

**C-VLR****zephyr****Elmo
Rietschle**

C-VLR 60 | C-VLR 100 | C-VLR 150 | C-VLR 251

**High efficiency, dry and contactless
compression claw vacuum pump
with NEMA Premium motor**

Capacities ranging from 35.3 to 150 cfm.

The ultimate vacuum for continuous operation
is 24, 25.5 or 27 in. HgV.

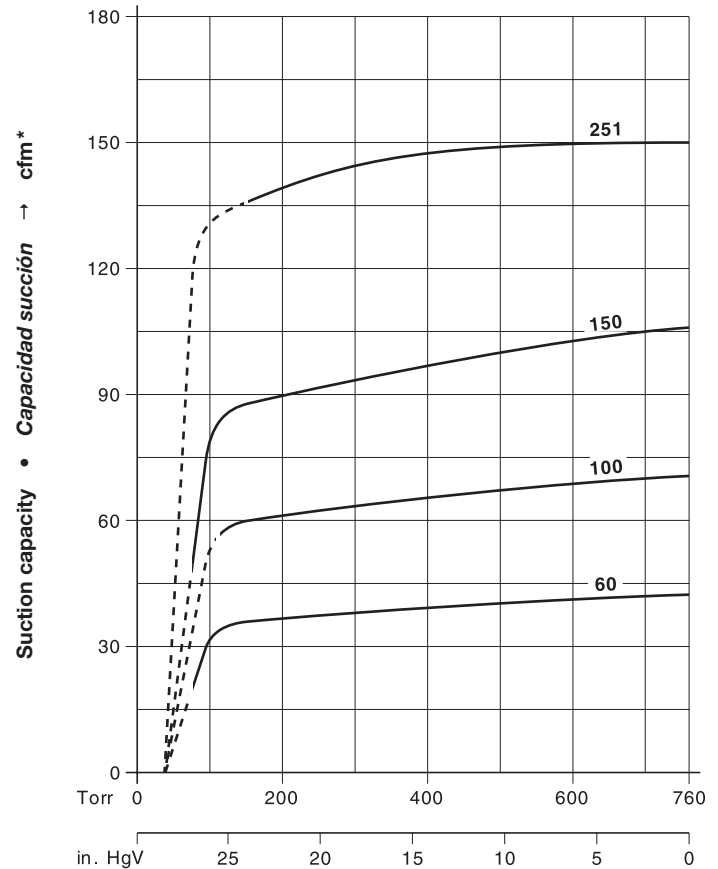
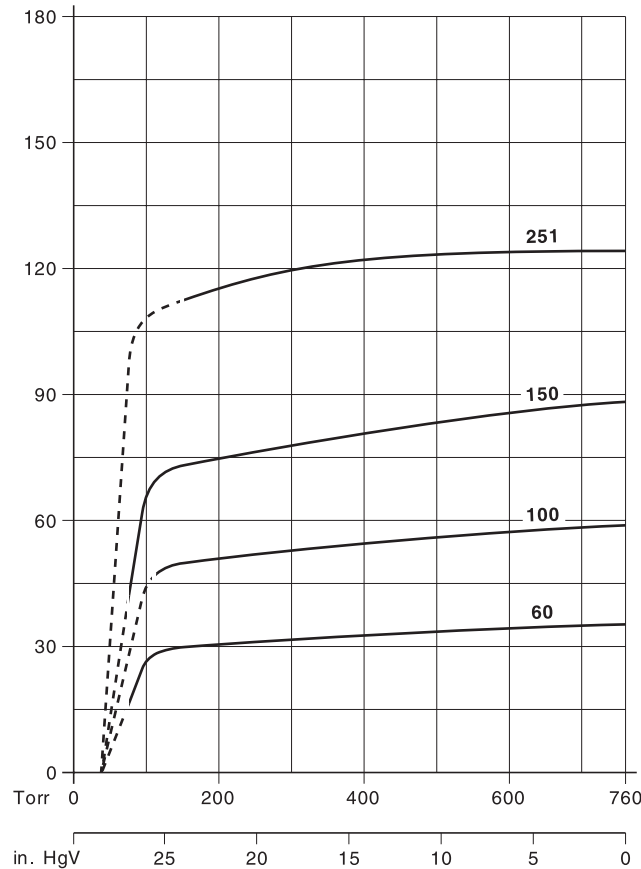
Low maintenance. Air cooled.

Suitable for multiple applications.

**Bomba de vacío de garras altamente
eficiente, de compactación en seco y sin
contacto con motor NEMA Premium**
Capacidades de 35.3 a 150 cfm.El vacío absoluto para funcionamiento conti-
nuo es de 24, 25.5 o 27 in. HgV.

