

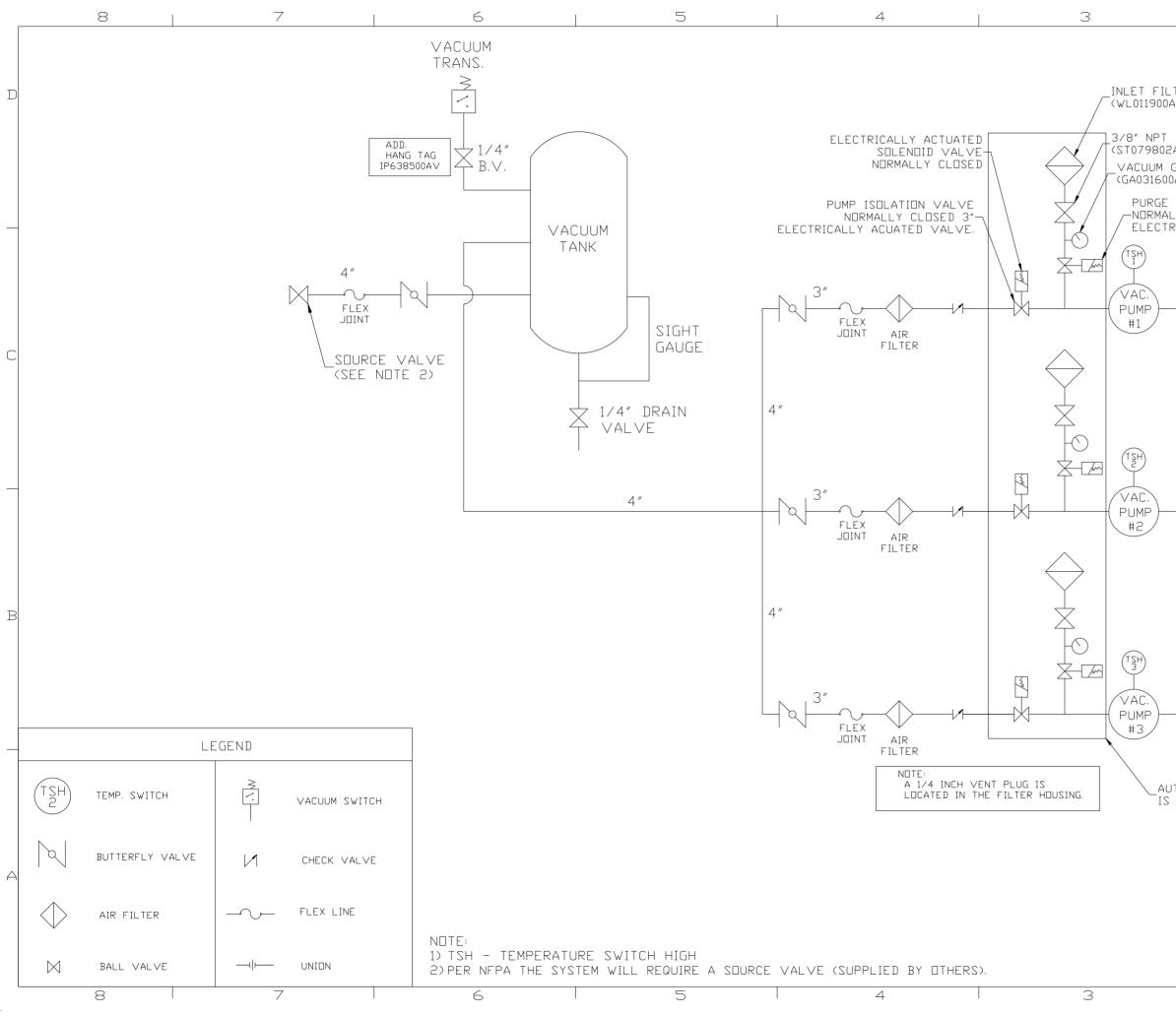
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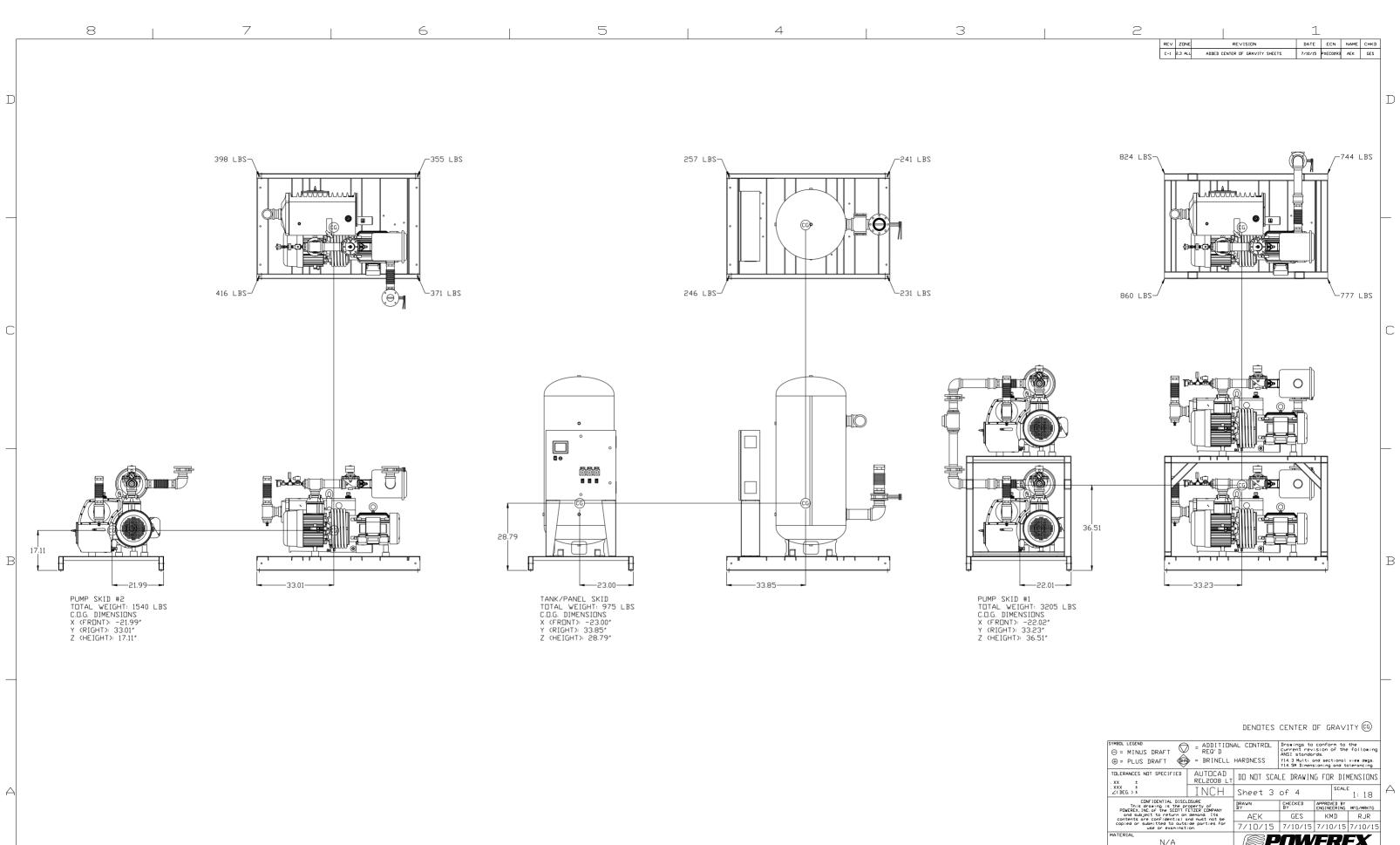
							в
45.16	NDTE: AUTO PURGE	IS OPTIONA	L.				
	SYMBOL LEGEND ⊖ = MINUS DRAFT ⊕ = PLUS DRAFT	<pre>&gt; = ADDITION</pre>	AL CONTROL HARDNESS	Drawings to current revi ANSI standar Y14.3 Multi a Y14.5M Dimens	sion of t ds. nd section	he following al view dwgs.	
	TOLERANCES NOT SPECIFIED . XX ± . XXX ±	AUTECAD REL2008 LT	DO NOT SCAL		G FOR D		
	∠(DEG.) ±	IINCH	Sheet 2	of 4	000	1:18	ΙA
	CONFIDENTIAL DISC This drawing is the pu POWEREX, INC, of the SCOTT	roperty of	DRAWN BY	CHECKED BY	APPROVED E	BY NG MFG∕MRKTG	]
	and subject to return or contents are confidential	demand. Its and must not be	AEK	DMS	JBC	CT	1
	copied or submitted to outs use or examinat	ide parties for	11/15/12	1/2/13	1/2/13	3 1/2/13	]
	MATERIAL N/A			M		ĒY	]
	PART NAME		150 PRODUC Phi 888	TION DRIVE, HA	RRISON, OHI	- 10 45030 -3125	
	15HP LAB V	ALUUM	DWG ND			SIZE	1
	200GAL TR	IPLEX	LVI	PT15	05		
	2			-	1	LVPT1505. dwg	3
				-	_		

