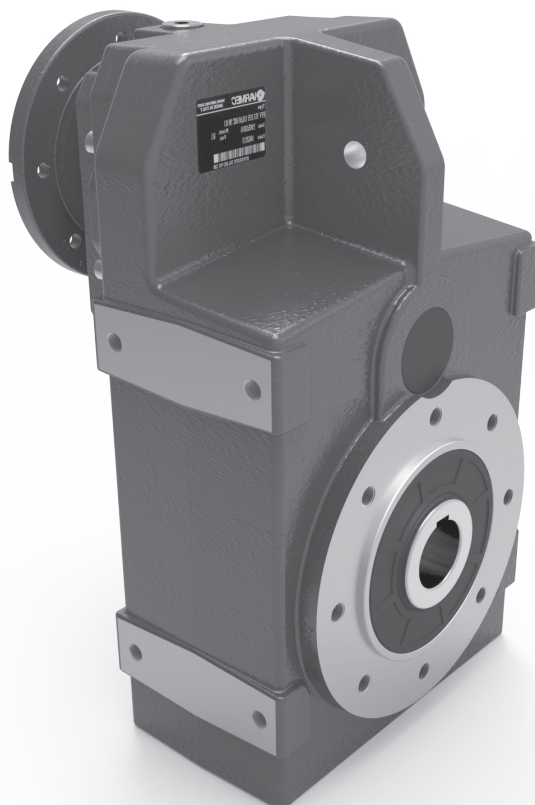


E	Shaft-mountes reducers RFV	<i>Reductores pendulares</i> RFV	E1
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INDEX	INDICE
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Shaft-mounted reducers RFV

5.1 Characteristics

VARMEC reducers and gearmotors have been designed entirely with the aid of technical computer programs. Every single component has been checked and designed taking into account the maximum load applicable to the reducer according to the AGMA 2001-B88 regulation, in compliance with the modularity characteristics.

Casings and flanges are made of unpainted aluminium in sizes 252-253, 302-303, while the casings and flanges made of high resistance cast-iron are painted in the other sizes. The rounded shape of the casings gives the reducers excellent rigidity and solidity and allows them to be used in all possible assembly positions.

The various components are processed on modern CNC machinery, ensuring maximum constructive precision.

All gears are made of alloyed, hardened and tempered steel with subsequent grinding on the sides of the teeth to improve performance and silent operation even under load. Approximate maximum sound level values 75dB.

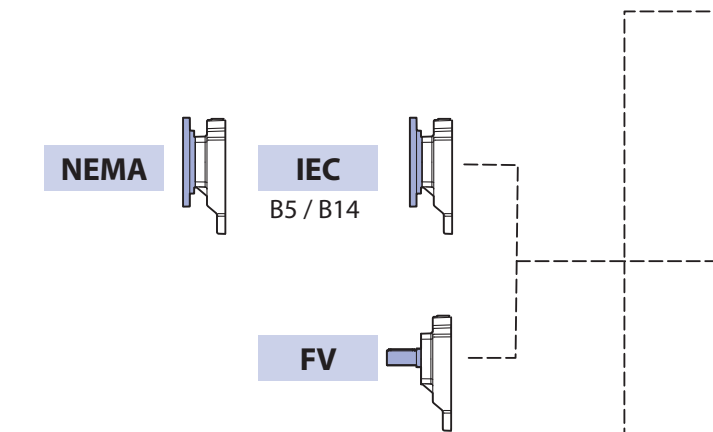
The input shaft is made of alloyed, cemented and hardened steel; the output shaft is made of reclaimed steel.

The reducers are painted with a polyester resin-based thermosetting powder, modified with epoxy resin, in RAL5010 Textured Blue.

More information on the paint specifications can be requested from our Technical Department.

5.2 Construction shapes

RFV ...



H Keyed hollow output shaft
Eje de salida hueco con llave

S Hollow output shaft and shrink disc
Eje de salida hueco y disco de contracción

R Solid output shaft
Eje de salida sólido

Reductores pendulares RFV

5.1 Características

Los reductores y los motorreductores VARMEC se han diseñado por dentro con programas técnicos basados en programas de ordenador.

Cada componente se ha comprobado y diseñado considerando la carga máxima aplicable al reductor, según la normativa AGMA 2001-B88 respetando las características de modularidad.

Cajas y bridas de aluminio sin pintar de tamaño 252-253, 302-303, cajas y bridas de fundición de alta resistencia pintadas en otros tamaños. La forma monolítica de las cajas aporta una excelente rigidez a los reductores y un alto nivel de compacidad y permite que se usen en todas las posiciones posibles de montaje.

Las elaboraciones de los diferentes componentes se producen en centros de mecanizado modernos, con control numérico, que permiten la máxima precisión de fabricación.

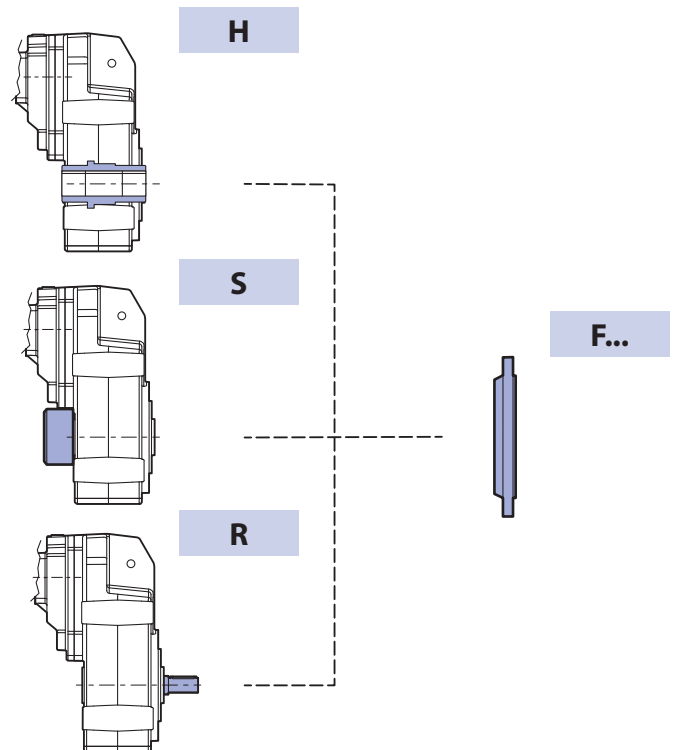
Todos los engranajes se han fabricado con aleación de acero, cementados y templados con la sucesiva elaboración de rectificado en los lados de los dientes, para mejorar el rendimiento y para que el funcionamiento incluso bajo carga, sea lo más silencioso posible. Valores indicativos máximos de nivel sonoro 75dB.

El eje de entrada se ha fabricado con acero aleado, cementado y templado, el de salida en acero bonificado.

Los reductores se pintan con polvo de endurecimiento termoestable a base de resinas de poliéster modificadas con resina epoxi de color Azul genciana RAL5010.

Se puede solicitar más información sobre las especificaciones de la pintura a nuestro Departamento Técnico.

5.2 Formas de fabricación





5.3 Designation

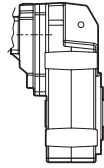
5.3 Nomenclatura

GEAR REDUCER / REDUCTOR

RFV 35 3 H35 110.69 F200 NEMA H1 ...

RFV

TYPE OF GEAR REDUCER
TIPO DE REDUCTOR



35

SIZE
TAMANO DEL REDUCTOR

25, 30, 35, 40, 50

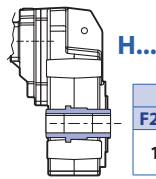
3

N. OF STAGES OF REDUCTION
Nº ESTADOS DE REDUCCION

2, 3

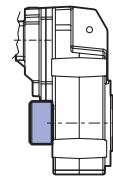
H35

STRUCTURAL SHAPE
FORMA CONSTRUCTIVA

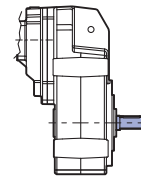


H...

H ..				
F25..	F30..	F35..	F40..	F50..
1"	1 1/4"	1 3/8"	1 1/2"	2"



S



R

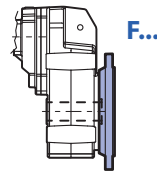
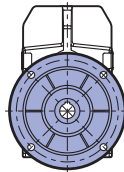


110.69

REDUCTION RATIO
RELACION DE REDUCCION

F200

OUTPUT FLANGE
BRIDA DE SALIDA



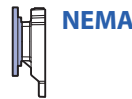
F...