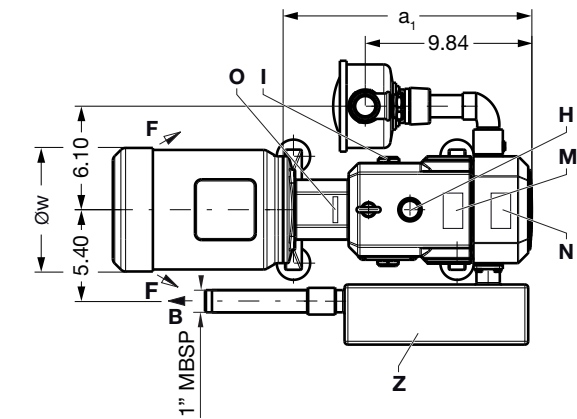
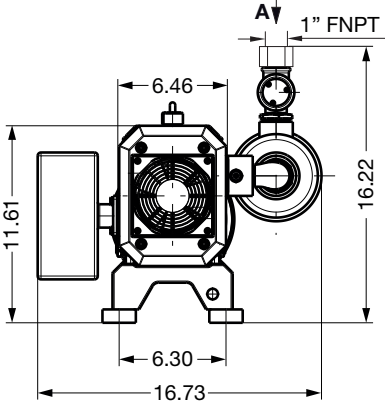
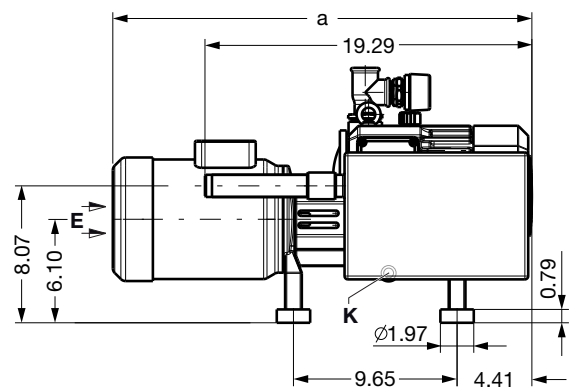
Poco mantenimient. Aire refrigerado.

Numerosas posibilidades de uso.

Performance curves • Curvas de desempeño 50 Hz**60 Hz****Vacuum level • Nivel de vacío → Torr / in. HgV**

C-VLR			60	100	150	251
Suction capacity	cfm*	50 Hz	35.3	58.9	88.3	124.2
Capacidad succión		60 Hz	42.4	70.6	106	150.1
Ultimate vacuum continuous operation			75 Torr - 27.0 in. HgV	113 Torr - 25.5 in. HgV	75 Torr - 27.0 in. HgV	150 Torr - 24.0 in. HgV
Rated voltage	3~	50 Hz	230 / 400 V ± 10 %			
Tensión asignada		60 Hz	208 - 230 / 460 V ± 10 %			
Motor rating	kw	50 Hz	1.1	2.2	3.0	4.0
Potencia requerida		60 Hz	1.5	3.0	5.0	7.5
Full load amperage	A	50 Hz	5.0 / 2.25	7.2 / 4.18	10.0 / 5.75	12.8 / 7.4
Amperaje a carga plena		60 Hz	5.73 - 5.18 / 2.59	7.9 - 7.4 / 3.7	12 - 11 / 5.5	19 - 18 / 9
Speed	rpm	50 Hz	2850			
Velocidad		60 Hz	3450			
Average noise level	dB(A)	50 Hz	78	78	79	76
Nivel promedio de ruido		60 Hz	80	82	82	78
Weight	lbs	50 Hz	110	239	273	302
Peso		60 Hz	136	254	309	327
Oil capacity (gear)	qt		0.4	0.55	0.6	0.6
Capacidad de aceite (engranaje)						