2							
R	REV	ZONE	REVISION	DATE	ECN	NAME	СНКД
в	B-1	ALL	RELEASE TO PRODUCTION	1/2/13	PXEC0003	AEK	DMS
c	c-1 e,	.3 ALL	ADDED CENTER DF GRAVITY SHEETS	7/10/15	PXEC0093	AEK	GES

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		REV B-1	ZONE ALL		RE∨ISION E TO PRODUCTION	1	DATE 1/2/13	ECN PXEC0003	NAME AEK	CHK D DMS	
		C-1	2,3 ALL	ADDED CENTE	R DF GRAVITY SH	EETS	7/10/15	PXEC0093	AEK	GES	
LTER DAV)											D
r ball valve	-										
IZAV) GAUGE											
DOAV)											
E SOLENOID V Ally closed :	ALVE										
TRICALLY ACTU		LVE	-								
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UTD PURGE											
S OPTIONAL											
	SYMBOL LEGEND $\Theta = MINUS DR$		$\bigcirc$	= ADDITION REQ'D = BRINELL	AL CONTROL	ANSI s	tandard	onform ti ion of ti 5. sectiono			
	E PLUS DRA TOLERANCES NOT SP NOT		<u> </u>	AUTOCAD REL2008 LT	DO NOT SO	Y14. 5M	Dimensio	ning and	tolerar	ic i ng	
	. XX ± . XXX ± ∠(DEG.) ± CDNFIDE	NTIALI		INCH	Sheet 2			SCA	1:	18	Α
	This drawin PDWEREX, INC. of and subject to contents are con	g is th the SCE retur fident	ne prop JTT FET n on de	perty of IZER COMPANY emand. Its i must not be	DRAWN BY AEK	CHECKE BY DM	s	JBC		MRKTG CT	
	copied or submitt use c MATERIAL	N/A	ination	n	11/15/1	2 1/2/ D		1/2/13 577		2/13	
	PART NAME TRIPLEX		ΒV	ACUUM		3DUCTION DRI 888-769-797	VE, HARR	сии ISDN, DHI 513) 367-	0 45030 -3125	SIZE	
	FLOW					VPT 1	150	15		D	
	2						1		LVPT	1505. dwg	



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STMBDL LEGEND       = ADDITIONAL CONTROL       Drowings to conform to the current revision of the following REG/D         ⊕ = PLUS DRAFT       ● BRINELL HARDNESS       NSI standards.         ♥ = PLUS DRAFT       ● BRINELL HARDNESS       Y14.5M Dimensioning and tolerancing							
TOLERANCES NOT SPECIFIED . XX ±	AUTOCAD REL2008 L	T DO NOT SCA	DD NDT SCALE DRAWING FOR DIMENSIONS				
. XXX ± ∠ <deg.>±</deg.>	INCH	Sheet 3	of 4		SCALI	e 1:18	
CONFIDENTIAL DISCL This drawing is the pr POWEREX, INC, of the SCOTT F	DRAWN BY	CHECKED BY	APPROVE		MFG/MRKTG		
and subject to return on contents are confidential a	demand. Its ind must not be	AEK	GES	КМ	D	RJR	
copied or submitted to outs use or examinat		7/10/15	7/10/15	7/10	/15	7/10/15	
MATERIAL N/A			OW	=		EX	
15HP LAB V			TION DRIVE, H -769-7979 FAX				
I JUL LAD V	ACUUM	DWG ND				SIZE	
200GAL TRIPLEX LVPT1505 D							
2			-	1		LVPT1505. dwg	)

