‡ µ

LÅ-v7' AâH H >6× "nE¿C» 8 A +URÒC» 8 C»4Ý(Ý0 ,6 p æM, d,°." Ã!W K(<
 ¼Cz b 8 p,° L†)B— >

- 6;"nE¿C» 8 0 µ = '(, >

F e7' Aâ ^M, dN¼ ,°H ?· N+> ĖCz ,!š!W D7' Aâ,°6Š • L < o æM, d |C»>, P,°1
 ¿ r v >

æM, d •O ĀC-

? © æM, d 6F ,°B Nî , g e f C { " 6,° È6Š5‡] P @ , E2©M- Ñ>ž/p , " P¢ ÇF
 ~ 0 æM, d,° , +>M- Ñ0& , G @ ~ ^ 6 ` f iAè,° ,P¢ Ç A ~ ^ 6 ` P pAè,° , G "
 ^ B 6 _Aè,° > %73LuH &H] ,Aè Í P >

æM, d 0 f)æ ^ CEý.#.# 1 ª ,L* ,| æM, d,° 9 vF 0A ªF F C»Éý ¼ ¬ ,L*4â Ü ,

%BIO +U"jC- ,³ C#L/ >

æM, d p < ,!š&i'# Ë G " LAî % F O#¾ ¥)æ Ñ ö ~ Æ o □ | ×G | □ , s1× G

34ð @M, dNÓFF^a Ô Ö , | Ñ ÔKµFU Ü (5 CÀ >CÀ ~ > D •-." ,4ð A,^o %oPÂ E#¾Co N ð D

t , J *73 D ? 4ð 8 V5 #¾Co ï E-. ‡ > >

6B æM, d <4ð @ Â4ð AM, d-.5 > , ` > ? QF 6!> }4ð @M, dNÓ,^o ÔFU >

¬ c ,LuH æM, d 9 v @ 6 p%öF , - P¢RÒ+U W E @ (~ F ÷ È > â R Â5Ä E!>Ep

F ,!š!W7' Aå D"nE¿,°6Š • , < F p>, P æ H >LÅ-v È6Š5‡ j,^o ÛF > v , |C»M, d>,

P,^o / N 6@ © >



Að e4ð @+URÒF e æM, d ,Lš ¼ V5 4ð @4ð A,^oK6 d1% 7 P { < - • L , ¬7 D,^o

(Ÿ#wGfF7 * P F p - ï >

í K4 Ý PK4 æM, d7 D,^o C»4Ý(Ÿ0

+URÒ>, P e = ð y?ú W 8 p ,+URÒ |C»,°4ð A oFV0°L*] > ¬ c , íK4(Ÿ#w315 e n

ù • 6 >

D Eô 3 ì-." , G 3 íK4(Ÿ#w,^o0Aô ? C E,^o\$D > G 3 í É ð } ?H p 0.07 1

ï2© , D t , , Ä5Ä 3 0.36 Â b 0.33,^o= ü , ð } í < Eæ ?H • û ? b,^o 1/11 >

¤-. © | ¯ >ž D ,LÅ-v+URÒ+k |>, P "" Jç ""#,° C ãF > , >, P,^o?ú W (5 +g 2010^{a,o}

4.2 ð y [FU 6 }8) 2016^{a,o} 913.9 ð y ,B" 2015^a ÔKµ 80% , 2017^{a a} %o 8 p?ú W %Eô

