

AP - 37

APPROVALS

YEAR(S):

2012-2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Thursday, January 10, 2013 10:29 AM
To: Jason Henry (JHenry@paalp.com)
Cc: Leking, Geoffrey R, EMNRD; Jeffrey P Dann (jpdann@paalp.com)
Subject: Recommendations Approval (2011) (AP-37) - Plains Lovington Deep 6-inch Release Site

**RE: Annual Monitoring Report (2011)
for the Plains Marketing, L.P.
Lovington Deep 6-inch Release Site (AP-37)
Unit Letter H of Section 6, T17S, R36E, NMPM, Lea County, New Mexico
Recommendations Approval**

Dear Mr. Henry:

The New Mexico Oil Conservation Division (OCD) has received Plains' report (including proposed "Anticipated Actions") the above-referenced site (dated March 2012). The above-referenced report, submitted in partial fulfillment of 19.15.30 NMAC (Rule 30, formally, Rule 19), indicates that Plains has partially met the requirements of 19.15.30 NMAC for this site. Therefore, the OCD hereby approves the Recommendations for the Lovington Deep 6-inch Release Site.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, February 08, 2012 3:37 PM
To: 'Jason Henry'
Cc: Leking, Geoffrey R, EMNRD; 'Jeffrey P Dann'
Subject: 12-hour Mobile Dual Phase Extraction (MDPE) Event Approval (AP-37) - Plains Lovington Deep 6-inch Release Site

**RE: 12-hour Mobile Dual Phase Extraction (MDPE) Event Approval
for the Plains Marketing, L.P.
Lovington Deep 6-inch Release Site (AP-37)
Unit Letter H of Section 6, T17S, R36E, NMPM, Lea County, New Mexico**

Dear Mr. Henry:

The New Mexico Oil Conservation Division (OCD) has received the workplan for a 12-hour Mobile Dual Phase Extraction (MDPE) Event, dated February 7, 2012, (including the unit specifications, dated May 3, 2011) for the above-referenced site, and has conducted a review of the plan. The plan substantially meets the requirements of 19.15.30 NMAC. Therefore, the OCD hereby conditionally approves the workplan:

Plains must submit to the OCD the event report within 45 days upon event completion.

Please be advised that OCD approval of this workplan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Hansen, Edward J., EMNRD

From: Jason Henry [JHenry@paalp.com]
Sent: Tuesday, February 07, 2012 2:46 PM
To: Hansen, Edward J., EMNRD
Subject: Mobile Dual Phase Extraction event at 1 Plains' site in Lea Co., NM

Ed,

Plains respectfully requests NMOCD approval to conduct a 12-hour Mobile Dual Phase Extraction (MDPE) event at the following site:

•Lovington Deep 6-inch (AP-037)

The fluids generated during the course of the MDPE event will be transported off-site with a vacuum truck for proper disposal.

Plains will submit a report to the NMOCD summarizing the data collected at this site during the MDPE event.

Please let me know if you have any questions or need more information.

Thank you,
Jason Henry
575-441-1099

Hansen, Edward J., EMNRD

From: Jason Henry [JHenry@paalp.com]
Sent: Tuesday, May 03, 2011 1:01 PM
To: Hansen, Edward J., EMNRD
Subject: Talon MDPE unit for Plains' sites
Attachments: IMG_0174.jpg; IMG_0175.jpg; VLR SMV 500 spec sheet.pdf

Ed,

Please see the information below regarding the components of the Talon MDPE unit. I've tried to forward the attachments that were included with the original e-mail as well.

Please let me know if you need more information than provided below and I'll try to track it down.

Thank you,
Jason Henry
575-441-1099

Information provided by Talon MDPE Program Manager:

Attached are some pics of the VAC100 unit based out of our Amarillo office and the spec sheet for the vapor extraction pump (VLR500-60 Hz) it utilizes. Below are the highlights of what this unit is capable of:

- VAC100 Thermtec thermal oxidizer. Rated for the destruction of 1000 cfm @ 80% LEL. Which equates to ~172.96 lbs/hr of gasoline.
- VLR500 Reitschle Claw blower generating up to 25" Hg.
- 1000 cfm Centrifical Blower used to introduce dilution air prior to oxidizer entry.
- Air Compressor with 60 gallon tank to provide injection air to the bottom of the stingers to aid in lift.
- Moyno 35601 liquid transfer pump
- 6" auto dilution valve and other safeties to ensure extracted soil vapor is destroyed.
- Able to extract from up to 5 wells simultaneously.
- Electrical components powered by a 60 kw diesel generator.
- The oxidizer utilizes either soil vapor or propane to maintain 1410°F.