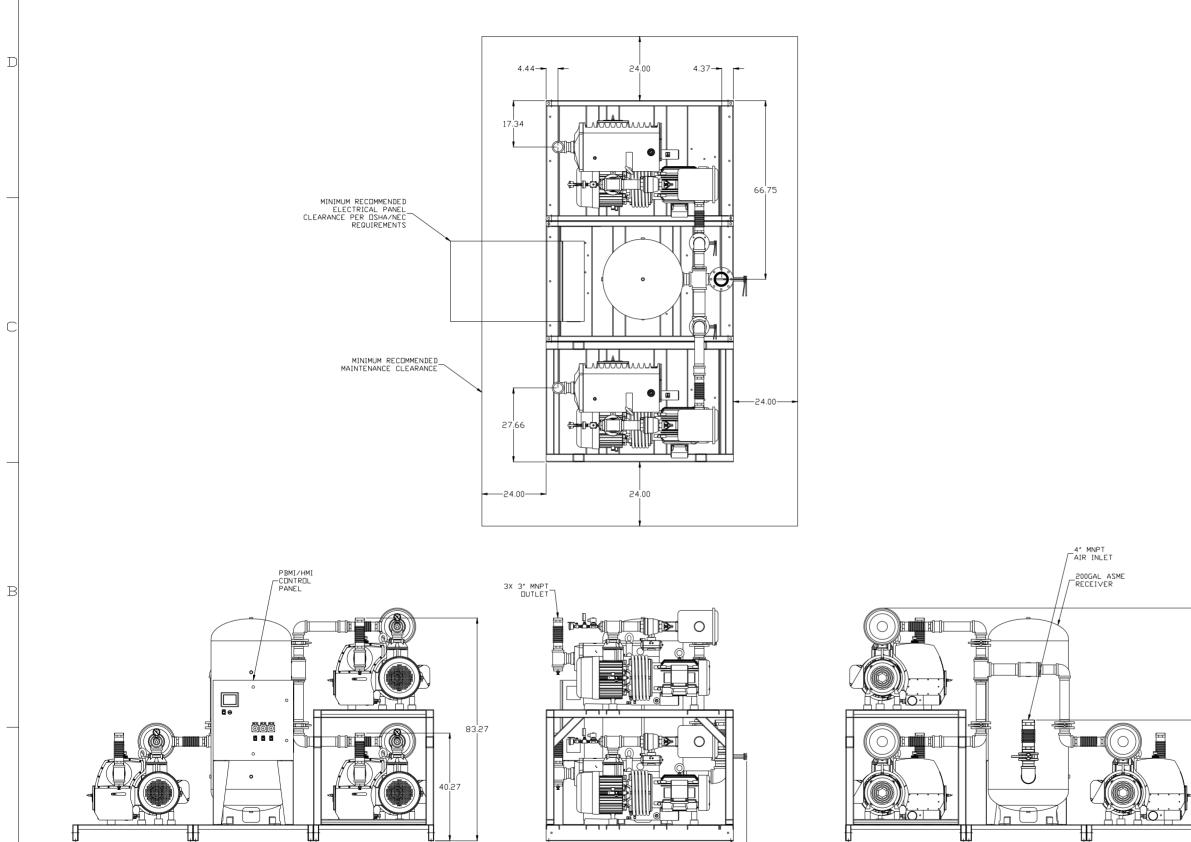
F	8	7	6	5		4		3	2
ם					511 LBS-		-464 LBS		
_					977 LBS-		• 		
С							927 LBS		
					489 LBS-		-444 LBS		
в									
							Ħ		
A		29.94							SYMBOL LECEND $\bigcirc$ = MINUS DF $\bigcirc$ = PLUS DR/ TOLERANCES NDT : .XX ± .XX ± .XX ± 
	8	7	-	SYSTEM TDTAL WEIGHT: 5720 LBS C.D.G. DIMENSIONS X (FRONT): -54.19" Y (RIGHT): 33.29" Z (HEIGHT): 29.94"		4		3	MATERIAL 2000GA
	$\smile$	/	$\smile$	0	,			<u> </u>	L

SYMBOL LEGEND	) = ADDITION REQ'D	AL CONTROL	Drawings to current rev	ision of the			
Θ = MINUS DRAFT			ANSI standa				
⊕ = PLUS DRAFT	▶ = BRINELL	HARDNESS	Y14.3 Multi o Y14.5M Dimens				
TOLERANCES NOT SPECIFIED . XX ±	AUTOCAD REL2008 LT	DO NOT SCA	DO NOT SCALE DRAWING FOR DIMENSIONS				
. XXX ± ∠(DEG.) ±	INCH	Sheet 4	of 4	SCALI	E 1:18	A	
CONFIDENTIAL DISCL This drawing is the pr POWEREX, INC, of the SCOTT F	operty of	DRAWN BY	CHECKED BY	APPROVED BY ENGINEERING	MFG/MRKTG	]	
and subject to return on contents are confidential of	demand. Its nd must not be	AEK	GES	KMD	RJR		
copied or submitted to outs use or examinat		7/10/15	7/10/15	7/10/15	7/10/15		
MATERIAL					EV	1	
N/A			UVV				
PART NAME			TION DRIVE, H				
15HP LAB V	ACUUM	DWG ND	-/67-/7/7 /44	(313) 367-3	SIZE		
200GAL TR	IPLEX	LV	PT15	05			
2			-	1	LVPT1505. dwg	,	
			-	<u> </u>			

