1R - 398

APPROVALS

YEAR(S):

2012-2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Monday, September 16, 2013 4:42 PM
To: Jeffrey P Dann (jpdann@paalp.com)
Cc: Leking, Geoffrey R, EMNRD
Subject: Recommendations Approval (2012) (1R-398) - Livingston Ridge to Hugh - P. Sims Release Site

RE: 2012 Annual Groundwater Monitoring Report for the Plains Marketing's Livingston Ridge to Hugh - P. Sims Release Site (1R-398)
Unit Letter I, Section 3, T21S, R37E, NMPM, Lea County, New Mexico
Recommendations Approval

Dear Mr. Dann:

The New Mexico Oil Conservation Division (OCD) has received the 2011 Annual Groundwater Monitoring Report for the Livingston Ridge to Hugh - P. Sims Release Site, dated March 22, 2013, and has conducted a review of the proposed recommendations. The proposed activities indicate that Plains Marketing (Plains) has met the requirements of 19.15.29 NMAC (Part 29; formerly, Rule 116) for a remediation plan. Therefore, the OCD hereby conditionally approves the recommendations as proposed for above-referenced site in accordance with 19.15.29 NMAC:

Plains must continue PSH recovery and purging groundwater from select wells at the site on at least a semi-monthly schedule to enhance recovery at the site.

Plains must submit to the OCD an annual report for 2013 by April 1, 2014.

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.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Thursday, January 24, 2013 4:13 PM
To: Jason Henry (JHenry@paalp.com)
Cc: Leking, Geoffrey R, EMNRD; Jeffrey P Dann (jpdann@paalp.com); 'bwbole@terracon.com'
Subject: Recommendations Approval (2011) (1R-398) - Plains Livingston Ridge to Hugh - P. Sims Release Site

RE: 2011 Annual Groundwater Monitoring Report for the Plains Marketing's Livingston Ridge to Hugh - P. Sims Release Site (1R-398)
Unit Letter I, Section 3, T21S, R37E, NMPM, Lea County, New Mexico
Recommendations Approval

Dear Mr. Henry:

The New Mexico Oil Conservation Division (OCD) has received the 2011 Annual Groundwater Monitoring Report for the Livingston Ridge to Hugh - P. Sims Release Site, dated June 1, 2012, and has conducted a review of the proposed recommendations. The proposed activities indicate that Plains Marketing (Plains) has met the requirements of 19.15.29 NMAC (Part 29; formerly, Rule 116) for a remediation plan. Therefore, the OCD hereby conditionally approves the recommendations as proposed for above-referenced site in accordance with 19.15.29 NMAC:

Plains must continue PSH recovery and purging groundwater from select wells at the site on a semi-weekly schedule to enhance recovery at the site.

Plains must submit to the OCD an annual report for 2012 by April 1, 2013.

Regarding Polynuclear Aromatic Hydrocarbons (PAHs), Plains must:

- Sample for PAHs on an annual basis at each well (i.e., each well without NAPL and groundwater concentrations above any respective WQCC standard for BTEX) and at each well where NAPL has been removed and NAPL is no longer present in the well;

- Continue to sample each well for at least two consecutive years until each of the PAHs are at a concentration of 0.001 mg/L or less (and concentrations are the same or decreasing) for PAHs that do not have WQCC standards [and at or below WQCC standard if applicable (and concentrations are the same or decreasing)].

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.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

P.S.: Please keep in mind that in addition to the "Laboratory Data Sheets" in the Report, the following compounds must not be present (i.e., at 0.001 mg/L or less - *not 0.050 mg/L or less as indicated in Laboratory Data Sheets*) in groundwater:

(a) anthracene
(b) 3,4-benzofluoranthene *{a.k.a.: benzo[b]fluoranthene}*
(c) benzo (k) fluoranthene
(d) fluoranthene
(e) fluorene
(f) phenanthrene
(g) pyrene

P.P.S.: Also, please keep in mind that the WQCC standard for benzo(a)pyrene is 0.0007 mg/L; therefore, the total of the reporting limit may not exceed 0.0007 mg/L (*not 0.050 mg/L as indicated in Laboratory Data Sheets*). In addition, the WQCC standard for "PAHs: total naphthalene plus mononethylnaphthalenes" is 0.030 mg/L; therefore, the total of the combined reporting limits (for the three compounds) may not exceed 0.030 mg/L (*not 0.125 mg/L as indicated in Laboratory Data Sheets*).