NEMA

TYPE OF INPUT
TIPO DE ENTRADA



IEC
B5/B14



NEMA



FV

H1

ASSEMBLY POSITION
POSICION DE MONTAJE



...

OPTIONS
OPCIONES





5.4 Lubrication

All gearboxes manufactured by VARMEC are designed with synthetic oil lubrication.

Gearboxes from size RFV 25.. to RFV 40.. are supplied with lubricant from the factory. These gearboxes do not require periodic lubricant replacement throughout their service life.

The gearboxes of the RFV 502-503 series are normally supplied without lubricant, if not specified in the order, and it is the customer's responsibility to introduce the correct amount of lubricating oil before commissioning.

In this regard, the gearboxes are fitted with filler caps, drain and oil level plugs; for gearboxes supplied with lubricant it is recommended, after installation, to replace the closed plug used for transport, with the breather plug provided.

In order to fit the plugs with the correct orientation, it is recommended to always specify the desired assembly position for proper lubrication. In the assembly positions that feature gearboxes with a vertical axis (H5, H6), where the oil splashing during operation would not be enough to ensure proper lubrication of the upper bearings, type 2RS self-lubricating bearings are fitted.

To fill the gearbox properly, refer to the centreline of the level plug.

With respect to this condition, the quantity of lubricant shown in table 1 may feature deviations.

The operation of the gearboxes is permitted for ambient temperatures ranging between -20°C and +40°C.

5.5 Quantity of lubricant

5.4 Lubrication

Todos los reductores de producción de la empresa VARMEC llevan lubricación con aceite sintético.

Los reductores del tamaño RFV 25.. al RFV 40.. se suministran lubricados de fábrica. Estos reductores no necesitan la sustitución periódica del lubricante durante toda su vida útil.

Los reductores de la serie RFV 502-503 normalmente se suministran sin lubricante, si no se especifica en el pedido, el cliente debe introducir la cantidad adecuada de aceite antes de la puesta en servicio.

Para ello los reductores están equipados con tapones de carga, descarga y de nivel para los reductores que se suministran con lubricante, se aconseja que después de la instalación se cambie el tapón cerrado, usado para el transporte, con el tapón de purga que se suministra.

Para orientar correctamente los tapones, para lubricar adecuadamente, recomendamos indicar siempre la posición en la que desea montarlos. En las posiciones de montaje que prevén los reductores con un eje vertical (H5, H6), después de que el aceite sea sacudido mientras funciona, esto no es suficiente para asegurar la lubricación correcta de los cojinetes superiores, se montan cojinetes con lubricación automática tipo 2RS.

Para el llenado correcto del reductor se deberá tomar como referencia absoluta el nivel a mitad del tapón.

Respecto a esta condición, la cantidad de lubricante indicada en la tabla 1 puede sufrir variaciones.

El funcionamiento de los reductores se admite para temperaturas ambiente entre los -20°C y los +40°C.

5.5 Cantidad de lubricante

Tab.1

RFV	Assembly position / Posición de montaje											
	H1		H2		H3		H4		H5		H6	
252	0.317	[1.2]	0.290	[1.1]	0.185	[0.7]	0.185	[0.7]	0.317	[1.2]	0.238	[0.9]
253	0.330	[1.25]	0.290	[1.1]	0.185	[0.7]	0.185	[0.7]	0.343	[1.3]	0.238	[0.9]
302	0.422	[1.6]	0.370	[1.4]	0.211	[0.8]	0.211	[0.8]	0.396	[1.5]	0.343	[1.3]
303	0.449	[1.7]	0.370	[1.4]	0.211	[0.8]	0.211	[0.8]	0.422	[1.6]	0.343	[1.3]
352	0.713	[2.7]	0.686	[2.6]	0.422	[1.6]	0.422	[1.6]	0.766	[2.9]	0.686	[2.6]
353	0.792	[3]	0.686	[2.6]	0.422	[1.6]	0.422	[1.6]	0.818	[3.1]	0.686	[2.6]
402	1.267	[4.8]	0.950	[3.6]	0.739	[2.8]	0.739	[2.8]	1.241	[4.7]	1.162	[4.4]
403	1.346	[5.1]	0.950	[3.6]	0.739	[2.8]	0.739	[2.8]	1.241	[4.7]	1.162	[4.4]
502	1.769	[6.7]	1.584	[6]	1.162	[4.4]	1.162	[4.4]	2.033	[7.7]	1.690	[6.4]
503	1.980	[7.5]	1.584	[6]	1.162	[4.4]	1.162	[4.4]	2.033	[7.7]	1.690	[6.4]

Permanent lubrication / Lubricación permanente

Amount of oil expressed in gal [lt] / Cantidad de aceite expresada en gal [lt]

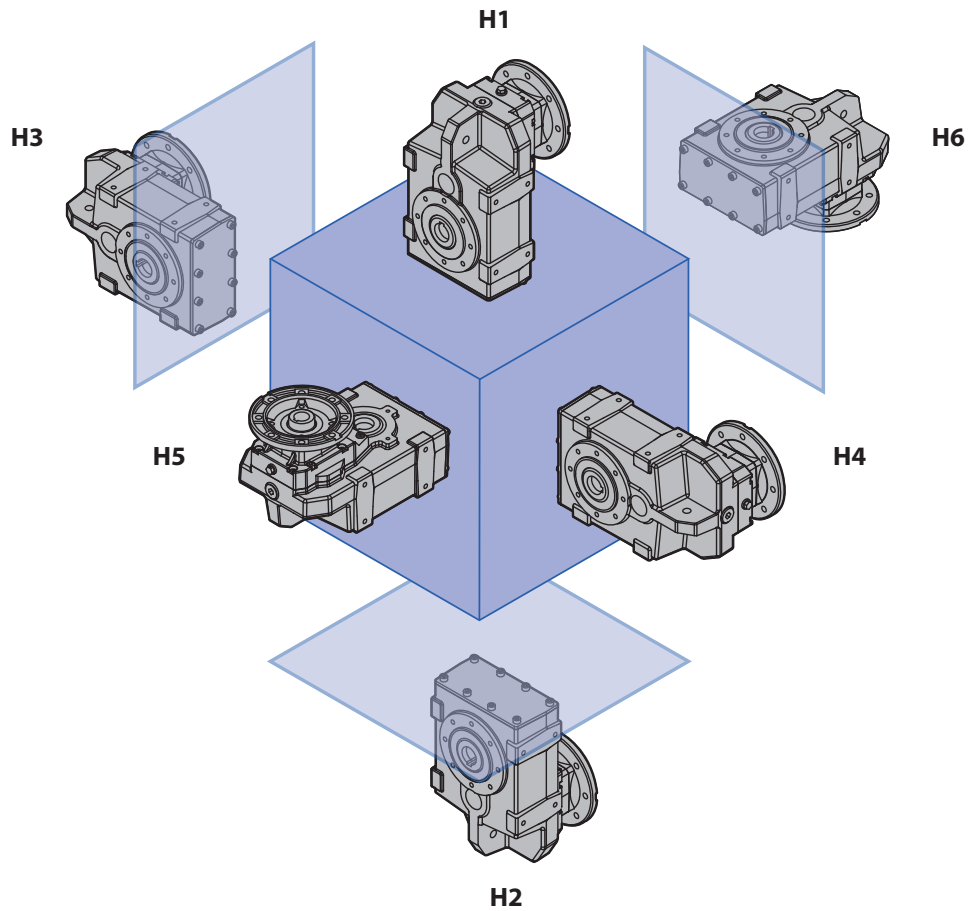


5.6 Assembly positions

5.6 Posiciones de montaje

The tables below should be used as a reference for the interpretation of the assembly positions, the position of the plugs and the quantities of lubricant.

Las tablas siguientes sirven de referencia para interpretar las posiciones de montaje, la colocación de los tapones y la cantidad de lubricante.