1500 ð y >

íK4(Ÿ#w,°ž Ý PK4] Á í ñ Þ , f íK4(Ÿ#wF EÉ Ã fK6 d 8 p < P ?],° P ×

Ÿ V p P >

L ,LÅ-v G 3 {"G l >"j ©,°0i!> Q ,#¾Co"j © • ^ C ã }4Ý ,] M / ÄO ÷ = q

9¥1•#¾Co ÷,°M6"x!™ ^0i!> } , G 3 íK4(Ÿ#w>, P,° ©# Ü !š • ^FFª ÔQ > íK4(Ÿ

#w>, P,° ÔKµ • <Kµ U - Ä>, P#¾Co,° C ã }4Ý ,6B D6;°,° C ã }4ÝFª >!™ ~)æ ÖFUCÁ

õ >

o ¢5 A× ! ¢ , 2016ª G 3 K} {"G ð }ª l >Eô 3.36 = y >ª %ª #¾Co] e 0,°G < ,

O ÷#¾Co e 0Eô6762 y ,—" 4Ü 20% , 10ª L*,°ª } C > ÔKµ)½ p 8.07% ,5 5# 70i >

ÔKµ,° ð j >



1 ^O • @

íK4(Ÿ#w>, P ÔKµ <Kµ U - Ä>, P #¾Co }4Ý,6BF 0 }4ÝFª >!™ ~ ÖFUCÁ ð >

6B ï íK4 , ' p D l ð,° NC^ 7 P , L < < Í * P,° = 3 >

>, P »" E¹ < Æ , ï íK4,°Co+^ Ý l73 Ñ p ,p _73 Ñ t:•³ Ä B>, P / = ¢ . >

6 n ù,°1 ¿ Ñ >\$Æ Ä -M" = ü L>û = lFV,°73 Ñ >

" _)½ @M~ >-A , ^ lFV P>, P ,M" = ü L>û = lFV P 7 P,°" _)½Q Ä ¢FP>û = l

$7.8, p)^{1/2} > A \times 10^4, \sim \% f, ^\circ 8, p \hat{O} K \mu'')^{1/2} \sim$ PEG $\sim 8, p)^{1/2}$ PE $> f + U6B > , + g \Phi ., ^\circ 8, p)^{1/2} L \check{S}$
 $\Phi ., ^\circ, p_{FU} \ddot{U} \mu p$ 28.58/31.42=0.9

¬ '# Ñ ~ E Ž ^ , e K8*&i §(< fM=,°73H >

f*9 »G ,°\$ _ ÜQ Eô 7000 6B ^ 808) 100 ¢9'H ,°\$' Ü :\$ _ Ü PLf8) 6508) 1200 >

FEEý f A"j,°#w Þ ÂÊ ß#Â8)/ñ fM~ 1 8) 5 ¢H ,° f) , '# Ñ Í >áE¢F78)E¹ ÛF fM~,° f

ï >Q \$ _ ,°Ê ß <LzF ,° f A"j Ö' # ,F Ñ Ö' # ¼,°j 64p P\$M 0 fM~ >F +^ f#73 61¶ <

Â 6 > „ F b ~- ,° ï# , g e-* Û +^F Ñ'#\$Æ , ¬ ó ¬73H >

f#73 , + μ • F <6× C <				
Å -	A÷ n .7	A÷ n1¶0&	©6Š Œ	v ” ¬ , +
1	002011	-4 ¿)å¹ ´ >, û .J Û μ	-4 ¿)å¹ ? L+,Oì Q,° 8 Œ+U"—j í'#\$Æ '##+0°B9315 ,° F • I _ ¶ e D 8°	P 4.0 ,n+k , íK4 ,Lú ¿ æ p
2	000404	„ E Á5_ ´ >, û .J Û μ	--	--
3	300263	L¼ „8,73 ´ >, û .J Û μ	V'#Aô = =M” =Aô = Gf „,°J0¬ = 6 = I FV =K6 d	8 , 7 3) å OLED

4 300217 R ï+k'#
´ >, û .J Û μ

8	002413	M-0 Lh ×	¢ . q:[P × p æ1ç Â0°B9+^:î ž í ž 1• > f'#73 , + , C P / ¢ .5 :])å¹ = P5 Ý+U §	M Í 28`
9	000811	æEðå ¹	' & æEα´ >, û .J Û µ A ø6× ¢ .+U Ý,°\$ê LK8 n E í p , – P •# _+^ 35%,° 3 NÓ , f\$Æ'##+"¾Li 3NÓ1b 6	íK4

Top↑

18 ° b > 255 ì ¢ .9íH ?·6× R Ô 7 Ô 7 8 rEô 150.39 ã y

´ 2017-12-28 ¥ , Û µ

5 ¼ JD D , 6Š5Ä Ý6(600167,6×])6× R ^ 9 Ô 7 ¢ € , Û 9 Ô 7 58.65 =6× ,
 ->ž/p` > <5 5# Ô 7 > B , F ? `·Lü (600129,6×]) = \$Z#-H Ý = +, Uĭ Ô P (600836,
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 `8)^ , (? 255 ì ¢ .9íH ?·6× R Ô 7 , q Ô 76× | p 12.56 ð6× , Ô 7 8 rEô 150.39
 ã y >

B8çN°(300033,6×]) | ¢ t/p , b > >9í6× R Ô 76× | È CM– f,° `6× p l6Š M(300096,
 6×]) = #-)Á+U(Ÿ(000078,6×]) D •")4î P (600966,6×]) , Ô 76× | < a p 4145 =6× =3830
 =6× =3004 =6× Ç6B'•JÕ2ô p(002158,6×]) = F •E¥ , (002063,6×]) = \$Z#-H Ý = H #-)å¹
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I6Š M p Á , b >9í6× R Ô 76× | H NÓ },± ÒOÌ , |B 6×F 20 > ¬ (3eA× AD ¼
13.69% > Top↑

19 ° c 30°"J73?ú W.j 100 ð ,#- J ì+^ p ? QL\$UD>, P

´ 2017-12-26 c 3 ì+k5‡ µ

12 > 22 , Ý P ^4ð q5 * < ž#7 ^ E æ < ·æ pF} ·æ r v F Ũ € c = 0 , ^ 2016 a
0°"J73>, P 8 pD CÀ E ÔKµ D , 2017 a 8 p5 5#Q #P , N°A× 2017 a 0°"J73 3 » 8 pK6 dNÓ
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'##+>, P?ú W.j,´ ð ,#- J Ô { 6 Q