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, February 08, 2012 3:38 PM
To: 'Jason Henry'
Cc: Leking, Geoffrey R, EMNRD; 'Jeffrey P Dann'
Subject: 12-hour Mobile Dual Phase Extraction (MDPE) Event Approval (1R-398) - Plains Livingston Ridge to Hugh P. Sims Release Site

RE: 12-hour Mobile Dual Phase Extraction (MDPE) Event Approval
for the Plains Marketing, L.P.
Livingston Ridge to Hugh P. Sims Release Site (1R-398)
Unit Letter I of Section 3, T21S, R37E, 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 19.15.29 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 2:38 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:

•Livingston Ridge to Hugh P. Sims (1R-0398)

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 1410ºf.

Respectfully,

Simon I. Walshe

Talon/LPE

MDPE & Waste Program Manager

Data

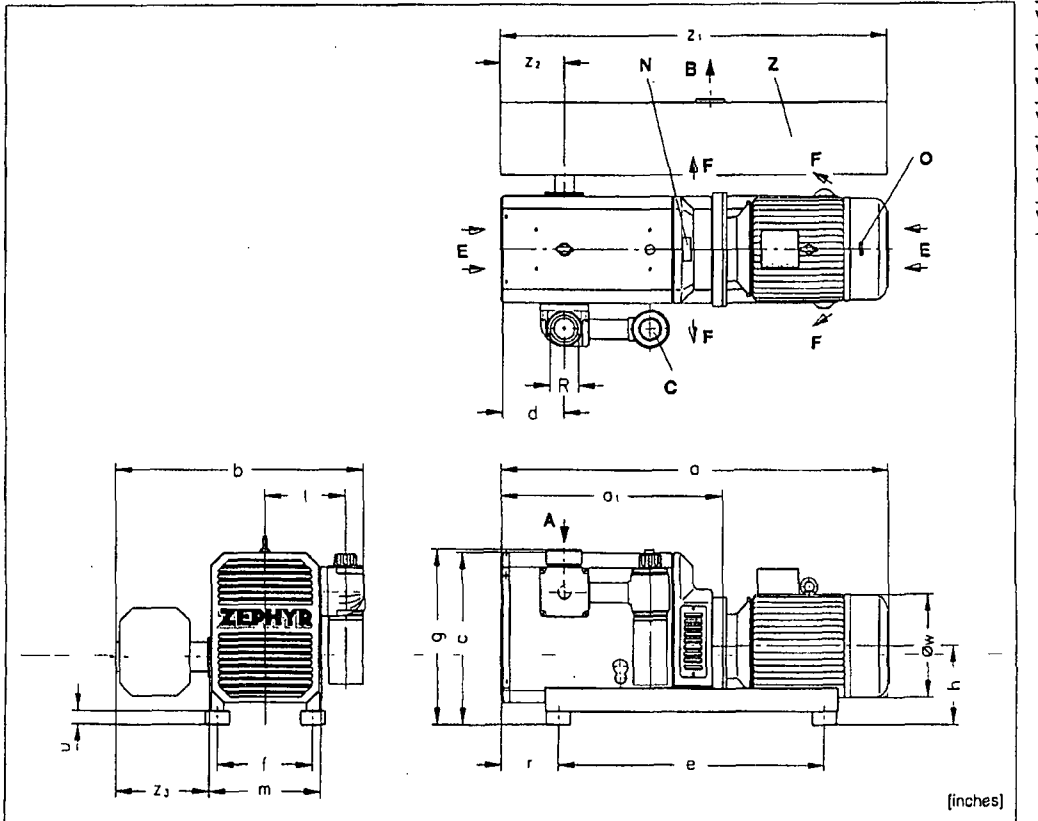
Rietschle Thomas
A Thomas Industries Company

Vacuum pumps · Bombas de vacío · Pompes à vide · Bombas de vácuo

VLR

ZEPHYR

- VLR 60
- VLR 100
- VLR 150
- VLR 250
- VLR 300
- VLR 400
- VLR 500



[inches]

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 fecha	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
	a_1	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
	l		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
	øw	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
	z_1		10.83	25.59	25.59	39.37	39.37	39.37	47.24
	z_2 / z_3		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	1½" NPT	1½" NPT	2" NPT	2" NPT	3" NPT	3" NPT

