

USA

# Vibrator Motors

>> Specifications and Dimensions

E

# Motovibradores

>> Especificaciones y Dimensiones

F

# Moteurs vibrants

>> Spécifications et dimensions

60 Hz

## Explosion proof



Vimarc®

# >> Specifications and Dimensions

## 4 pole vibrator motors (1,750 rpm) | Motores de vibración de 4 polos (1,750 rpm) | moteurs vibrants 4 pôle (1,750 rpm)

Working Moment Torque Couple	Centrifugal Force Fuerza Centrifuga Force centrifuge	Horse Power Caballos de Fuerza Cheval-vapeur	Power Consumption Potencia Puissance absorbée	Nominal Current at 460V Corrente Nominal a 460V Courant nominal à 460V	Power Factor Factor de Potencia Facteur de puissance	Starting Current ratio Corrente de Partida Demarrage direct	Type		Dimension Sketch Bosquejo Dimension Plan dimensions	Dimensions Dimensiones Cotes inches														Weight Peso Poids
in-lb	Pounds	HP	kW	A	cos ø	IA/IN				#	A	B	C	D	E	F	ø G	H	J	K	M	N	lbs.	
26	1133	0.56	0.42	1.07	0.69	6.8	ADP	30-4	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	95		
39	1700	0.56	0.42	1.07	0.69	6.8	ADP	45-4	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	97		
52	2264	0.56	0.42	1.07	0.69	6.8	BDP	60-4	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	106		
78	3397	0.56	0.42	1.07	0.69	6.8	BDP	90-4	1	16.38	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	115		
108	4718	0.56	0.42	1.07	0.69	6.8	BDP	126-4	1	19.53	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	130		
130	5661	0.56	0.42	1.07	0.69	6.8	BDP	151-4	1	19.53	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	137		
130	5661	1.29	0.96	1.91	0.79	8.3	CDP	150-4	2	18.23	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38	207		
130	5661	1.29	0.96	1.91	0.79	8.3	CDP	151-4	2	20.20	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38	207		
174	7551	1.29	0.96	1.91	0.79	8.3	CDP	201-4	2	20.20	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38	212		
130	5661	2.30	1.70	2.95	0.84	8.5	DDP	151-4	2	20.00	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80	267		
174	7551	2.30	1.70	2.95	0.84	8.5	DDP	201-4	2	23.15	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80	273		
260	11325	2.30	1.70	2.95	0.84	8.5	DDP	301-4	2	23.15	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80	291		
417	18120	4.80	3.60	6.40	0.83	9.1	GDP	480-4	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25	562		

## 4 pole vibrator motors (1,750 rpm) | Motores de vibración de 4 polos (1,750 rpm) | moteurs vibrants 4 pôle (1,750 rpm)

in-lb	Pounds	HP	kW	A	cos ø	IA/IN		#	A	B	C	D	E	F	ø G	H	J	K	M	N		lbs.
52	2264	0.56	0.42	1.07	0.69	6.8	BDP 62-4	1	15.12	7.56	4.72	6.69	8.35	8.82	0.67	4.41	10.91	0.67	2.40	8.98		106
108	4718	0.56	0.42	1.07	0.69	6.8	BDP 128-4	1	19.53	7.56	5.51	7.48	8.35	8.98	0.87	4.69	11.18	0.98	2.68	9.25		130
130	5661	1.29	0.96	1.91	0.79	8.3	CDP 154-4	1	20.20	9.84	6.10	8.86	9.92	10.51	0.87	5.59	12.80	0.94	2.76	11.38		207

On request Vimarc motors type B and C are available with Italvibras/OLI foot pattern. - Bajo pedido, Vimarc tipo de motores B y C están disponibles con el modelo del pie Italvibras/OLI. - Sur demande, les moteurs Vimarc types B et C sont disponibles avec les dimensions en pied d'Italvibras/Oli.