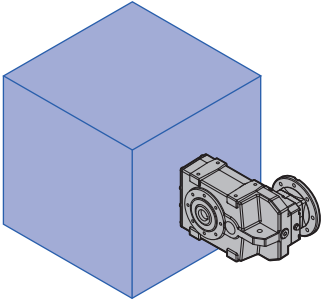
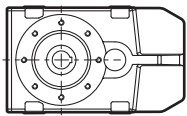
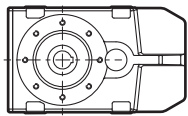
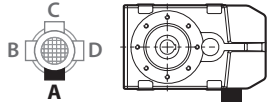
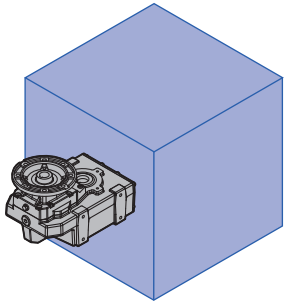
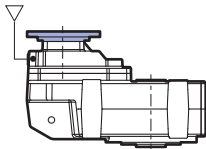
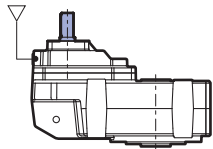
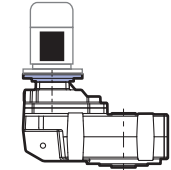
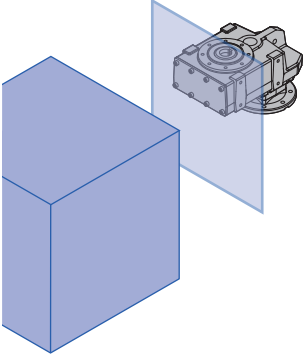
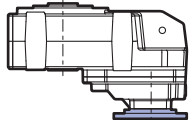
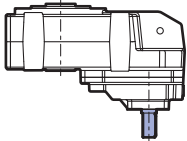

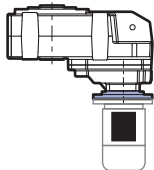


RFV 25... - RFV 30... - RFV 35...

H1	...NEMA	...FV	
			<p>A = Standard</p>
H2	...NEMA	...FV	
			<p>A = Standard</p>
H3	...NEMA	...FV	
			<p>A = Standard</p>



RFV 25... - RFV 30... - RFV 35...

H4	...NEMA	...FV	
			 <p>A = Standard</p>
H5	...NEMA	...FV	
			 <p>A = Standard</p>
H6	...NEMA	...FV	
			  <p>A = Standard</p>



RFV 40... - RFV 50...

H1	...NEMA	...FV	
			<p>A = Standard</p>
			<p>A = Standard</p>
			<p>A = Standard</p>

(2): 2 stages of reductions / 2 estados de reduccion
 (3): 3 stages of reductions / 3 estados de reduccion

- ▽ Breather plug / Tapón respiradero
- Filler cap / Carga aceite
- Oil level plug / Nivel aceite
- Drain plug / Descarga de aceite



RFV 40... - RFV 50...

H4	...NEMA	...FV	
			<p>A = Standard</p>
H5	...NEMA	...FV	
			<p>A = Standard</p>
H6	...NEMA	...FV	
			<p>A = Standard</p>

- ▽ Breather plug / Tapón respiradero
- Filler cap / Carga aceite
- ◐ Oil level plug / Nivel aceite
- Drain plug / Descarga de aceite



5.7 Radial load

Any transmission device coupled to the input and output shaft generates radial loads.

The load values reported in the table, depending on input and output speed, are to be considered as acting at the half-way point of the projection; if the load is applied at 1/3 of the projection, increase the values in the table by 25%; if the load is applied at 2/3, reduce the values by 25%.

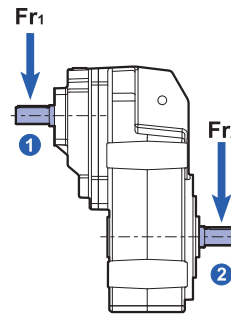
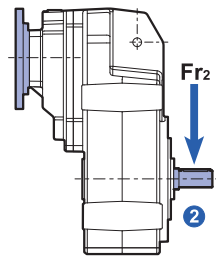
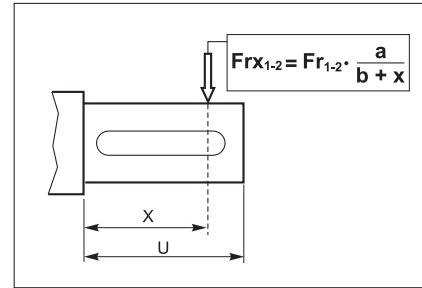
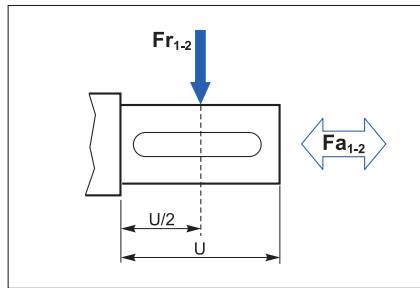
With regard to double projecting shafts, each end can sustain a radial load which equals 3/5 of the values listed in the table, on condition that they act in the same direction and have the same intensity.

5.7 Cargas radiales

Cada clase de órgano de transmisión que es conectado al eje de entrada y salida determina cargas radiales.

Los valores señalados en la tabla en función a las varias velocidades de entrada y salida se suponen aplicándolas en la mitad del eje como fuerzas agentes a esta; para una ubicación de 1/3 de la longitud se aumentará hasta un 25% los valores de la tabla, mientras para una posición de 2/3 de la longitud se disminuirá los mismos valores a un 25%.

En los ejes con salida doble, cada extremidad puede soportar una carga radial igual a 3/5 del valor de la tabla, siempre y cuando las cargas aplicables sean de igual intensidad y reaccionen en el mismo sentido.



		Fr_1									
n_1 [min ⁻¹]		FRV...FV									
		252	253	302	303	352	353	402	403	502	503
2800	lbf	166	111	166	111	222	166	388	166	749	222
	[N]	[300]	[200]	[300]	[200]	[400]	[300]	[700]	[300]	[1350]	[400]
1750	lbf	346	208	346	208	416	346	729	346	1388	416
	[N]	[625]	[375]	[625]	[375]	[750]	[625]	[1315]	[625]	[2500]	[751]
1400	lbf	277	166	277	166	333	277	583	277	1110	333
	[N]	[500]	[300]	[500]	[300]	[600]	[500]	[1050]	[500]	[2000]	[600]
900	lbf	322	194	322	194	388	322	677	322	1287	388
	[N]	[580]	[350]	[580]	[350]	[700]	[580]	[1220]	[580]	[2320]	[700]
700	lbf	350	211	350	211	422	350	732	350	1398	422
	[N]	[630]	[380]	[630]	[380]	[760]	[630]	[1320]	[630]	[2520]	[760]
500	lbf	388	239	388	239	472	388	821	388	1570	472
	[N]	[700]	[430]	[700]	[430]	[850]	[700]	[1480]	[700]	[2830]	[850]
300	lbf	460	277	460	277	555	460	971	460	1859	555
	[N]	[830]	[500]	[830]	[500]	[1000]	[830]	[1750]	[830]	[3350]	[1000]
a	inch	2.984	2.413	2.984	2.413	3.898	2.984	4.709	2.984	6.339	3.898
	[mm]	[75.8]	[61.3]	[75.8]	[61.3]	[99]	[75.8]	[119.6]	[75.8]	[161]	[99]
b	inch	2.197	1.626	2.197	1.626	2.913	2.197	3.528	2.197	4.764	2.913
	[mm]	[55.8]	[41.3]	[55.8]	[41.3]	[74]	[55.8]	[89.6]	[55.8]	[121]	[74]




5.7 Radial load

5.7 Cargas radiales

Fr ₂						
n ₂ [min ⁻¹]		FRV...FV				
		252 - 253	302 - 303	352 - 353	402 - 403	502 - 503
400	lbf	777	832	1553	1942	2219
	[N]	[1400]	[1500]	[2800]	[3500]	[4000]
300	lbf	832	888	1664	2053	2497
	[N]	[1500]	[1600]	[3000]	[3700]	[4500]
250	lbf	888	943	1831	2219	2552
	[N]	[1600]	[1700]	[3300]	[4000]	[4600]
200	lbf	943	999	1942	2386	2774
	[N]	[1700]	[1800]	[3500]	[4300]	[5000]
150	lbf	971	1054	2108	2552	3051
	[N]	[1750]	[1900]	[3800]	[4600]	[5500]
100	lbf	1110	1221	2219	2774	3606
	[N]	[2000]	[2200]	[4000]	[5000]	[6500]
80	lbf	1165	1304	2441	2885	3884
	[N]	[2100]	[2350]	[4400]	[5200]	[7000]
60	lbf	1304	1442	2829	3329	4438
	[N]	[2350]	[2600]	[5100]	[6000]	[8000]
40	lbf	1526	1720	3440	3995	4993
	[N]	[2750]	[3100]	[6200]	[7200]	[9000]
20	lbf	1553	2219	3606	4716	6658
	[N]	[2800]	[4000]	[6500]	[8500]	[12000]
a	inch	4.921	5.709	6.654	7.539	9.094
	[mm]	[125]	[145]	[169]	[191.5]	[231]
b	inch	4.035	4.528	5.472	5.965	7.126
	[mm]	[102.5]	[115]	[139]	[151.5]	[181]