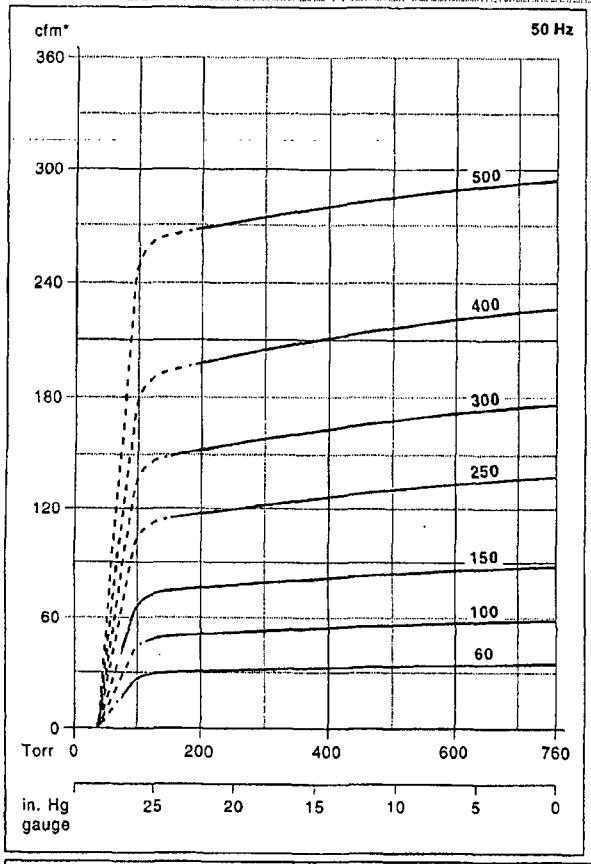
DA 880

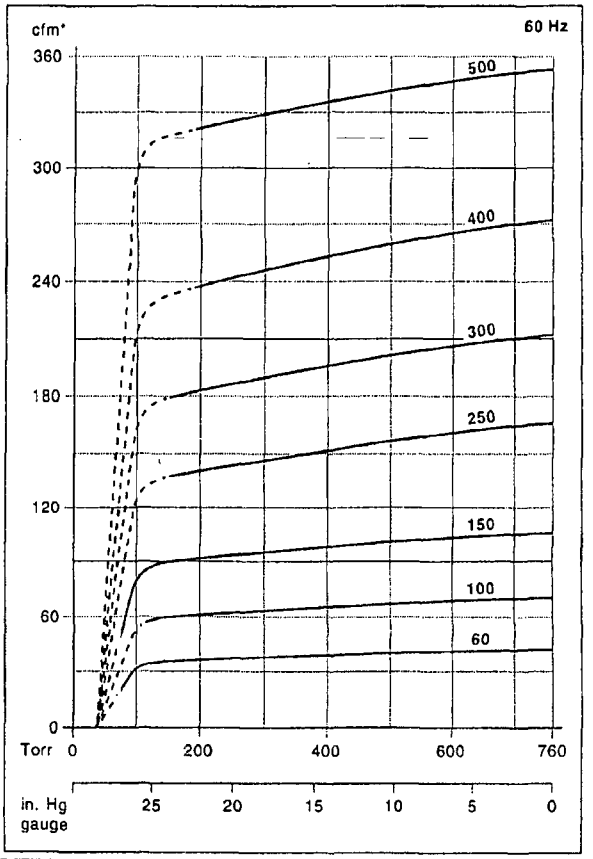
1.2.2004

Rietschle Thomas
Hanover Inc.
7222 Parkway Drive
HANOVER, MD 21076
USA
☎ 410-712-4100
Fax 410-712-4148
E-Mail:
sales@vacuumpumps.com
http://
www.vacuumpumps.com