## 6 pole vibrator motors (1,175 rpm) | Motores de vibración de 6 polos (1,175 rpm) | moteurs vibrants 6 pôle (1,175 rpm)

in-lb	Pounds	HP	kW	A	cos ø	IA/IN		#	A	B	C	D	E	F	ø G	H	J	K	M	N		lbs.
39	765	0.62	0.46	1.18	0.78	2.7	ADP 45-6	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98		97
52	1021	0.62	0.46	1.18	0.78	2.7	BDP 60-6	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98		106
78	1532	0.62	0.46	1.18	0.78	2.7	BDP 90-6	1	16.38	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98		115
130	2553	0.62	0.46	1.18	0.78	2.7	BDP 150-6	1	19.53	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98		137
174	3404	0.62	0.46	1.18	0.78	2.7	BDP 201-6	1	22.44	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98		143
130	2553	0.74	0.55	1.53	0.61	6.8	CDP 150-6	2	18.23	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38		209
174	3404	0.74	0.55	1.53	0.61	6.8	CDP 200-6	2	18.23	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38		214
260	5106	0.74	0.55	1.53	0.61	6.8	CDP 300-6	2	20.20	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38		240
260	5106	0.74	0.55	1.53	0.61	6.8	CDP 301-6	2	20.20	9.84	3.27	9.02	9.92	10.51	0.83	5.59	13.90	0.94	2.76	11.38		240
260	5106	2.30	1.70	3.30	0.78	5.9	DDP 301-6	2	23.15	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80		291
434	8510	2.30	1.70	3.30	0.78	5.9	DDP 501-6	2	24.88	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80		342
521	10212	2.30	1.70	3.30	0.78	5.9	DDP 600-6	2	24.88	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80		366
608	11914	4.00	3.00	5.60	0.75	10.6	FDP 700-6	2	27.52	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25		567
694	13616	4.00	3.00	5.60	0.75	10.6	FDP 800-6	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25		589
694	13614	5.00	3.70	7.20	0.76	10.7	GDP 800-6	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25		613
868	17018	5.00	3.70	7.20	0.76	10.7	GDP 1000-6	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25		648

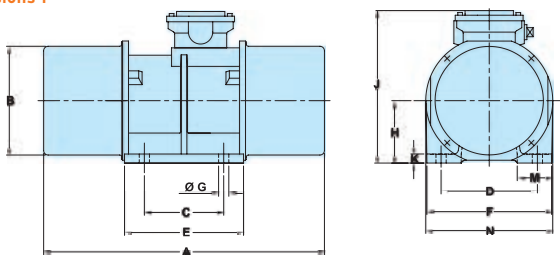
# 8 pole vibrator motors (855 rpm) | Motores de vibración de 8 polos (855 rpm) | moteurs vibrants 8 pôle (855 rpm)

Working Moment Torque Couple	Centrifugal Force Fuerza Centrifuga Force centrifuge	Horse Power Caballo de Fuerza Cheval-vapeur	Power Consumption Potência Puissance absorbée	Nominal Current at 460V Corrente Nominal a 460 V Courant nominal à 460V	Power Factor Factor de Potência Facteur de puissance	Starting Current ratio Corrente de Partida Demarrage direct	Type	Dimension Sketch Bosquejo Dimension Plan dimensions	Dimensions Dimensiones Cotes inches											Weight Peso Poids	
									in-lb	Pounds	HP	kW	A	cos ø	IA/IN	#	A	B	C		D
52	540	0.54	0.40	1.32	0.64	9.1	BDP 60-8	1	15.12	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	106
130	1351	0.54	0.40	1.32	0.64	9.1	BDP 150-8	1	19.53	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	137
174	1801	0.54	0.40	1.32	0.64	9.1	BDP 200-8	1	22.44	7.56	5.51	6.69	8.35	8.82	0.71	4.41	10.91	0.67	2.40	8.98	143
260	2703	1.30	1.00	2.55	0.71	3.9	CDP 300-8	2	20.20	9.84	3.27	9.02	9.92	10.51	0.83	5.59	12.80	0.94	2.76	11.38	247
434	4506	2.00	1.50	3.40	0.78	4.5	DDP 501-8	2	24.88	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80	348
521	5406	2.00	1.50	3.40	0.78	4.5	DDP 600-8	2	24.88	11.22	4.13	9.76	11.69	11.50	0.83	5.94	13.90	1.10	2.76	12.80	373
694	7208	4.00	3.00	5.50	0.81	9.2	FDP 800-8	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25	589
868	9010	4.00	3.00	5.50	0.81	9.2	FDP 1000-8	2	30.98	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25	606
1128	11715	5.00	3.70	7.80	0.72	7.9	GDP 1300-8	2	34.02	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25	686
1302	13517	5.00	3.70	7.80	0.72	7.9	GDP 1500-8	2	36.54	12.60	4.63	11.02	13.46	12.99	1.02	7.05	15.71	1.18	3.31	14.25	785