RFV	i	$n_1 = 1750 \text{ min}^{-1}$					FS'	 NEMA
		n_2 min^{-1}	Ft·lb	T_2 Nm	Hp	P_1 kW		
252	7.81	224	75	101	2.7	2.00	1.0	143/145 TC 56 C
	9.33	188	80	109	2.4	1.80		
	10.66	164	84	114	2.2	1.65		
	12.36	142	88	119	2.0	1.49		
	14.11	124	97	131	1.9	1.43		
	16.85	104	103	140	1.7	1.28		
	19.25	91	108	146	1.6	1.17		
	20.17	87	111	151	1.6	1.16		
	23.04	76	115	156	1.4	1.04		
	25.63	68	123	167	1.4	1.01		
	30.61	57	130	176	1.2	0.89		
	34.96	50	135	183	1.1	0.81		
	40.56	43	140	190	1.0	0.72		
	45.12	39	148	200	0.9	0.68		
	49.39	35	148	200	0.8	0.62		
	53.89	32	148	200	0.8	0.57		
61.56	28	148	200	0.7	0.50			
71.42	25	148	200	0.6	0.43			
78.17	22	148	200	0.5	0.39			
253	79.92	22	148	200	0.66	0.49	1.0	56 C
	92.72	19	148	200	0.58	0.43		
	98.47	18	148	200	0.54	0.40		
	117.60	15	148	200	0.46	0.34		
	134.34	13	148	200	0.39	0.29		
	155.85	11	148	200	0.34	0.25		
	170.87	10	148	200	0.31	0.23		
	204.06	9	148	200	0.25	0.19		
	233.10	8	148	200	0.23	0.17		
	250.99	7	148	200	0.21	0.16		
	270.43	6	148	200	0.20	0.15		
	286.71	6	148	200	0.19	0.14		
	332.63	5	148	200	0.16	0.12		





5.8 Technical data

5.8 Datos técnicos

RFV	i	n ₁ = 1750 min ⁻¹						FS'	NEMA
		n ₂ min ⁻¹	Ft·lb	T ₂ Nm	Hp	P ₁ kW			
302	7.16	244	148	200	7.2	5.39	1.0	143/145 TC 56 C	
	8.09	216	170	230	7.3	5.48			
	9.26	189	188	255	7.1	5.31			
	10.76	163	202	274	6.6	4.91			
	12.73	137	214	290	5.9	4.39			
	14.39	122	221	300	5.4	4.02			
	16.47	106	232	315	4.9	3.69			
	17.60	99	236	320	4.7	3.51			
	19.14	91	239	324	4.4	3.27			
	20.14	87	244	330	4.2	3.16			
	23.40	75	251	340	3.8	2.80			
	26.46	66	258	350	3.4	2.55			
	30.28	58	258	350	3.0	2.23			
	34.71	50	258	350	2.6	1.95			
	40.34	43	258	350	2.2	1.67			
	44.56	39	258	350	2.0	1.52			
	50.38	35	258	350	1.8	1.34			
	57.66	30	258	350	1.6	1.17			
63.01	28	258	350	1.4	1.07				
67.01	26	258	350	1.4	1.01				
72.11	24	258	350	1.3	0.94				
83.81	21	258	350	1.1	0.81				
303	89.95	19	258	350	1.0	0.77	1.0	56 C	
	102.94	17	258	350	0.90	0.67			
	119.64	15	258	350	0.78	0.58			
	128.01	14	258	350	0.72	0.54			
	144.73	12	258	350	0.64	0.48			
	165.63	11	258	350	0.56	0.42			
	192.50	9	258	350	0.48	0.36			
	243.79	7	258	350	0.38	0.28			
	275.63	6	258	350	0.34	0.25			
	315.43	6	258	350	0.30	0.22			
	332.51	5	258	350	0.28	0.21			
	375.94	5	258	350	0.24	0.18			
	430.23	4	258	350	0.21	0.16			
	470.88	4	258	350	0.20	0.15			
	500.02	3	258	350	0.19	0.14			
	547.27	3	258	350	0.17	0.13			





RFV	i	$n_1 = 1750 \text{ min}^{-1}$					FS'	 NEMA
		n_2 min^{-1}	Ft·lb	T_2 Nm	Hp	P_1 kW		
352	5.55	315	215	292	13.6	10.15	1.0	182/184 TC 143/145 TC 56 C
	6.45	271	238	322	12.9	9.63		
	7.63	229	270	366	12.4	9.25		
	9.23	190	309	419	11.7	8.76		
	12.83	136	338	458	9.2	6.89		
	14.91	117	379	513	8.9	6.64		
	16.95	103	382	517	7.9	5.88		
	19.69	89	424	575	7.5	5.63		
	21.58	81	424	574	6.9	5.13		
	23.29	75	443	600	6.7	4.97		
	25.07	70	443	600	6.2	4.62		
	29.64	59	443	600	5.2	3.91		
	33.38	52	443	600	4.7	3.47		
	35.88	49	443	600	4.3	3.23		
	39.47	44	443	600	3.9	2.93		
	41.24	42	443	600	3.8	2.81		
	47.93	37	443	600	3.2	2.41	143/145 TC 56 C	
56.66	31	443	600	2.7	2.04			
68.58	26	443	600	2.3	1.69			
353	71.90	24	443	600	2.2	1.64	1.0	143/145 TC 56 C
	85.01	21	443	600	1.9	1.39		
	95.25	18	443	600	1.7	1.24		
	102.89	17	443	600	1.5	1.15		
	110.69	16	443	600	1.4	1.07		
	122.04	14	443	600	1.3	0.97		
	130.87	13	443	600	1.2	0.90		
	147.71	12	443	600	1.1	0.80		
	158.39	11	443	600	1.0	0.75		
	184.22	9	443	600	0.86	0.64		
	214.07	8	443	600	0.74	0.55		
	253.10	7	443	600	0.63	0.47		
	306.32	6	443	600	0.52	0.39		
	365.74	5	443	600	0.43	0.32		
	442.65	4	443	600	0.36	0.27		






5.8 Technical data

5.8 Datos técnicos

RFV	i	$n_1 = 1750 \text{ min}^{-1}$					FS'	NEMA
		n_2 min ⁻¹	Ft·lb	T_2 Nm	Hp	P_1 kW		
402	4.83	362	335	454	24.3	18.14	1.0	213/215 TC 182/184 TC 143/145 TC
	5.58	314	374	507	23.5	17.51		
	6.60	265	421	570	22.3	16.64		
	7.63	229	457	619	21.0	15.64		
	8.96	195	514	697	20.1	15.01		
	10.72	163	565	765	18.5	13.76		
	12.17	144	576	781	16.6	12.38		
	14.06	124	639	866	15.9	11.88		
	16.50	106	719	974	15.3	11.38		
	19.75	89	765	1037	13.6	10.13		
	22.60	77	768	1040	11.9	8.88		
	26.12	67	813	1101	10.9	8.13		
	30.64	57	886	1200	10.1	7.55		
	34.52	51	886	1200	9.0	6.71		
	40.50	43	886	1200	7.7	5.72		
	48.48	36	886	1200	6.4	4.78		
57.20	31	886	1200	5.4	4.05			
68.47	26	886	1200	4.5	3.38			
403	74.67	23	886	1200	4.3	3.17	1.0	143/145 TC 56 C
	86.31	20	886	1200	3.7	2.74		
	101.27	17	886	1200	3.1	2.34		
	108.91	16	886	1200	2.9	2.17		
	125.89	14	886	1200	2.5	1.88		
	138.65	13	886	1200	2.3	1.71		
	147.71	12	886	1200	2.1	1.60		
	160.26	11	886	1200	2.0	1.48		
	170.24	10	886	1200	1.9	1.39		
	188.04	9	886	1200	1.7	1.26		
	203.77	9	886	1200	1.6	1.16		
	213.38	8	886	1200	1.5	1.11		
	250.36	7	886	1200	1.3	0.94		
	265.04	7	886	1200	1.2	0.89		
	306.34	6	886	1200	1.0	0.77		
	359.44	5	886	1200	0.89	0.66		
430.24	4	886	1200	0.74	0.55			