DENDTES CENTER DF GRAVITY

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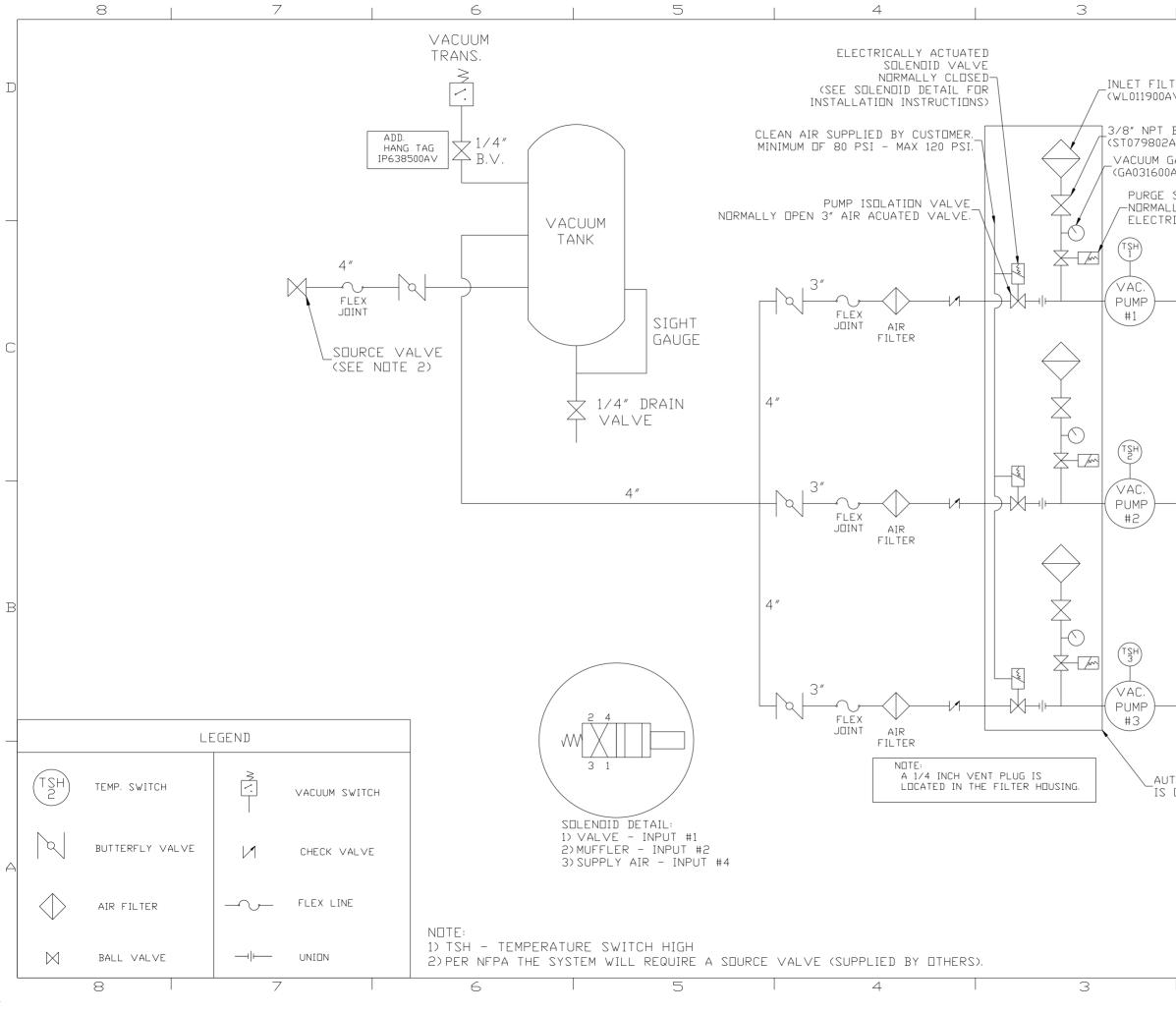
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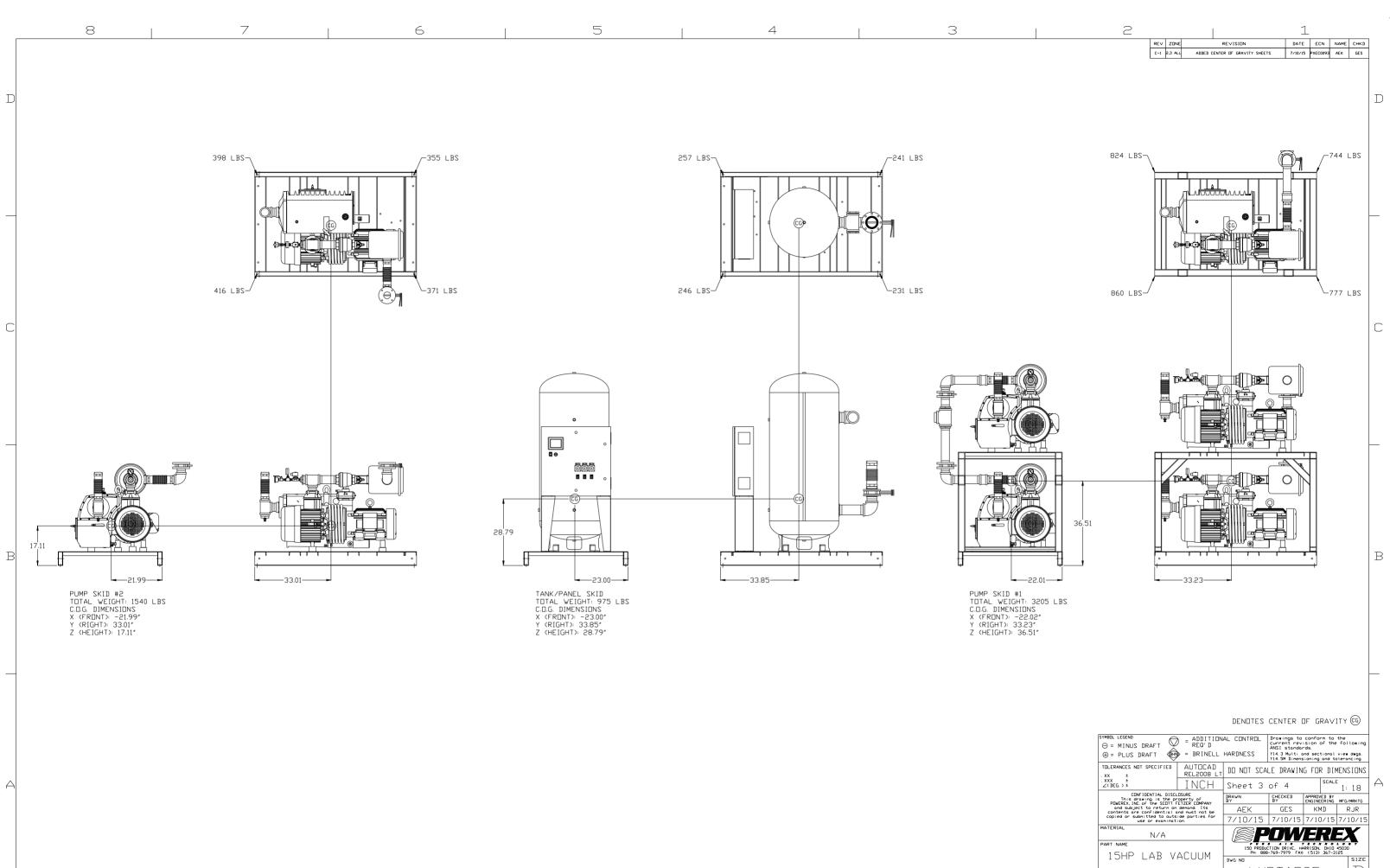
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45.16 NDTE: AUTO PURGE IS OPTIONAL. SYMBOL LEGEND $\Theta = MINUS DRAFT$ $\Theta = ADDITIONAL CONTROL REG'D ADDITIONAL CONTROL Browings to conform to the Current revision of the following REG'D$	
⊕ = PLUS DRAFT     ⊕ = BRINELL HARDNESS     Y14.3 Multi and sectional vice degs.     Y14.5 Multi-mensioning and toterancing     TOLERANCES NOT SPECIFIED     AUTOCAD     DO NIDT SCALE DOALING FOR DUMENTICIDUS	
	Δ
CONFIDENTIAL DISCLOSURE DRAWN CHECKED APPROVED BY	
TUMP IDENTIAL DISCUSSIVE DRAWN CHECKED APPROVED BY POWERX, INC. of the SCIDT FEIZER COMPANY end subject to return on demand life be AEK DMS JBC CT	
contents are confidential and nust not be Copied or submitted to outside parties for use or examination.	
PART NAME	
15HP LAB VACUUM	
200GAL TRIPLEX LVPT1505 D	
2 L VPT1505. dwg	