Respectfully,

Simon I. Walshe

Talon/LPE

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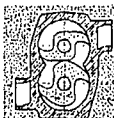
Attention:

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Data



Vacuum pumps

Bombas de vacío

Rompes a vide

Bombas de vacuo

VLR

ZEPHYR

VLR 60

VLR 100

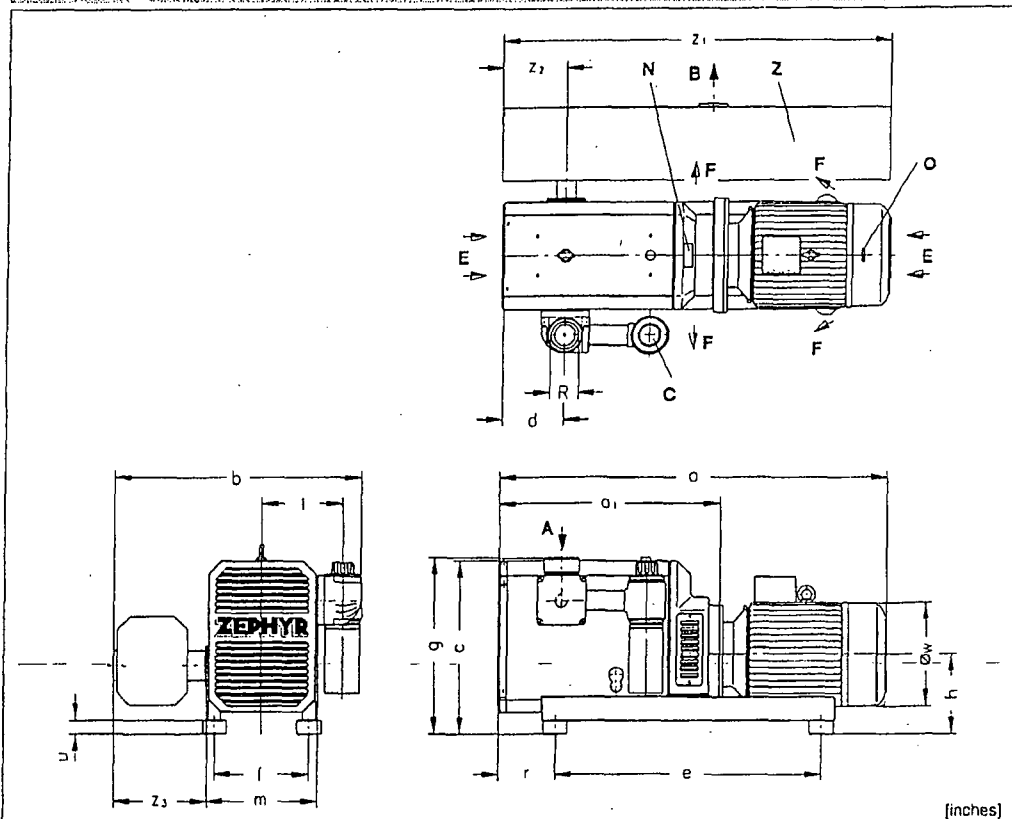
VLR 150

VLR 250

VLR 300

VLR 400

VLR 500



A	Vacuum connection	Conexión vacío	Raccord du vide	Conexão do vácuo
B	Exhaust	Escape	Refoulement	Exaustão
C	Vacuum regulating valve	Válvula reguladora de vacío	Valve réglage vide	Válvula de regulagem do vácuo
E	Cooling air entry	Entrada aire refrigerante	Entrée air refroidissement	Entrada do ar refrigerante
F	Cooling air exit	Salida aire refrigerante	Sortie air refroidissement	Saída do ar refrigerante
N	Data plate	Placa lecha	Etiquette caractéristique	Placa da data
O	Rotation arrow	Dirección de rotación	Flèche sens rotation	Direção da rotação
Z	Exhaust silencer	Silenciador escape	Silencieux refoulement	Silenciador de exaustão