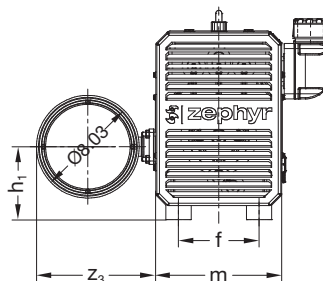
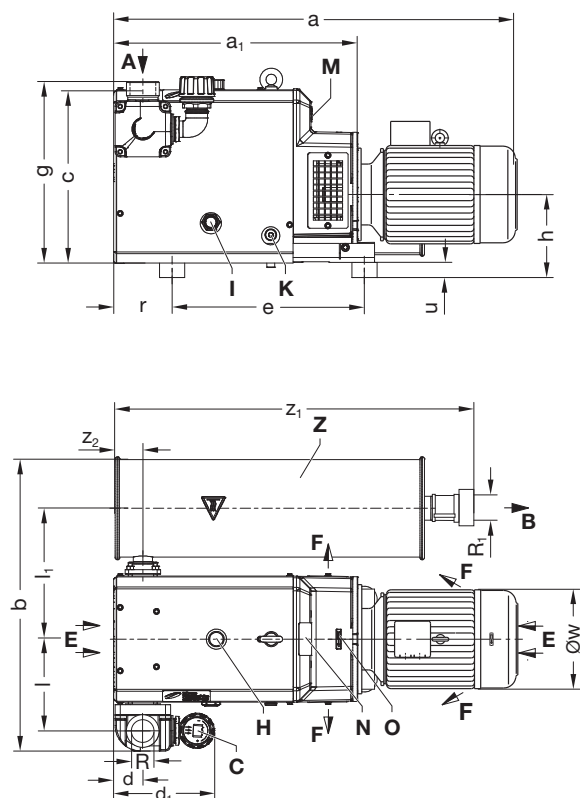
VLR 60



A	Vacuum connection • Conexión de vacío
B	Exhaust • Escape
E	Cooling air entry • Entrada aire refrigerante
F	Cooling air exit • Salida aire refrigerante
I	Oil sight glass • Mirilla de aceite
K	Oil drain port • Punto de drenaje del aceite
M	Oil Type Plate • Placa de aceite
N	Data plate • Placa de la unidad
O	Rotation arrow • Dirección de rotación
Z	Exhaust silencer • Silenciador escape

C-VLR		60
a	50 Hz	25.43
	60 Hz	24.44
a ₁	50 Hz	14.45
	60 Hz	14.45
øw	50 Hz	6.93
	60 Hz	7.04

VLR 100 / 150 / 251



A	Vacuum connection • Conexión de vacío
B	Exhaust • Escape
C	Vacuum regulating valve* • Válvula reguladora de vacío*
E	Cooling air entry • Entrada aire refrigerante
F	Cooling air exit • Salida aire refrigerante
I	Oil sight glass • Mirilla de aceite
K	Oil drain port • Punto de drenaje del aceite
M	Oil Type Plate • Placa de aceite
N	Data plate • Placa de la unidad
O	Rotation arrow • Dirección de rotación
Z	Exhaust silencer • Silenciador escape

* only C-VLR 100 / 150 • solo C-VLR 100 / 150

C-VLR		100	150	251
a	50 Hz	27.36	31.26	34.06
	60 Hz	29.71	35.92	40.14
a ₁	50 Hz	15.43	18.70	20.94
	60 Hz	17.29	20.62	24.63
b		23.07	22.99	25.00
c		14.17	14.76	14.76
d		3.60	2.28	2.56
e		17.32	15.04	15.04
f		8.66	6.30	6.30
g		14.53	15.31	17.09
h		5.91	6.50	6.50
h ₁		4.53	5.71	5.91

C-VLR		100	150	251
l		7.20	7.17	7.68
l ₁		10.28	10.24	11.02
m		9.84	9.84	10.16
r		2.99	4.57	6.81
u		0.59	1.18	1.18
øw	50 Hz	6.14	7.87	8.70
	60 Hz	7.19	8.50	10.28
z ₁		28.41	28.41	35.83
z ₂		2.17	2.17	6.30
z ₃		9.37	9.33	10.24
R / R ₁		1 1/2" NPT	1 1/2" NPT	2" NPT

Accessories • Accesorios

C-VLR		60	100	150	251
Non return valve Válvula retención	ZRK	25 (03)	40 (03)	40 (03)	50 (03)
Vacuum tight suction filter Filtro de succión estanco al vacío	ZVF	50 Hz 60 Hz	32 (54) 40 (53)	40 (53) 40 (53)	50 (53) 50 (53)
Motor protection switch • El guardamotor Sound box • Caja de sonido	ZMS ZBZ	on request • on pedido			

cfm* Relates to pump inlet conditions • se refiere a las condiciones de entrada de la bomba

Curves, table contents (tolerance ±10%) refer to vacuum pump at normal operating temperature. • Las curvas, las tablas (tolerancia ±10%) hacen referencia a una bomba de vacío a temperatura normal de funcionamiento.

The motor dimensions as well as the full load amperage may vary because of different motor manufacturers. • Las dimensiones de motor pueden variar para distintos fabricantes de motores.

Technical information is subject to change without notice! • La información técnica está sujeta a cambios sin previo aviso!

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