^ u1Æ,°P§ Þ A , 2017 a 0°"J73>, PF > ¼ f v ` ? , ° < pF} , >, P?ú W Ô)æ ¼(<
E ÔKµ , | p P >] , 1 ċ >%ö&p > 2017 a , : ÷ (, æ F f F > Q ÔKµ , - \$ f'##+ 8 p TOP3
, ° ÷ (, < a e5Ä, ° = r Ñ =#- J , ¬ c#- J, ° < 6 pEŨ)Q , .#.# a , L*EŨFU QC- > c W
í | ¢ t/p , 2017 a#- J 0°"J73'#"j ž , ° 3NÓ – 47% , 6B ¢ Ý P ^4ð | ¢ 5 A× ,#- J0°"J73
'#"j ž Ô)æ ¼ ì+^#"j = | +^#"j '##+Gý Ì ?]N¼ , ° žM~ KN¼ Æ ì+^#"j Ô { 42% =
| +^#"j Ô { 88% = '##+Gý Ì Ô { Q Eô 669% , e>, P ÔFU, ° C+P8) e w C , ¬ c ì+^
p * e Ô)æNÖ?¼0.j , ? Q ^ aL\$UD>, P 8 p >

+g Ä f 9 v 8 p , - = ~ N ð , °#- J0°"J73 2017 a ^ 8 p ċ p N c. < Ò3e3e , < a
^ M â = _# [= "é M = § ?µ1 • f P!W c = , C ũ m/p “š o+k ” ċ > ũ |H • Ô ,] = æ W =
qL~ = 'š.51 • | P “š o+k ” c = |H • D t Ô Ö >

8 p%' Ñ 75#H t , +^ m %oPÂ e ©Kd

Lš ¼ M â = _# [L , 2018 a , § R = "é M1 • M ĭš o+k 8 p < 5 5#H t ; D m E's o+k ¬
> , < , ° | +^Gý Ì , < >)æ 0" m EGý Ì * 7 { , °%' Ñ ; • ĭGý Ì 8 p Ê+^>á ? ~ ŷ Þ , 0°"J
73'##+ <>áH & ĭ Þ Þ

§ ,ì+^##+'#"j ž 0"j\$ _ ÜL f „ =μ+^ a D l' #FU Ü • PCÀ >CÀ ~ >^ | +^#"j iM~ ,
G^ Í = qL~ = , = œ W =#M#a c ù1• C B f +^ m5Ú % /#"j, °M6"x C s-. B ,+^ m, &i
a ¶ ¶Lü c ^ 0"j\$ _ Ü ` „ = â ™6M+k] Z i M~ >6B ^##+Gý ÌN¼ , CAđ e < m EGý Ì ,
F e] c E Á ¢ § 01‡, °Lü c EGý Ì , G3 f „ \$ _ # F > , = < p l' #H E = „ \$ _ 0"j\$ _ Ü
CCé1•L\$NÍ, ° & ! > 0 Ä!š , A 6!>?·5 5# É ... 8 p pF} , @ é> , P, &i = o °+^ m %PÂ e
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m, °\$' ÜM6"x , ¬ “ ZQ Z „ ”, °(¯ · F p0°"J73 8 p, °O G = >
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#- J Ð 0, ° 2018 ž æ 6 Q "j\$ _ 0°"J73'#"j ž , Gý+^ ¼ 4Ý ° Ý ž-#w NÇ l' #315 ,
FPEý ž ë °73 Ý l ¶ e , Ô , ö#• a p\$ _ Ü D"j\$ _ L , 8 Ð oGf 6 ©NÇ)½Eô f 6 ©F > ,
(ì 7 , B , cE³ ž-#w NÇ Á5_ p , <F > , ~)½ } 10% , COP 6Q %Eô6.0 , " 3 ì = ü
Q 0 9 `1·4Ý • P , F m CAđ e+^"j P, ° E ™ , F e /#"j\$ _ Ü?·"xQ , ° â ™ , G373 oGf 6
8,73, °F > , i E , Ã • C+^ p+kCo(ã 7 ¼ >
#- J'##+ | +^#"j Ý ÷ ? CO2 NÇQ \$ _ -*# ¶ e 73Q ~ l' # 90 , °#"j , ¢ -25
, „ \$ _ F > , , a % ~)½ } 5% , - \$ f B N ¯ ¶ e (5 ^ G 3Tú"é • 80%, ° f p>á Ê+^ , Q
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Z „ ©C» „ \$ _ = „ N) >#- J ž æ 6 '##+Gý Ì Ý ÷Gý+^ Ô Á l' #315 , e#- J0°
"J736Š >"•JÕ2ô p %FV, ° ž æ 6 Ý ÷ , -35