VLR		60	100	150	250	300	400	500
[inches]	a	50 Hz 24.61	26.02	32.52	31.73	35.08	41.69	47.28
		60 Hz 24.45	29.28	34.76	35.43	35.43	42.05	43.89
	a1	50 Hz 14.45	15.43	18.70	19.13	19.13	23.62	26.93
		60 Hz 14.45	17.60	20.83	19.92	19.92	26.54	27.32
	b	14.17	21.26	20.83	28.43	28.43	29.29	30.08
	c	11.42	14.17	14.76	20.67	20.67	20.67	20.67
	d	2.36	3.62	2.28	3.94	3.39	7.76	7.76
	e	9.65	17.32	15.04	28.35	28.35	32.28	32.28
	f	6.30	8.66	6.30	11.42	11.42	11.42	11.42
	g	13.98	14.53	15.39	19.41	19.41	20.94	20.94
	h	5.91	5.91	6.50	9.45	9.45	9.45	9.45
	i	5.43	7.17	6.97	9.25	9.25	9.65	9.65
	m	6.46	10.24	10.00	13.39	13.39	13.39	13.39
	r / u	4.21 / 0.59	3.03 / 0.59	4.56 / 1.18	4.37 / 1.57	4.37 / 1.57	7.05 / 1.57	7.05 / 1.57
	ow	50 Hz 7.28	6.93	7.72	8.66	9.68	9.68	12.28
		60 Hz 7.95	6.62	7.88	9.57	9.57	9.57	11.47
	z1	10.83	25.59	25.59	39.37	39.37	39.37	47.24
	z2 / z3	2.36 / 4.72	3.94 / 7.68	3.94 / 7.68	3.15 / 10.63	3.15 / 10.63	3.15 / 10.63	7.87 / 11.42
	R	1" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT	3" NPT	3" NPT