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	REV	ZONE	REVISION	DATE	ECN	NAME	СНКД
	B-1	ALL	RELEASE TO PRODUCTION	1/2/13	PXEC0003	AEK	DMS
	C-1	2,3 ALL	ADDED CENTER DF GRAVITY SHEETS	7/10/15	PXEC0093	AEK	GES

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	2						1				
		REV B-1	ZONE ALL		RE∨ISION E TO PRODUCTION	1	DATE 1/2/13	ECN PXEC0003	NAME AEK	CHK D DMS	
		C-1	2,3 ALL	ADDED CENTE	R DF GRAVITY SH	EETS	7/10/15	PXEC0093	AEK	GES	
LTER DAV)											D
r ball valve	-										
IZAV) GAUGE											
DOAV)											
E SOLENOID V Ally closed :	ALVE										
TRICALLY ACTU		LVE	-								
	3″										
$\downarrow$	FLEX JDINT										
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$\mathbf{X}$	JOINT										
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UTD PURGE											
S OPTIONAL											
	SYMBOL LEGEND $\Theta = MINUS DR$		$\bigcirc$	= ADDITION REQ'D = BRINELL	AL CONTROL	ANSI s	tandard	onform ti ion of ti 5. sectiono			
	E PLUS DRA TOLERANCES NOT SP NOT		<u> </u>	AUTOCAD REL2008 LT	DO NOT SO	Y14. 5M	Dimensio	ning and	tolerar	ic i ng	
	. XX ± . XXX ± ∠(DEG.) ± CDNFIDE	NTIALI		INCH	Sheet 2			SCA	1:	18	Α
	This drawin PDWEREX, INC. of and subject to contents are con	g is th the SCE p retur fident	ne prop JTT FET n on de	perty of IZER COMPANY emand. Its i must not be	DRAWN BY AEK	CHECKE BY DM	s	JBC		MRKTG CT	
	copied or submitt use c MATERIAL	N/A	ination	n	11/15/1	2 1/2/ D		1/2/13 577		2/13	
	PART NAME TRIPLEX		ΒV	ACUUM		3DUCTION DRI 888-769-797	VE, HARR	сии ISDN, DHI 513) 367-	0 45030 -3125	SIZE	
	FLOW					VPT 1	150	15		D	
	2						1		LVPT	1505. dwg	



SYMBOL LEGEND $\Theta$ = MINUS DRAFT	) = ADDITION REQ'D	AL CONTROL	Drawings to current rev ANSI standa	ision of			
⊕ = PLUS DRAFT	⇒ = BRINELL	HARDNESS	Y14.3 Multi o Y14.5M Dimens				
TOLERANCES NOT SPECIFIED . XX ±	AUTOCAD Rel2008 LT	DO NOT SCAI	_E DRAWIN	G FOR	D I ME	ENSTONS	
.XXX ± ∠(DEG.)±	INCH	Sheet 3	of 4	so	ALE	1:18	
CONFIDENTIAL DISCL This drawing is the pr POWEREX, INC, of the SCOTT F	operty of	DRAWN BY	CHECKED APPROVED BY BY ENGINEERING MFG/M			IFG/MRKTG	
and subject to return on contents are confidential a	demand. Its nd must not be	AEK	GES	KMD		RJR	
copied or submitted to outsi use or examinati		7/10/15	7/10/15	7/10/	15 7	7/10/15	
N/A			OW	= ;	1 =	X	
PART NAME			TION DRIVE, H				
15HP LAB V	ACUUM	DWG ND	-/63-/3/3 /44	. (313/ 36	-31c.	SIZE	
200GAL TRI	PLEX	LVI	PT15	05		D	
2			-	1	L	VPT1505. dwg	