RFV	i	$n_1 = 1750 \text{ min}^{-1}$					FS'	 NEMA	
		n_2 min ⁻¹	Ft·lb	T ₂ Nm	Hp	P ₁ kW			
502	6.03	290	738	1000	42.9	32.02	1.0	284/286 TC 254/256 TC 213/215 TC 182/184 TC 143/145 TC	
	7.06	248	801	1085	39.8	29.65			
	8.24	212	888	1203	37.7	28.14			
	9.66	181	1016	1377	36.9	27.52			
	11.54	152	1104	1496	33.6	25.02			
	12.73	137	1127	1527	31.0	23.14			
	13.55	129	992	1344	25.7	19.14		254/256 TC 213/215 TC 182/184 TC 143/145 TC	
	16.19	108	1178	1596	25.5	19.01			
	17.87	98	1292	1750	25.3	18.89			
	21.25	82	1525	2067	25.2	18.76			
	23.45	75	1627	2205	24.3	18.14			
	26.43	66	1632	2211	21.6	16.14			213/215 TC 182/184 TC 143/145 TC
	29.12	60	1547	2096	18.6	13.88			
	32.14	54	1692	2293	18.5	13.76			
	37.14	47	1635	2215	15.4	11.51			
	39.46	44	1511	2047	13.4	10.01			
	43.56	40	1563	2118	12.6	9.38			
	52.16	34	1497	2029	10.1	7.51		182/184 TC 143/145 TC	
57.57	30	1515	2053	9.2	6.88				
73.67	24	1269	1720	6.0	4.50				
81.31	22	1362	1845	5.9	4.38				
503	79.95	22	1624	2200	7.3	5.42	1.0		182/184 TC 143/145 TC
	95.52	18	1624	2200	6.1	4.54			
	105.43	17	1624	2200	5.5	4.11			
	118.26	15	1624	2200	4.9	3.67			
	134.39	13	1624	2200	4.3	3.23			
	141.30	12	1624	2200	4.1	3.07			
	155.95	11	1624	2200	3.7	2.78			
	160.57	11	1624	2200	3.6	2.70			
	177.23	10	1624	2200	3.3	2.45			
	184.38	9	1624	2200	3.2	2.35			
	194.88	9	1624	2200	3.0	2.22			
	203.50	9	1624	2200	2.9	2.13			
	232.84	8	1624	2200	2.5	1.86			
	257.57	7	1624	2200	2.3	1.68			
	307.74	6	1624	2200	1.9	1.41			
	339.66	5	1624	2200	1.7	1.28			



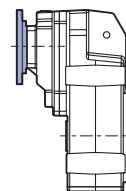
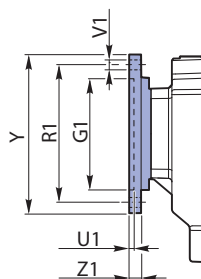


5.9 Dimensions

5.9 Dimensiones

Input flange

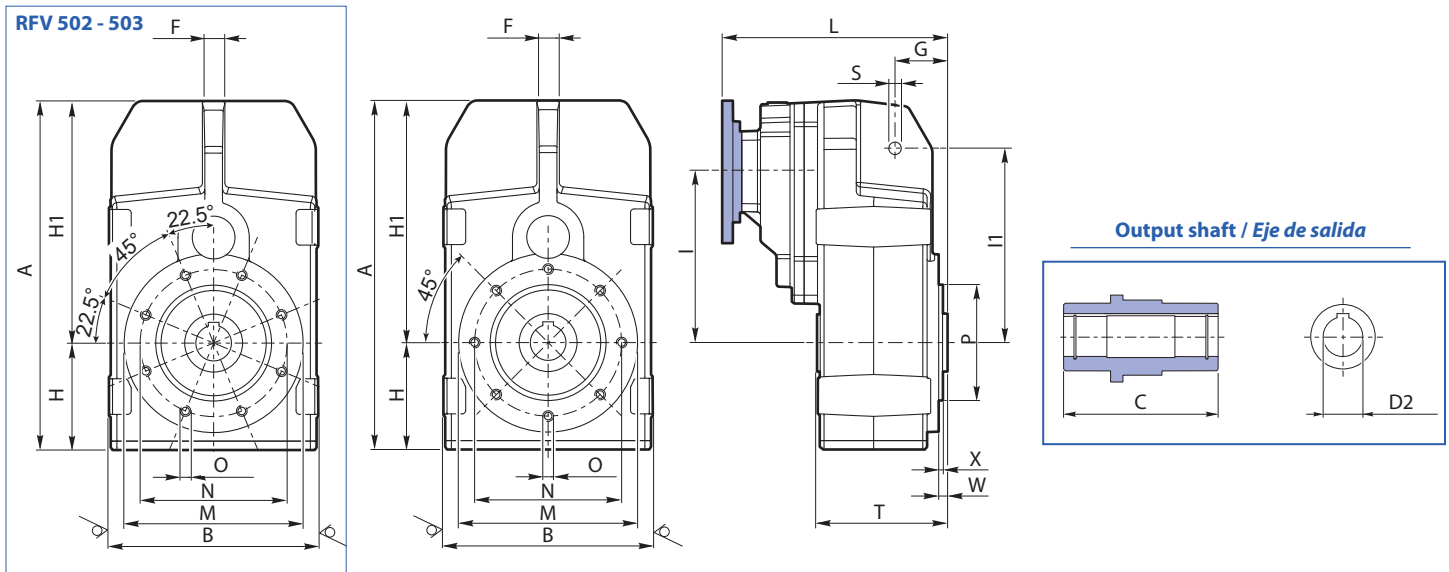
Brida entrada



RFV	NEMA	G ₁	R ₁	U ₁	V ₁		Y	Z ₁		
					∅					
252	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
	56C	[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]
253	56 C	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
		[114.3]	[149.22]	[5.5]	[10.5]		[165.1]	[12]		
302	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
	56 C	[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]
303	56 C	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
		[114.3]	[149.22]	[5.5]	[10.5]		[165.1]	[12]		
352	182/184 TC	8 1/2"	7 1/4"	0.236	0.551	4	9	0.590		
		[215.9]	[184.15]	[6]	[14]				[228.6]	[15]
	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
56 C	[114.3]	[149.22]	[5.5]	[10.5]	[165.1]				[12]	
353	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
	56C	[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]
402	213/215 TC	8 1/2"	7 1/4"	0.236	0.551	4	9	0.590		
	182/184 TC	[215.9]	[184.15]	[6]	[14]				[228.6]	[15]
	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
	[114.3]	[149.22]	[5.5]	[10.5]	[165.1]				[12]	
403	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
	56 C	[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]
502	284/286 TC	10 1/2"	9	0.236	0.551	4	11 1/4"	0.669		
		[266.7]	[228.6]	[6]	[14]				[285.75]	[17]
	254/256 TC	8 1/2"	7 1/4"	0.236	0.551	4	9	0.590		
	213/215 TC	[215.9]	[184.15]	[6]	[14]				[228.6]	[15]
	182/184 TC									
143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472			
	[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]	
503	182/184 TC	8 1/2"	7 1/4"	0.236	0.551	4	9	0.590		
		[215.9]	[184.15]	[6]	[14]				[228.6]	[15]
	143/145 TC	4 1/2"	5 7/8"	0.216	0.413	4	6 1/2"	0.472		
		[114.3]	[149.22]	[5.5]	[10.5]				[165.1]	[12]