DA 880

1-2-2004

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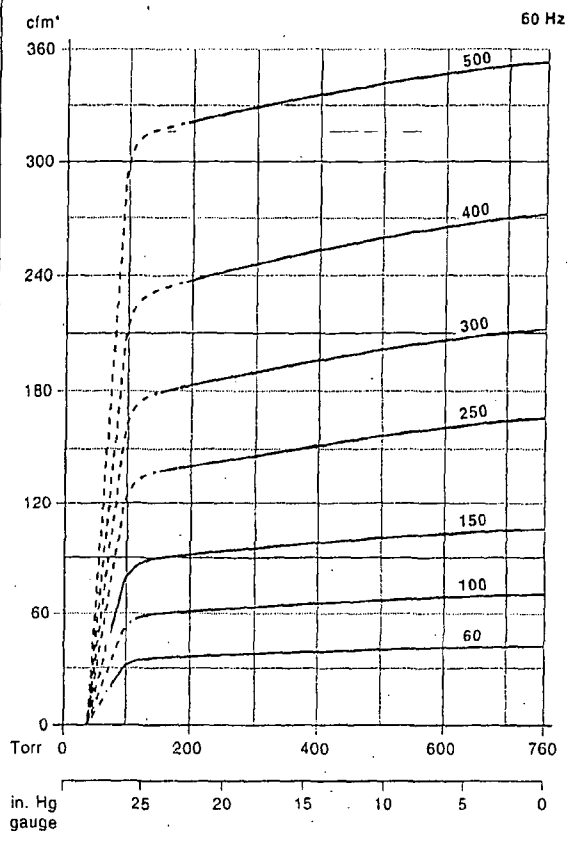
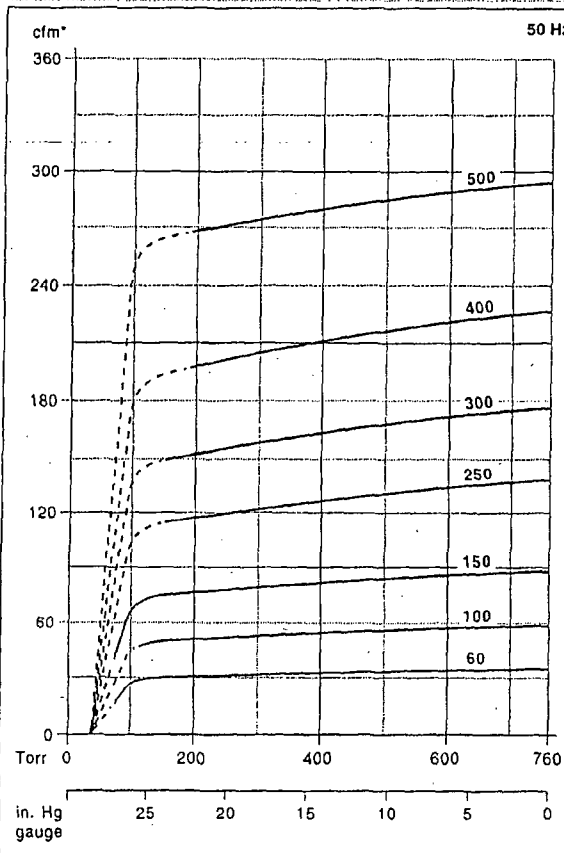
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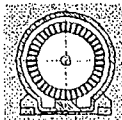
VLR	60	100	150	250	300	400	500
cfm	35.3	58.9	88.3	138	177	227	294
60 Hz	42.4	70.6	106	166	212	272	353
P ₁	38 Torr - 28.44 in. Hg (gauge)						
P ₂	75 Torr - 27.0 in. HgV	113 Torr - 25.5 in. HgV	75 Torr - 27.0 in. HgV	150 Torr - 24.0 in. Hg (gauge)	188 Torr - 22.5 in. Hg (gauge)		
3 -	230/400V ± 10%			208-230/460V ± 10%		400/690V ± 10%	
50 Hz	1.1	2.2	3.0	4.0	5.5	7.5	9.0
60 Hz	2.0	3.0	5.0	7.5	10	15	15
kw	4.7/2.7	8.7/5.0	8.7/5.0	14.4/8.3	11.0/6.4	15.0/8.7	19.0/11.0
hp	#	8.1-7.6/3.8	13.2-12/6.0	21-18.8/9.4	21-18.8/9.4	25-24/12	39-37/18.5
A							
rpm	50 Hz	2850					
60 Hz	3460						
dB(A)	50 Hz	#	78	#	78	79	82
60 Hz	#	82	#	82	83	84	84
lbs	50 Hz	112	220	276	386	496	551
60 Hz	#	237	304	430	496	565	639
qt	50 Hz	0.4	0.5	0.6	0.9	0.9	0.9
60 Hz							
ZRK / ZVF	25 (03) / 32 (52)	40 (03) / 40 (53)	40 (03) / 40 (53)	50 (03) / 50 (53)	50 (03) / 50 (53)	80 (03) / 100 (51)	80 (03) / 100 (51)
ZMS / ZAD	#	#	#	#	#	#	#

cfm	Capacity	Capacidad	Débit	Capacidade
p ₁	Ultimate vacuum max.	Vacío final máx.	Vide limite max.	Vácuo final máx.
p ₂	Ult. vacuum continuous operation	Vacío final permanente	Vide limite fonctionnement continu	Vácuo final permanente
3 -	Motor version	Versión motor	Exécution moteur	Versão do motor
kw / hp	Motor rating	Datos motor	Puissance moteur	Potência do motor
A	Full load amperage	Amperaje de plena carga	Intensité absorbée	Amperagem da carga total
rpm	Speed	Velocidad	Vitesse rotation	Velocidade
dB(A)	Average noise level	Nivel de ruido medio	Niveau sonore moyen	Nível médio de ruído
lbs	Weight	Peso	Poids	Peso
qt	Oil capacity (Gear)	Instrumentos capacidad aceite	Charge d'huile (Engrenage)	Engrenagem da capacidade do óleo
ZRK	Accessories	Accesorios	Accessoires	Acessórios
ZVF	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
ZMS	Vacuum tight suction filter	Filtro succión hermético	Fillre d'aspiration étanche	Filtro de sucção à prova de vácuo
ZAD	Motor starter	Arranque motor	Disjoncteur moteur	Arranque do motor
ZBZ	Soft starter	Soft starter	Démarrage progressif	Soft starter
	Sound box	Caja de sonido	Caisson insonorisant	Canópia