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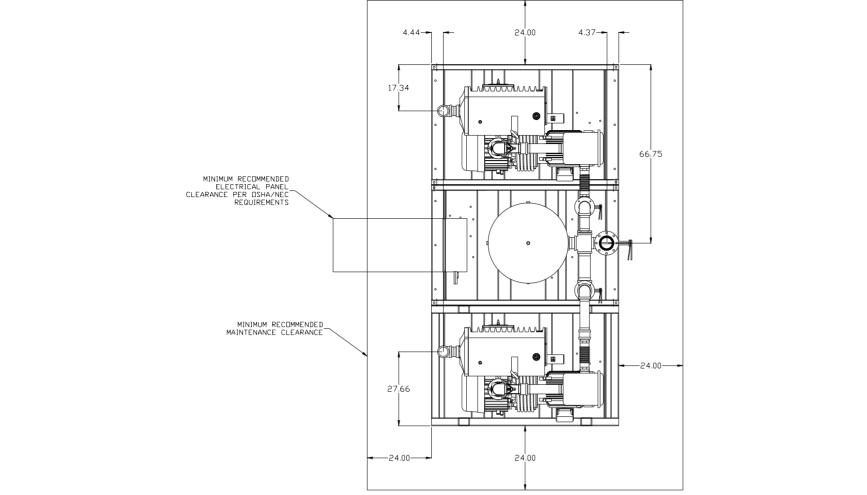
Г	8	7		6   5	5	4		3		2
D						511 LBS	-464 LBS			
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		29.5							Θ	IBOL LEGEND ) = MINUS DR ) = PLUS DRA
A		Ļ	<del></del>	SYSTEM	<u>+</u> 	33.29	· · · · · · · · · · · · · · · · · · ·		TDL - XX - XX	LERANCES NOT S X ± XX ± (DEG.) ±
				SYSTEM TOTAL WEIGHT: 5720 C.D.G. DIMENSIONS X (FRONT): -54.19" Y (RIGHT): 33.29" Z (HEIGHT): 29.94"	r B2				PAR	CDNFIDE This drawin POWCREX, NC. of and subject t contents are cor copied or subnit use i TERIAL RT NAME
	8	7		6	5	4		3		15HP L 200GAI 2

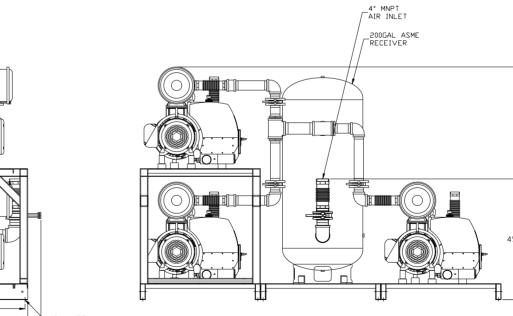
SYMBOL LEGEND		AL CONTROL	Drawings to current rev				
$\Theta$ = MINUS DRAFT	REQ'D		ANSI standa				
⊕ = PLUS DRAFT	▶ = BRINELL	HARDNESS	Y14.3 Multi and sectional view dwgs. Y14.5M Dimensioning and tolerancing				
TOLERANCES NOT SPECIFIED . XX ±	AUTOCAD REL2008 LT	DO NOT SCA	DO NOT SCALE DRAWING FOR DIMENSIONS				
. XXX ± ∠(DEG.)±	INCH	Sheet 4	of 4	SCAL	- 1:18	A	
CONFIDENTIAL DISCL This drawing is the pr POWEREX, INC. of the SCOTT F	operty of	DRAWN BY	CHECKED APPROVED BY BY ENGINEERING M				
and subject to return on contents are confidential o	demand. Its nd must not be	AEK	GES	КМD	RJR		
copied or submitted to outs use or examinat		7/10/15	7/10/15	7/10/15	7/10/15		
MATERIAL					EV		
N/A			UVV				
PART NAME		150 PRODU	CTION DRIVE, H	ARRISON, DHID	45030		
15HP LAB V	ACUUM		I-769-7979 FAX	(513) 367-3	I25 SIZE		
10111 2112 11		DWG ND			SIZE		
200GAL TRI	IPLEX	LV	PT15	05	D		
2			-	1	LVPT1505. dwg	i	
Ĺ	1		-	1			

DENDTES CENTER DF GRAVITY

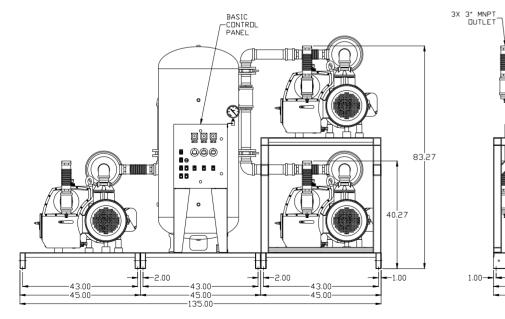
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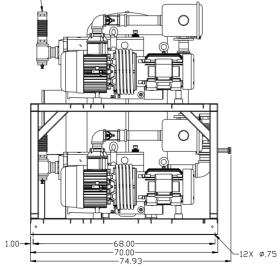




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45.16							
₽,	SYMBOL LEGEND ⊖ = MINUS DRAFT ⊕ = PLUS DRAFT TOLERANCES NOT SPECI .XX ± .XX ± .XX ± .CDWFIDENTIA This drawing is POWEREX.INC. of the and subject to re- contents are confide	BHING = BRINELL	Sheet 2 BRAWN BY AEK	VIA. 3 Multi YIA. 5M Dimen ALE DRAWIN OF 4 CHECKED BY DMS	APPROVED BY ENGINEERING JBC	View dwgs. Dierancing MENSIONS E 1:18 MFG/MRKTG CT	A
	PART NAME 15HP LAI		DWG ND	<b>PDW</b> (CTION DRIVE, H 8-769-7979 FAX PT15		1/2/13	