RFV ... H...NEMA



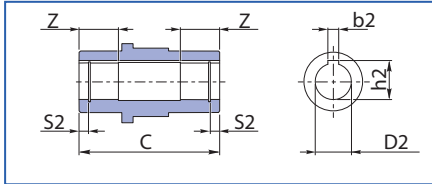
RFV	A	B	C	D2 H7	F	G	H	H1	i	i1	L	M	N	O	P h7	S	T	X	W		
252	inch	10.000	6.693	3.957	1"	0.787	1.378	3.130	6.870	4.646	5.512	7.087	NEMA 56/140	4.724	3.937	M8x0.590 N.8	3.150	0.433	3.957	0.118	0.177
	[mm]	[254]	[170]	[100.5]	[25.4]	[20]	[35]	[79.5]	[174.5]	[118]	[140]	[180]	NEMA 56/140	[120]	[100]	[M8x15 N.8]	[80]	[11]	[100.5]	[3]	[4.5]
253	inch	10	6.693	3.957	1"	0.787	1.378	3.130	6.870	5.669	5.512	7.362	NEMA 56	4.724	3.937	M8x0.590 N.8	3.150	0.433	3.957	0.118	0.177
	[mm]	[254]	[170]	[100.5]	[25.4]	[20]	[35]	[79.5]	[174.5]	[144]	[140]	[187]	NEMA 56	[120]	[100]	[M8x15 N.8]	[80]	[11]	[100.5]	[3]	[4.5]
302	inch	11.260	7.402	4.724	1 1/4"	0.787	1.575	3.524	7.736	5.362	6.299	7.441	NEMA 56/140	5.512	4.528	M8x0.590 N.8	3.740	0.433	4.724	0.118	0.197
	[mm]	[286]	[188]	[120]	[31.75]	[20]	[40]	[89.5]	[196.5]	[136.2]	[160]	[189]	NEMA 56/140	[140]	[115]	[M8x15 N.8]	[95]	[11]	[120]	[3]	[5]
303	inch	11.260	7.402	4.724	1 1/4"	0.787	1.575	3.524	7.736	6.465	6.299	7.756	NEMA 56	5.512	4.528	M8x0.590 N.8	3.740	0.433	4.724	0.118	0.197
	[mm]	[286]	[188]	[120]	[31.75]	[20]	[40]	[89.5]	[196.5]	[164.2]	[160]	[197]	NEMA 56	[140]	[115]	[M8x15 N.8]	[95]	[11]	[120]	[3]	[5]
352	inch	12.835	8.268	4.921	1 3/8"	0.787	2.126	3.937	8.898	5.984	6.693	10.709	NEMA 180	5.906	5.118	M10x0.669 N.8	4.331	0.512	4.921	0.138	0.256
	[mm]	[326]	[210]	[125]	[34.925]	[20]	[54]	[100]	[226]	[152]	[170]	8.858	NEMA 56/140	[150]	[130]	[M10x17 N.8]	[110]	[13]	[125]	[3.5]	[6.5]
												[272]	NEMA 180								
353	inch	12.835	8.268	4.921	1 3/8"	0.787	2.126	3.937	8.898	7.087	6.693	9.350	NEMA 56/140	5.906	5.118	M10x0.669 N.8	4.331	0.512	4.921	0.138	0.256
	[mm]	[326]	[210]	[125]	[34.925]	[20]	[54]	[100]	[226]	[180]	[170]	[237.5]	NEMA 56/140	[150]	[130]	[M10x17 N.8]	[110]	[13]	[125]	[3.5]	[6.5]
402	inch	15.236	9.528	5.669	1 1/2"	0.787	2.224	4.528	10.709	7.539	8.583	11.398	NEMA 180/210	7.874	6.496	M12x0.748 N.8	5.118	0.551	5.669	0.138	0.295
	[mm]	[387]	[242]	[144]	[38.1]	[20]	[56.5]	[115]	[272]	[191.5]	[218]	11.161	NEMA 140	[200]	[165]	[M12x19 N.8]	[130]	[14]	[144]	[3.5]	[7.5]
												[289.5]	NEMA 180/210								
403	inch	15.236	9.528	5.669	1 1/2"	0.787	2.224	4.528	10.709	8.799	8.583	10.256	NEMA 56/140	7.874	6.496	M12x0.748 N.8	5.118	0.551	5.669	0.138	0.295
	[mm]	[387]	[242]	[144]	[38.1]	[20]	[56.5]	[115]	[272]	[223.5]	[218]	[260.5]	NEMA 56/140	[200]	[165]	[M12x19 N.8]	[130]	[14]	[144]	[3.5]	[7.5]
502	inch	18.701	11.142	6.417	2"	0.787	2.559	5.512	13.189	8.307	10.945	14.114	NEMA 280	9.843	8.465	M12x0.748 N.8	7.087	0.866	6.417	0.177	0.335
												13.484	NEMA250								
												12.480	NEMA 180/210								
												12.244	NEMA 140								
503	inch	18.701	11.142	6.417	2"	0.787	2.559	5.512	13.189	9.882	10.945	12.402	NEMA 180	9.843	8.465	M12x0.748 N.8	7.087	0.866	6.417	0.177	0.335
	[mm]	[475]	[283]	[163]	[50.8]	[20]	[65]	[140]	[335]	[211]	[278]	12.165	NEMA 140	[250]	[215]	[M12x19 N.8]	[180]	[22]	[163]	[4.5]	[8.5]
												[315]	NEMA 180								
												[309]	NEMA 140								



5.9 Dimensions

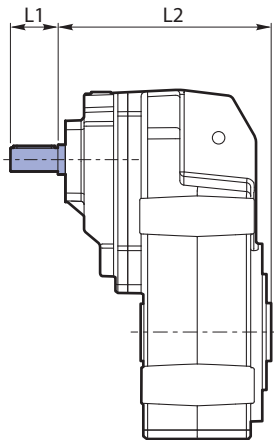
5.9 Dimensiones

Output shaft / Eje de salida

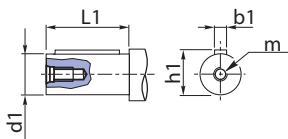


RFV...H...	b2	C	D2	h2	S2	Z	
252	inch	0.250	3.957	1"	1.114	0.283	1.102
	[mm]	[6.35]	[100.5]	[25.4]	[28.3]	[7.2]	[28]
253	inch	0.250	3.957	1"	1.114	0.283	1.102
	[mm]	[6.35]	[100.5]	[25.4]	[28.3]	[7.2]	[28]
302	inch	0.250	4.724	1 1/4"	1.367	0.303	1.220
	[mm]	[6.35]	[120]	[31.75]	[34.7]	[7.7]	[31]
303	inch	0.250	4.724	1 1/4"	1.367	0.303	1.220
	[mm]	[6.35]	[120]	[31.75]	[34.7]	[7.7]	[31]
352	inch	0.312	4.921	1 3/8"	1.518	0.331	1.378
	[mm]	[7.92]	[125]	[34.925]	[38.55]	[8.4]	[35]
353	inch	0.312	4.921	1 3/8"	1.518	0.331	1.378
	[mm]	[7.92]	[125]	[34.925]	[38.55]	[8.4]	[35]
402	inch	0.375	5.669	1 1/2"	1.669	0.398	1.378
	[mm]	[9.53]	[144]	[38.1]	[42.39]	[10.1]	[35]
403	inch	0.375	5.669	1 1/2"	1.669	0.398	1.378
	[mm]	[9.53]	[144]	[38.1]	[42.39]	[10.1]	[35]
502	inch	0.500	6.417	2"	2.223	0.425	1.575
	[mm]	[12.70]	[163]	[50.8]	[56.46]	[10.8]	[40]
503	inch	0.500	6.417	2"	2.223	0.425	1.575
	[mm]	[12.70]	[163]	[50.8]	[56.46]	[10.8]	[40]