* Relates to pump inlet conditions. / se refiere a las condiciones de entrada de la bomba. / relatif à l'état régnant à l'aspiration. / refere-se a condições de entrada de bomba.
 Curves and tables refer to vacuum pump at normal operating temperature. / Las curvas y las tablas se refieren a la bomba de vacío a la temperatura normal de operación. / Les courbes et tableaux sont établies, pompe à température de fonctionnement. / As curvas e tabelas referem-se à bomba a vácuo a temperatura normal de operação.
 Technical information is subject to change without notice. / La información técnica está sujeta a cambios sin previo aviso. / Sous réserve de modification technique. / A informação técnica está sujeita a mudança sem aviso prévio.
 The listed values for a, a, w and full load amperage may vary because of different motor manufacturers. / Los valores listados para a, a, w y para el amperaje de carga completa pueden variar para distintos fabricantes de motores. / Les dimensions a et a, w ainsi que l'ampérage peuvent différer des données indiquées ci-dessus, selon le fabricant du moteur. / Como variam os fabricantes de motores, poderá haver variação dos valores indicados para a, a, w e para uma amperagem da carga total.
 # on request # on pedido # sur demande # a pedido

Data



Side channel
vacuum pumps

Bombas de vacío
de canal lateral

Turbine latérale
vide

Bombas de vácuo
de canal lateral

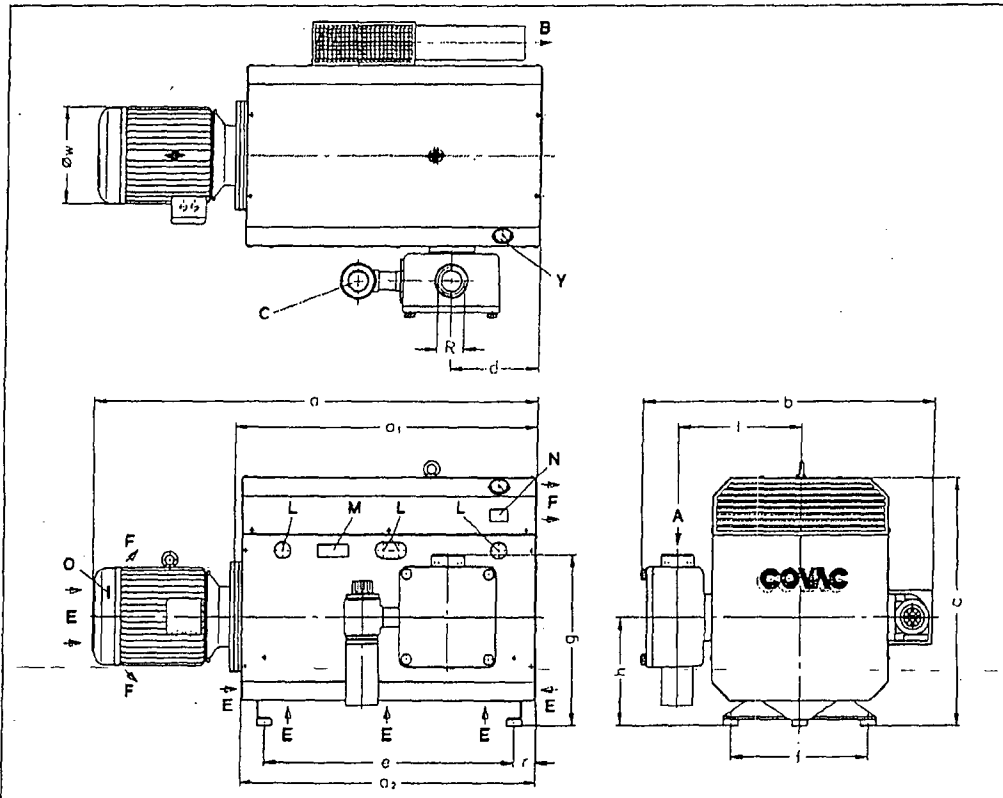
SMV

COVAC

SMV 160

SMV 300

SMV 500



A	Vacuum connection	Conexión vacío	Raccord du vide	Conexão do vácuo
B	Exhaust	Escape	Refoulement	Exaustão