VLR		60	100	150	250	300	400	500
cfm	50 Hz	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~	50 Hz	230/400V ± 10%					400/690V ± 10%	
	60 Hz	208-230/460V ± 10%						
kw	50 Hz	1.1	2.2	3.0	4.0	5.5	7.5	9.0
hp	60 Hz	2.0	3.0	5.0	7.5	7.5	10	15
A	50 Hz	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
	60 Hz	#	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
rpm	50 Hz	2850						
	60 Hz	3450						
dB(A)	50 Hz	#	78	#	78	79	82	82
	60 Hz	#	82	#	82	83	84	84
lbs	50 Hz	112	220	276	386	496	551	606
	60 Hz	#	237	304	430	496	565	639
qt		0.4	0.5	0.6	0.9	0.9	0.9	0.9
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 maxi.	Vácuo final max.
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
	Accessories	Accesorios	Accessoires	Acessórios
ZRK	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
ZVF	*Vacuum tight suction filter*	*Filtro succión hermético*	*Filtre d'aspiration étanche*	Filtro de sucção à prova de vácuo
ZMS	Motor starter	Arranque motor	Disjoncteur moteur	Arranque do motor
ZAD	Soft starter	Soft starter	Démarrage progressif	Soft starter
ZBZ	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 règnant à l'aspiration./ refere-se a condições de entrada da bomba.
Curves and tables refer to vacuum pump at normal operating temperature./ Las curves 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, ø w and full load amperage may vary because of different motor manufacturers./ Los valores listados para a, ø w y para el amperaje de carga completa pueden variar para distintos fabricantes de motores./ Les dimensions a et ø 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, ø w e para uma amperagem da carga total.
\# on request # on pedido # sur demande # a pedido

Data

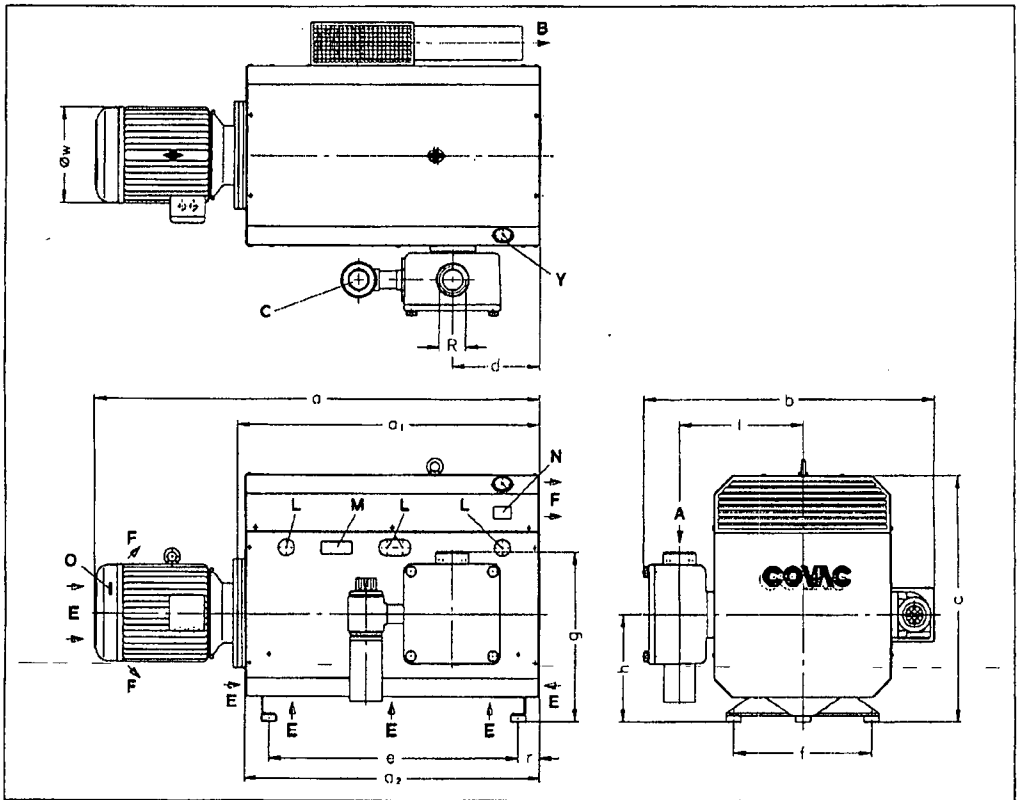
Rietschle Thomas
A Thomas Industries Company

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 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
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 fecha	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
	l		12.95	12.95	16.02
	r		4.06	4.06	2.80
	øw	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