RFV... H...FV



Input shaft / Eje de entrada



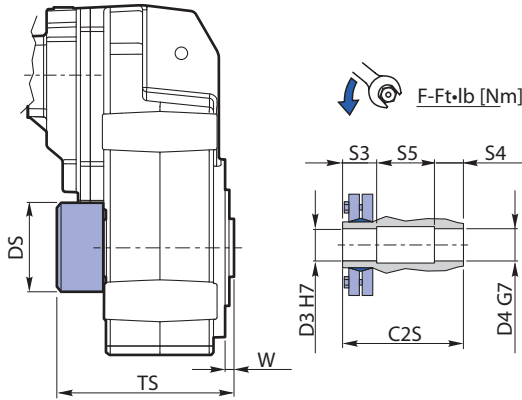
RFV...H...	b1	d1 h6	L1	L2	h1	m	
252	inch	0.187	3/4"	1.575	6.508	0.832	5/16-18 x 0.709
	[mm]	[4.75]	[19.05]	[40]	[165.3]	[21.1]	
253	inch	0.187	5/8"	1.575	6.390	0.704	1/4-20 x 0.630
	[mm]	[4.75]	[15.88]	[40]	[162.3]	[17.9]	
302	inch	0.187	3/4"	1.575	6.862	0.832	5/16-18 x 0.709
	[mm]	[4.75]	[19.05]	[40]	[174.3]	[21.1]	
303	inch	0.187	5/8"	1.575	6.783	0.704	1/4-20 x 0.630
	[mm]	[4.75]	[15.88]	[40]	[172.3]	[17.9]	
352	inch	0.250-0.187	1" - 3/4"	1.969-1.575	9.047-8.193	1.109-0.832	5/16-18 x 0.709
	[mm]	[6.35-4.75]	[25.4 - 19.05]	[50-40]	[229.8/208]	[28.2-21.1]	
353	inch	0.187	3/4"	1.575	8.764	0.832	5/16-18 x 0.709
	[mm]	[4.75]	[19.05]	[40]	[222.6]	[21.1]	
402	inch	0.250-0.25	1 1/8" - 1"	2.362-1.969	10.339-9.705	1.236-1.109	5/16-18 x 0.709
	[mm]	[6.35-6.35]	[28.575-25.4]	[60-50]	[262.6-246.5]	[31.4-28.2]	
403	inch	0.187	3/4"	1.575	9.677	0.832	5/16-18 x 0.709
	[mm]	[4.75]	[19.05]	[40]	[245.8]	[21.1]	
502	inch	0.250-0.375	1 1/8" - 1 1/2"	2.362-3.150	12.854-11.421	1.236-1.664	5/16-18 x 0.709 3/8-16 x 0.906
	[mm]	[6.35-9.525]	[28.575-38.1]	[60-80]	[326.5-290]	[31.4-42.3]	
503	inch	0.250	1"	1.969	11.614	1.109	5/16-18 x 0.709
	[mm]	[6.35]	[25.4]	[50]	[295]	[28.2]	



5.9 Dimensions

5.9 Dimensiones

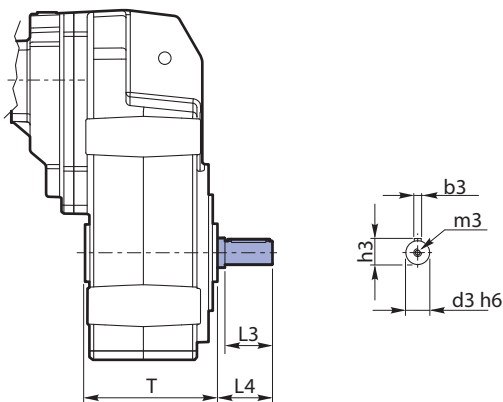
RFV ... S...



RFV...S...	TS	DS	C2S	D3 H7	D4 G7	W	S3	S5	S4	
252	inch	5.906	2.953	5.512	0.984	1.063	0.177	1.339	2.756	1.417
	[mm]	[150]	[75]	[140]	[25]	[27]	[4.5]	[34]	[70]	[36]
253	inch	5.906	2.953	5.512	0.984	1.063	0.177	1.339	2.756	1.417
	[mm]	[150]	[75]	[140]	[25]	[27]	[4.5]	[34]	[70]	[36]
302	inch	6.772	3.386	6.378	1.181	1.260	0.197	1.496	1.339	1.575
	[mm]	[172]	[86]	[162]	[30]	[32]	[5]	[38]	[34]	[40]
303	inch	6.772	3.386	6.378	1.181	1.260	0.197	1.496	3.307	1.575
	[mm]	[172]	[86]	[162]	[30]	[32]	[5]	[38]	[34]	[40]
352	inch	6.575	3.701	6.181	1.417	1.496	0.256	1.654	2.874	1.654
	[mm]	[167]	[94]	[157]	[36]	[38]	[6.5]	[42]	[73]	[42]
353	inch	6.575	3.701	6.181	1.417	1.496	0.256	1.654	2.874	1.654
	[mm]	[167]	[94]	[157]	[36]	[38]	[6.5]	[42]	[73]	[42]
402	inch	7.441	4.134	7.047	1.654	1.732	0.295	1.909	3.228	1.909
	[mm]	[189]	[105]	[179]	[42]	[44]	[7.5]	[48.5]	[82]	[48.5]
403	inch	7.441	4.134	7.047	1.654	1.732	0.295	1.909	3.228	1.909
	[mm]	[189]	[105]	[179]	[42]	[44]	[7.5]	[48.5]	[82]	[48.5]
502	inch	8.465	4.921	7.992	2.047	2.126	0.335	2.441	3.583	1.969
	[mm]	[215]	[125]	[203]	[52]	[54]	[8.5]	[62]	[91]	[50]
503	inch	8.465	4.921	7.992	2.047	2.126	0.335	2.441	3.583	2.047
	[mm]	[215]	[125]	[203]	[52]	[54]	[8.5]	[62]	[91]	[50]

RFV...S...	252	302	352	402	502	
	253	303	353	403	503	
F	Ft·lb	6.3	10.7	10.7	10.7	10.7
	[Nm]	[8.5]	[14.5]	[14.5]	[14.5]	[14.5]

RFV 252 R...

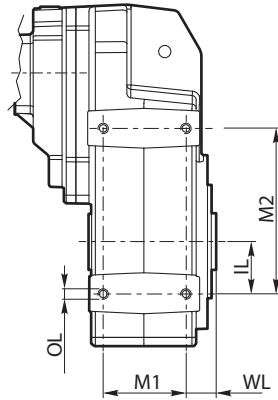
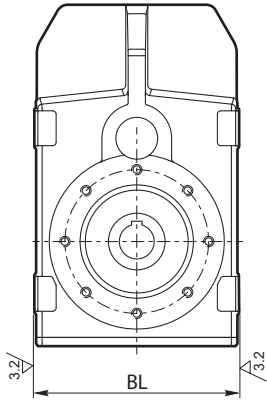


RFV...R...	b3	h3	d3 H6	L3	L4	m3	T	
252	inch	0.250	1.109	1"	1.772	3.012	3/8-16 x 0.87	3.957
	[mm]	[6.35]	[28.17]	[25.4]	[45]	[76.5]		[100.5]
253	inch	0.250	1.109	1"	1.772	3.012	3/8-16 x 0.87	3.957
	[mm]	[6.35]	[28.17]	[25.4]	[45]	[76.5]		[100.5]
302	inch	0.250	1.362	1 1/4"	2.362	3.780	1/2-13 x 1.10	4.724
	[mm]	[6.35]	[34.59]	[31.75]	[60]	[96]		[120]
303	inch	0.250	1.362	1 1/4"	2.362	3.780	1/2-13 x 1.10	4.724
	[mm]	[6.35]	[34.59]	[31.75]	[60]	[96]		[120]
352	inch	0.3125	1.513	1 3/8"	2.362	3.661	1/2-13 x 1.10	4.921
	[mm]	[7.94]	[38.43]	[34.925]	[60]	[93]		[125]
353	inch	0.3125	1.513	1 3/8"	2.362	3.661	1/2-13 x 1.10	4.921
	[mm]	[7.94]	[38.43]	[34.925]	[60]	[93]		[125]
402	inch	0.375	1.791	1 5/8"	3.150	4.429	5/8-11 x 0.42	5.669
	[mm]	[9.525]	[45.49]	[41.275]	[80]	[112.5]		[144]
403	inch	0.375	1.791	1 5/8"	3.150	4.429	5/8-11 x 0.42	5.669
	[mm]	[9.525]	[45.49]	[41.275]	[80]	[112.5]		[144]
502	inch	0.500	2.218	2"	3.937	5.768	3/4-10 x 1.65	6.417
	[mm]	[12.7]	[56.34]	[50.8]	[100]	[146.5]		[163]
503	inch	0.500	2.218	2"	3.937	5.768	3/4-10 x 1.65	6.417
	[mm]	[12.7]	[56.34]	[50.8]	[100]	[146.5]		[163]