C	Vacuum regulating valve	Válvula reguladora de vacío	Valve réglage vide	Válvula de regulação do vácuo
E	Cooling air entry	Entrada aire refrigerante	Entrée air refroidissement	Entrada do ar refrigerante
F	Cooling air exit	Salida aire refrigerante	Sortie air refroidissement	Saída do ar refrigerante
L	Greasing points	Puntos de engrase	Points de graissage	Pontos de lubrificação
M	Greasing label	Rótulo engrase	Etiquette graissage	Rótulo da lubrificação
N	Data plate	Placa lecha	Etiquette caractéristique	Placa da data
O	Rotation arrow	Dirección de rotación	Flèche sens rotation	Direção da rotação
Y	Vacuum gauge	Calibrador vacío	Vacuomètre	Calibrador do vácuo

SMV		160	300	500
[inches]	a	50 Hz 47.24	47.24	58.82
		60 Hz 47.24	48.30	63.47
	a ₁	50 Hz 31.30	31.30	38.46
		60 Hz 31.73	31.73	40.08
	a ₂	31.38	31.38	38.39
	b	31.69	31.69	37.91
	c	25.67	25.67	31.42
	d	9.41	9.41	11.50
	e	24.88	24.88	32.44
	f	14.25	14.25	19.61
	g	16.89	16.89	22.01
	h	11.22	11.22	13.78
	i	12.95	12.95	16.02
	r	4.06	4.06	2.80
	aw	50 Hz 9.69	9.69	12.28
		60 Hz 9.57	11.47	15.30
	R	2" NPT	2" NPT	3" NPT

DA 561

1.11.99

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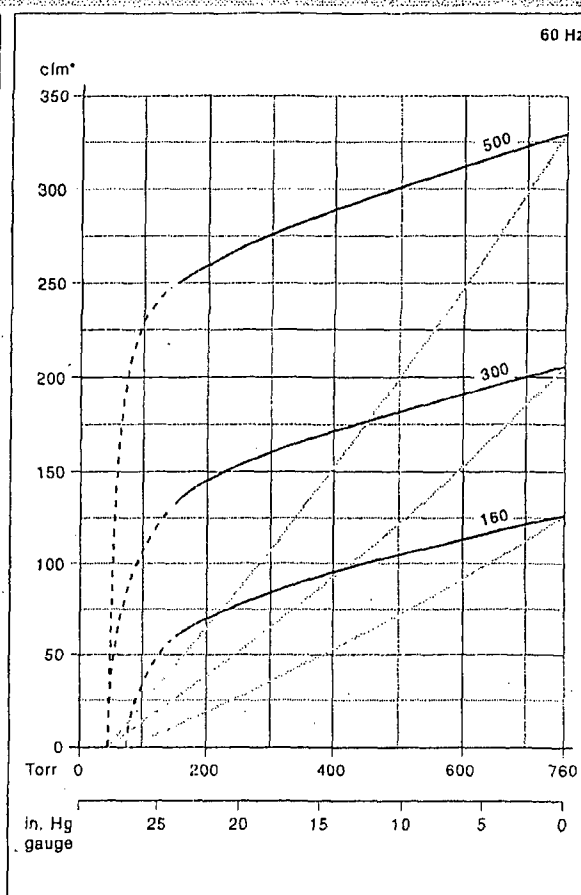
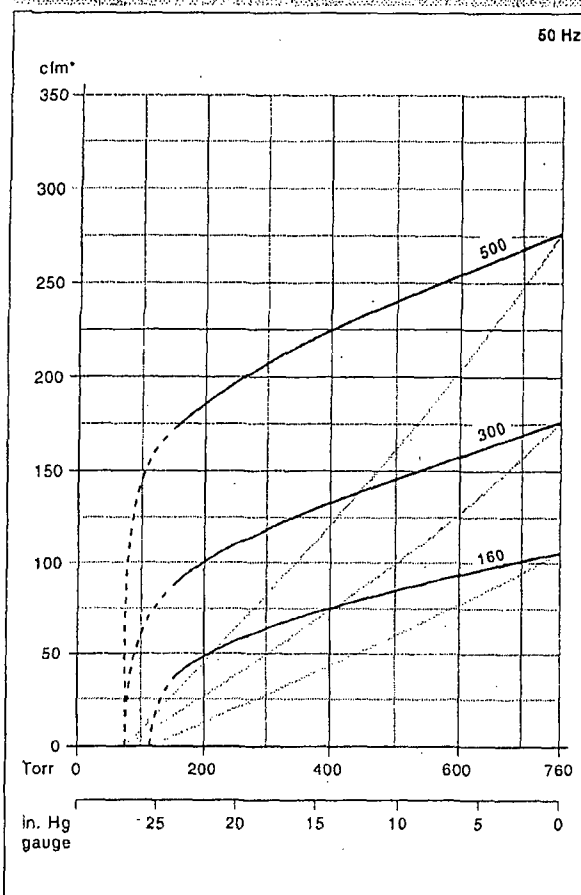
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SMV		160	300	500
cfm	50 Hz	106	177	277
	60 Hz	127	206	330
p		150 Torr - 24.0 in. Hg (gauge)		
3-	50 Hz	400/690V $\pm$ 10%		
	60 Hz	208-230/460V $\pm$ 10%		
kw	50 Hz	5.5	7.5	15.0
hp	60 Hz	10	15	25
A	50 Hz	11.5/6.6	18.5/10.7	30.4/17.5
	60 Hz	25-24/12	39-37/18.5	62/31
rpm	50 Hz	2920		
	60 Hz	3450		
dB(A)	50 Hz	78	78	82
	60 Hz	84	84	86
lbs	50 Hz	445	463	842
	60 Hz	466	551	978
ZRK		50 (03)	50 (03)	80 (03)
ZMS		#	#	#