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REV ZONE B-1 ALL

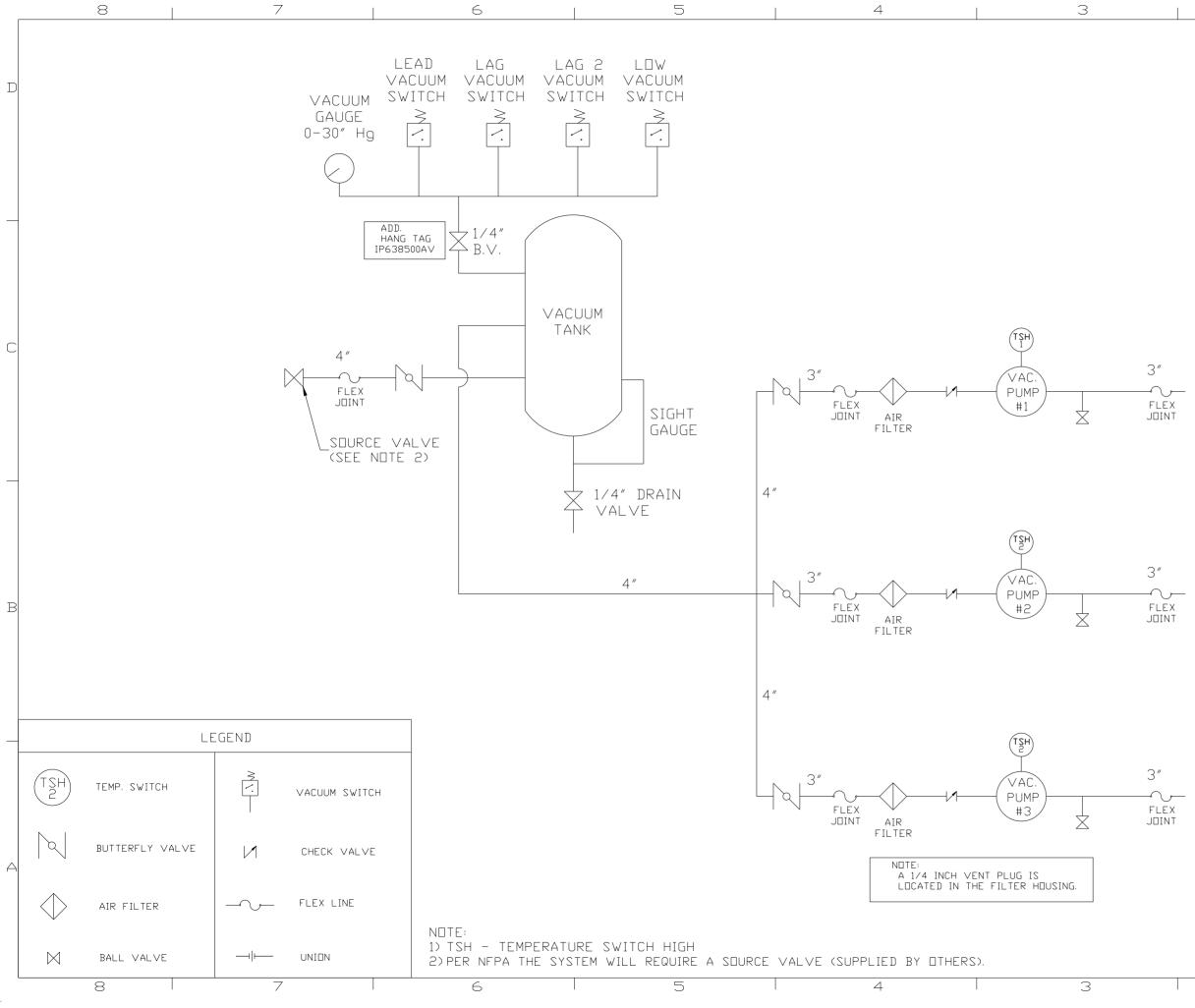
C-1 2,3 ALL

RE∨ISION RELEASE TO PRODUCTION 1

ADDED CENTER DF GRAVITY SHEETS 7/10/15 PXEC0093 AEK GES

DATE ECN NAME CHKD 1/2/13 PXEC0003 AEK DMS

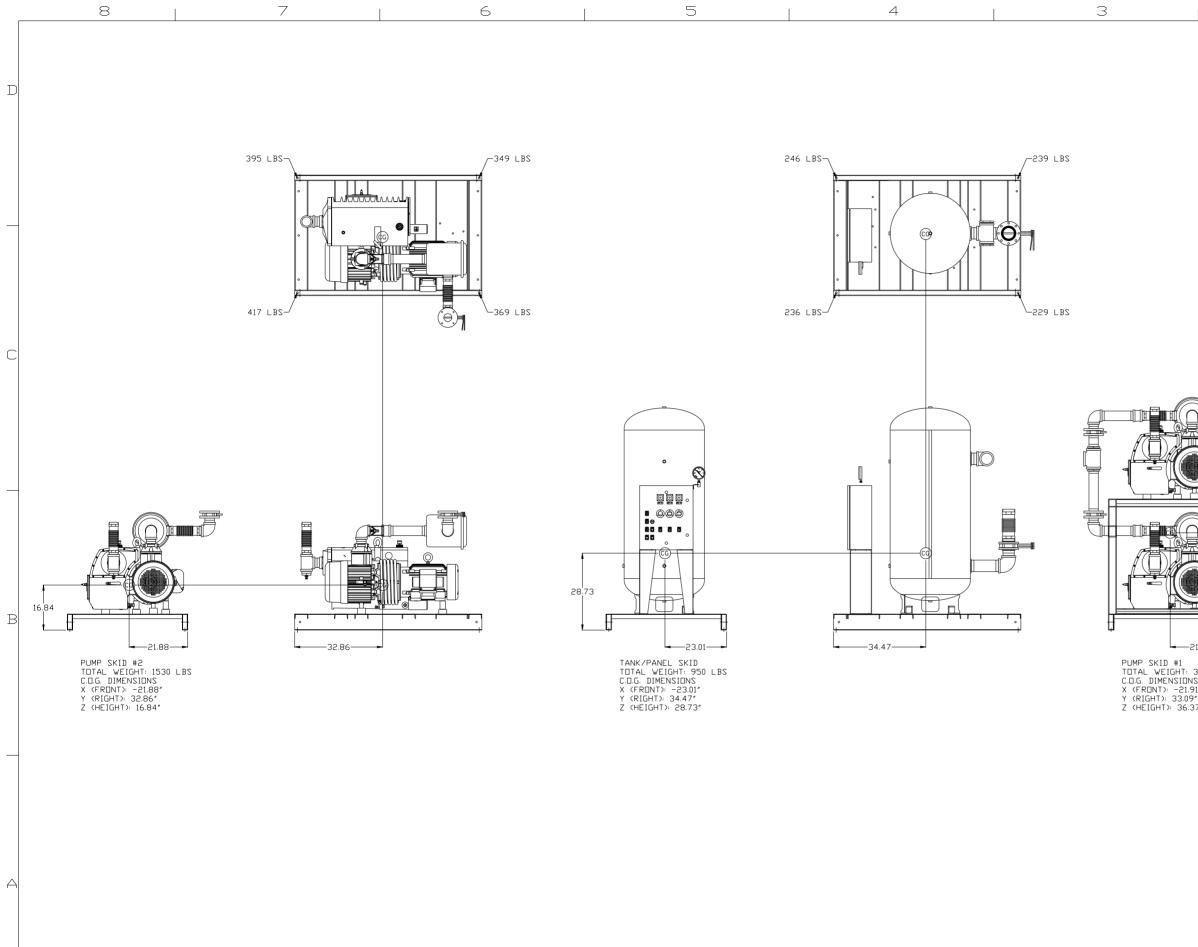
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				B
				_
⊖ = MINUS DRAFT ₩ REQ'D	NAL CONTROL	ANSI standards	onform to the on of the follow 5. sectional view dw	
⊕ = PLUS DRAFT     ⊕     ⊕     = BRINELL     TOLERANCES NDT SPECIFIED     AUT⊡CAD		Y14.5M Dimension	FOR DIMENSI	ng
xxx ± REL2008 L1 xxx ± INCH	Sheet 2		SCALE	
	DRAWN BY		PROVED BY	_
This drawing is the property of PDUEEX, NLO of the SCUIT FEIZER CUMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to autside parties for	AEK	DMS	JBC CT	
MATERIAL	11/15/12			
PART NAME		CTION DRIVE, HARR		•
TRIPLEX LAB VACUUM	DWG ND		s	IZE
FLOW SCHEMATIC	LV	PT150		D
2		1	LVPT150	05. dwg

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2				1			
	REV	ZONE	REVISION	DATE	ECN	NAME	СНКД
	B-1	ALL	RELEASE TO PRODUCTION	1/2/13	PXEC0003	AEK	DMS
	C-1	2,3 ALL	ADDED CENTER OF GRAVITY SHEETS	7/10/15	PXEC0093	AEK	GES



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		2		1	
		REV ZONE C-1 2.3 ALL	REVISION ADDED CENTER DF GRAVITY SH	DATE ECN NAME CHK HEETS 7/10/15 PXEC0093 AEK GES	_
					D
		818 LBS		-733 LBS	
		821 LBS-		-772 LBS	
					С
	36.37				
					В
		ن <b>پ</b>	3.09		
			DENOTE	S CENTER OF GRAVITY	
			BRINELL HARDNESS	<ul> <li>Drawings to conform to the current revision of the followin ANSI standards.</li> <li>Y14.3 Multi and sectional view degs Y14.5M Dimensioning and tolerancing</li> <li>CALE DRAWING FOR DIMENSION</li> </ul>	