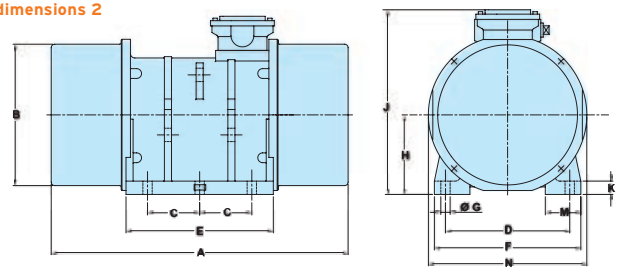
\*Working Moment = 2 x Static Moment; Momento de trabajo = 2 x momento estático; couple de travail = 2 x moment statique

\*\* 1 N = 0.224809 lbs; 1 Pound = 4.44822 N

Dimension sketch 1  
Bosquejo Dimensión 1  
Plan dimensions 1



Dimension sketch 2  
Bosquejo Dimensión 2  
Plan dimensions 2



schematic diagram - Representación esquemática - diagramme schématique

## Standard design

- 265/460 V, 60 Hz
- Protection class IP 66 to DIN 40050
- Insulation class F
- Tropicalized
- Paint finish: 2K-PU RAL
- Stainless steel end covers fitted to all motors up to type FDP 700 (remaining types on request).
- Lubrication: FAG Arcanol VIB3
- $\frac{3}{4}$  NPT thread for cable gland

## Following options on request

- Alternative voltages

## Installation, operating and re-lubrication

Please use our Installation, Operation and Maintenance Manual.

## The Motors are delivered without a cable gland.

For using as Atex (Zone 21) motor, an adapter is needed to convert the  $\frac{3}{4}$  NPT thread into M25. Adapter and M25 Exd cable gland are available at Vimarc Inc.

## Diseño estándar

- 265/460 V, 60 Hz
- Clase de protección IP 66 según DIN 40050
- Aislamiento clase F
- Tropicalizado
- Acabado de Pintura: 2K-PU RAL
- Fin de acero inoxidable cubiertas disponible para todo los motores Hasta el tipo FDP 700 (restantes tipos bajo demanda).
- Lubricación: FAG Arcanol VIB3
- $\frac{3}{4}$  NPT para la entrada de cables

## Siguientes opciones bajo pedido

- Voltajes Alternas

## Instalación, Operación y Re-Lubricación

Utilice nuestro libro de instalación, servicio y mantenimiento.

## Los motores se entregan sin pasacables.

Para poder utilizar como ATEX (zona 21) del motor, se necesita un adaptador para convertir la rosca NPT  $\frac{3}{4}$  en M25. Adaptador y pasacables M25 Exd están disponibles en Vimarc Inc.

## Design standard

- 265/460 V, 60 Hz
- Protection classe IP 66 selon DIN 40050
- Isolation classe F
- Apte aux tropiques
- Peinture : 2K-PU RAL
- Capots inox pour tous les moteurs jusqu'au type FDP 700 (autres types sur demande).
- Lubrification : FAG Arcanol VIB3
- Filetage  $\frac{3}{4}$  NPT pour presse-étoupe

## Options suivantes sur demande

- Voltages alternatifs

## Installation, opération et ré-graissage

Veuillez vous référer à notre Guide de Montage, Opération et Maintenance.

## Les moteurs sont livrés sans presse-étoupe.

Pour utilisation comme moteur ATEX (zone 21), vous avez besoin d'un adaptateur pour la conversion du presse-étoupe  $\frac{3}{4}$  NPT en M25. Adaptateur et presse-étoupe sont disponibles chez Vimarc Inc.



Regulation CAN/CSA  
File no LR55503  
Class I, Groups C and D;  
Class II, Groups E, F and G  
Temperature class: T4 (275 °F)



Certificate: OM5A8.AE  
Class I, Division 1, Groups C and D  
Class II, Division 1, Groups E, F and G  
Temperature class: T4 (275 °F)



Certificate: DEKRA 12ATEX1098 X  
II 2 G Ex d II B T4  
II 2 D Ex tb IIIC IP66 T 248 °F



DEKRA IECEx DEK 12.0064X  
Ex d IIB T4 Gb  
Ex tb IIIC IP66 T248 °F Db

For ambient temperature 104 °F and 122 °F

Para temperatura ambiente 104 °F y 122 °F

Pour températures ambiantes de 104 °F et 122 °F