cfm	Capacity	Capacidad	Débit	Capacidade
p	Ultimate vacuum for continuous operation	Vacío final permanente	Vide limite en fonctionnement continu	Vácuo final permanente
3-	Motor version	Versión motor	Exécution moteur	Versão do motor
kw / hp	Motor rating	Datos motor	Puissance moteur	Potência do motor
A	Full load amperage	Amperaje de plena carga	Intensité absorbée	Amperagem da carga total
rpm	Speed	Velocidad	Vitesse rotation	Velocidade
dB(A)	Average noise level	Nivel de ruido medio	Niveau sonore moyen	Nível médio de ruído
lbs	Weight	Peso	Poids	Peso
ZRK	Accessories	Accésorios	Accessoires	Acessórios
ZMS	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
	Motor starter	Arranque motor	Disjoncteur moteur	Arranque do motor



— Relates to pump inlet conditions./ se refiere a las condiciones de entrada de la bomba./ relatif à l'état régnant à l'aspiration./ refere-se a condições de entrada da bomba.

..... Relates to atmospheric conditions./ se refiere a las condiciones de atmosfera./ relatif à l'état régnant de l'atmosphère./ refere-se a condições do atmosfera.

Curves have a tolerance of $\pm 10\%$./ Las curvas tienen una tolerancia de $\pm 10\%$./ Les courbes ont une tolérance de $\pm 10\%$./ As curvas têm uma tolerância de $\pm 10\%$.

Technical information is subject to change without notice./ La información técnica está sujeta a cambios sin previo aviso./ Sous réserve de modification technique./ A informação técnica está sujeita a mudança sem aviso prévio.

The listed values for a, e w and full load amperage may vary because of different motor manufacturers./ Los valores listados para a, e w y para el amperaje de carga completa pueden variar para distintos fabricantes de motores./ Les dimensions a et e w ainsi que l'ampérage peuvent différer des données indiquées ci-dessus, selon le fabricant du moteur./ Como variam os fabricantes de motores, poderá haver variação dos valores indicados para a, e w e para uma amperagem da carga total.

on request

on pedido

sur demande

a pedido