		.XX ± R .Z(DEG.) ± CDNFIDENTIAL DISCLOSU TONFIDENTIAL DISCLOSU TONFIDENTIAL DISCLOSU TONFIDENTIAL DISCLOSU TONFIDENTIAL DISCLOSU TONFIDENTIAL DISCLOSU CONTENTS are confidential and in copied or submitted to outside use or examination	NCH Sheet 3	3 of 4 SCALE CHECKED APPROVED BY ENGINEERING MEGANERIC GES KMD RJR	
		MATERIAL N/A PART NAME 15HP LAB VAC	150 PR	DUCTION DRIVE, HARRISON, DHID 45030 888-769-7979 FAX: (513) 367-3125	
7		200GAL TRIP		VPT1505	
1		<u> </u>		<u> </u>	

	8	7	6	5	4	-	3	i
D					509 LBS		LBS	
_					966 LBS		L B2	
С							LBS	
_					482 LBS-	437	LBS	
В								
		29.80						SYMBOL LEG
A		€ţ		54.04 SYSTEM TOTAL WEIGHT: 5665 LBS C.D.G. DIMENSIONS X (FRONT): -54.04" Y (RIGHT): 33.27" Z (HEIGHT): 29.80"	33.27			SYMBUL LEC $\Theta = MI$ $\Psi = PL$ TDLERANC .XX .XX .XX .XX .XX .XX .XX .X
								20

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$\Theta = MINUS DRAFT$	) = ADDITION REQ'D	AL CONTROL	Drawings to conform to the current revision of the following ANSI standards.			
🕀 = PLUS DRAFT	BRINELL	HARDNESS Y14.3 Multi and sectional view dwgs. Y14.5M Dimensioning and tolerancing				
TOLERANCES NOT SPECIFIED . XX ±	DO NOT SCA	LE DRAWIN	G FOR DI	MENSIONS		
. XXX ± ∠(DEG.)±	INCH	Sheet 4 of 4		SCALI	scale 1:18	
CONFIDENTIAL DISCL This drawing is the pr POWEREX, INC, of the SCOTT F	DRAWN BY	CHECKED BY	APPROVED BY ENGINEERING	MFG/MRKTG		
and subject to return on demand. Its contents are confidential and must not be		AEK	GES	KMD	RJR	
copied or submitted to outs use or examinat	7/10/15	7/10/15	7/10/15	7/10/15		
N/A		OW		EX		
15HP LAB V		CTION DRIVE, H		45030		
I JUL LAD V	ACUUM	DWG ND			SIZE	1
200GAL TRI	IPLEX	LV	PT15	05	D	
2			-	1	LVPT1505. dwg	1

DENDTES CENTER DF GRAVITY  $^{
m CG}$ 

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