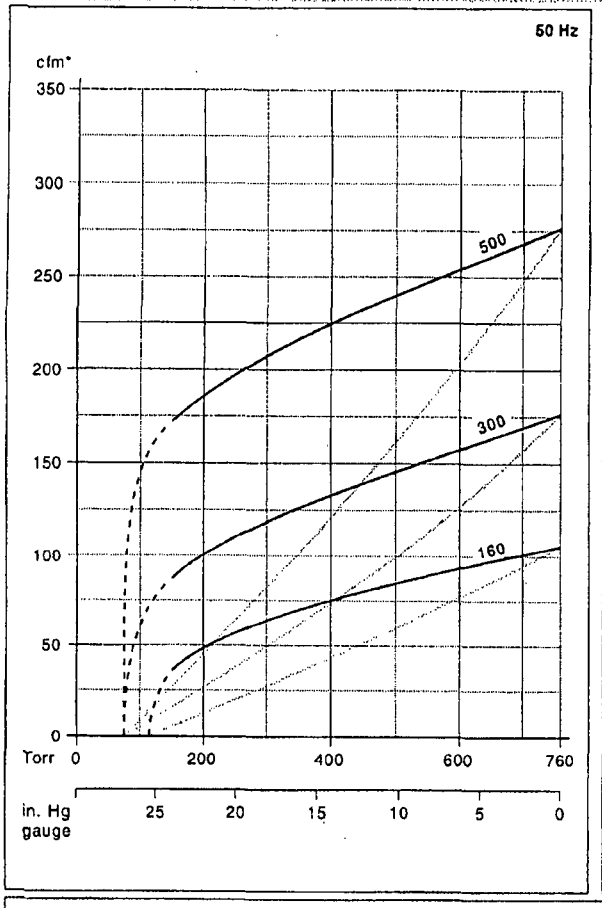
1.11.99

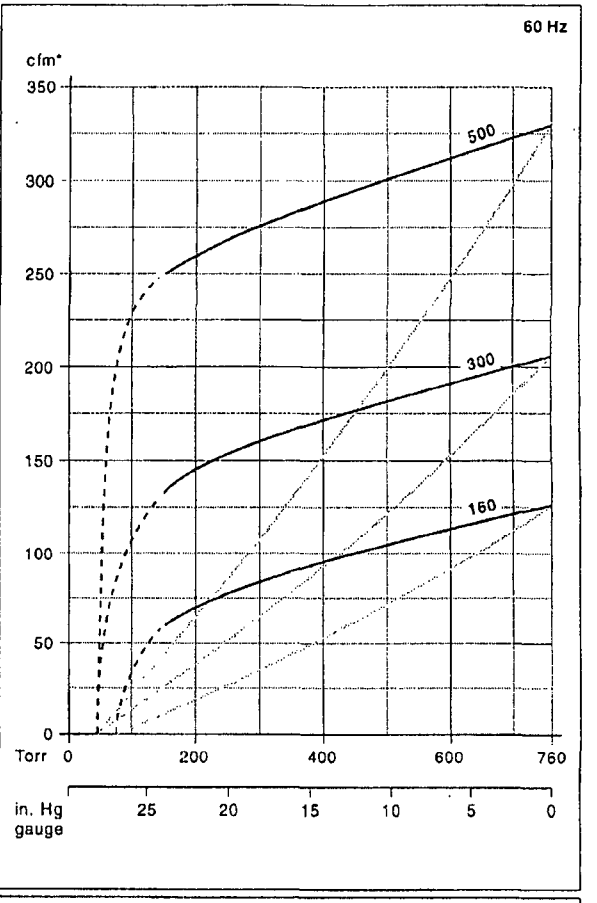
Rietschle Thomas Hanover Inc.
7222 Parkway Drive
HANOVER, MD 21076
USA
☎ 410-712-4100
Fax 410-712-4148
E-Mail: sales@vacuumpumps.com
http://www.vacuumpumps.com

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 ± 10%		
	60 Hz	208-230/460V ± 10%		230/460V ± 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	Nivel médio de ruído
lbs	Weight	Peso	Poids	Peso
	Accessories	Accesorios	Accessoires	Acessórios
ZRK	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
ZMS	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 règnant 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 règnant de l'atmosphère./ refere-se a condições de atmosfera.

Curves have a tolerance of ± 10 %./ Las curvas tienen una tolerancia de ± 10 %./ Les courbes ont une tolérance de ± 10 %./ As curvas têm uma tolerância de ± 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, ø w and full load amperage may vary because of different motor manufacturers./ Los valores listados para a, ø w y para el amperaje de carga completa pueden variar para distintos fabricantes de motores./ Les dimensions a et ø 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, ø w e para uma amperagem da carga total.

on request # on pedido # sur demande # a pedido