Option FL / Opción FL

RFV ... FL

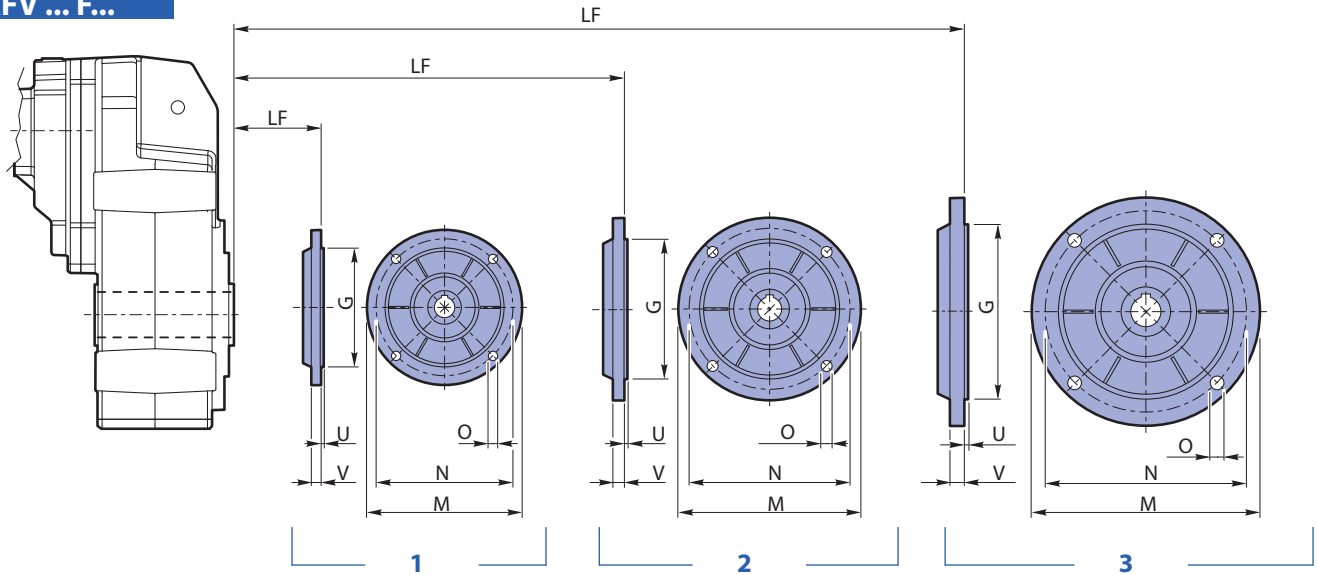


RFV...FL..		BL	M1	OL	WL	M2	IL
252	inch	6.417	2.362	M8x16	0.837	4.528	1.378
	[mm]	[163]	[60]		[21.25]	[115]	[35]
253	inch	6.417	2.362	M8x16	0.837	4.528	1.378
	[mm]	[163]	[60]		[21.25]	[115]	[35]
302	inch	7.126	2.756	M10x20	1.043	5.118	1.575
	[mm]	[181]	[70]		[26.5]	[130]	[40]
303	inch	7.126	2.756	M10x20	1.043	5.118	1.575
	[mm]	[181]	[70]		[26.5]	[130]	[40]
352	inch	7.992	3.150	M12x22	1.181	5.787	1.772
	[mm]	[203]	[80]		[30]	[147]	[45]
353	inch	7.992	3.150	M12x22	1.181	5.787	1.772
	[mm]	[203]	[80]		[30]	[147]	[45]
402	inch	9.252	3.740	M12x22	1.280	7.480	2.362
	[mm]	[235]	[95]		[32.5]	[190]	[60]
403	inch	9.252	3.740	M12x22	1.280	7.480	2.362
	[mm]	[235]	[95]		[32.5]	[190]	[60]
502	inch	10.748	4.331	M14x26	1.378	9.449	2.756
	[mm]	[273]	[110]		[35]	[240]	[70]
503	inch	10.748	4.331	M14x26	1.378	9.449	2.756
	[mm]	[273]	[110]		[35]	[240]	[70]



Output flange / Brida de salida

RFV ... F...



RFV	1							2							3								
	G h8	L	M	N	O	U	V	G h8	L	M	N	O	U	V	G h8	L	M	N	O	U	V		
252	F 160							F 200							F 250								
	inch	4.331	1.240	6.299	5.118	0.354	0.118	0.472	5.118	1.240	7.874	6.496	0.433	0.138	0.472	7.087	1.240	9.843	8.465	0.551	0.157	0.551	
	[mm]	[110]	[31.5]	[160]	[130]	[9]	[3]	[12]	[130]	[31.5]	[200]	[165]	[11]	[3.5]	[12]	[180]	[31.5]	[250]	[215]	[14]	[4]	[14]	
253	F 160							F 200							F 250								
	inch	4.331	1.240	6.299	5.118	0.354	0.118	0.472	5.118	1.240	7.874	6.496	0.433	0.138	0.472	7.087	1.240	9.843	8.465	0.551	0.157	0.551	
	[mm]	[110]	[31.5]	[160]	[130]	[9]	[3]	[12]	[130]	[31.5]	[200]	[165]	[11]	[3.5]	[12]	[180]	[31.5]	[250]	[215]	[14]	[4]	[14]	
302	F 160							F 200							F 250								
	inch	4.331	1.417	6.299	5.118	0.354	0.118	0.472	5.118	1.417	7.874	6.496	0.433	0.138	0.472	7.087	1.417	9.843	8.465	0.551	0.157	0.551	
	[mm]	[110]	[36]	[160]	[130]	[9]	[3]	[12]	[130]	[36]	[200]	[165]	[11]	[3.5]	[12]	[180]	[36]	[250]	[215]	[14]	[4]	[14]	
303	F 160							F 200							F 250								
	inch	4.331	1.417	6.299	5.118	0.354	0.118	0.472	5.118	1.417	7.874	6.496	0.433	0.138	0.472	7.087	1.417	9.843	8.465	0.551	0.157	0.551	
	[mm]	[110]	[36]	[160]	[130]	[9]	[3]	[12]	[130]	[36]	[200]	[165]	[11]	[3.5]	[12]	[180]	[36]	[250]	[215]	[14]	[4]	[14]	
352	F 200							F 250							F 300								
	inch	5.118	1.299	7.874	6.496	0.551	0.157	0.551	7.087	1.299	9.843	8.465	0.551	0.157	0.551	9.055	1.299	11.811	10.433	0.551	0.157	0.551	
	[mm]	130	33	200	165	14	4	14	180	33	250	215	14	4	14	230	33	300	265	14	4	14	
353	F 200							F 250							F 300								
	inch	5.118	1.299	7.874	6.496	0.551	0.157	0.551	7.087	1.299	9.843	8.465	0.551	0.157	0.551	9.055	1.299	11.811	10.433	0.551	0.157	0.551	
	[mm]	[130]	[33]	[200]	[165]	[14]	[4]	[14]	[180]	[33]	[250]	[215]	[14]	[4]	[14]	[230]	[33]	[300]	[265]	[14]	[4]	[14]	
402	F 300							F 350							-								
	inch	9.055	1.280	11.811	10.433	0.551	0.197	0.669	9.843	1.280	13.780	11.811	0.709	0.197	0.669								
	[mm]	[230]	[32.5]	[300]	[265]	[14]	[5]	[17]	[250]	[32.5]	[350]	[300]	[18]	[5]	[17]								
403	F 300							F 350							-								
	inch	9.055	1.280	11.811	10.433	0.551	0.197	0.669	9.843	1.280	13.780	11.811	0.709	0.197	0.669								
	[mm]	[230]	[32.5]	[300]	[265]	[14]	[5]	[17]	[250]	[32.5]	[350]	[300]	[18]	[5]	[17]								
502	F 300							F 350							-								
	inch	9.055	1.831	11.811	10.433	0.551	0.197	0.709	9.843	1.831	13.780	11.811	0.709	0.197	0.709								
	[mm]	[230]	[46.5]	[300]	[265]	[14]	[5]	[18]	[250]	[46.5]	[350]	[300]	[18]	[5]	[18]								
503	F 300							F 350							-								
	inch	9.055	1.831	11.811	10.433	0.551	0.197	0.709	9.843	1.831	13.780	11.811	0.709	0.197	0.709								
	[mm]	[230]	[46.5]	[300]	[265]	[14]	[5]	[18]	[250]	[46.5]	[350]	[300]	[18]	[5]	[18]								



Anti-vibration kit

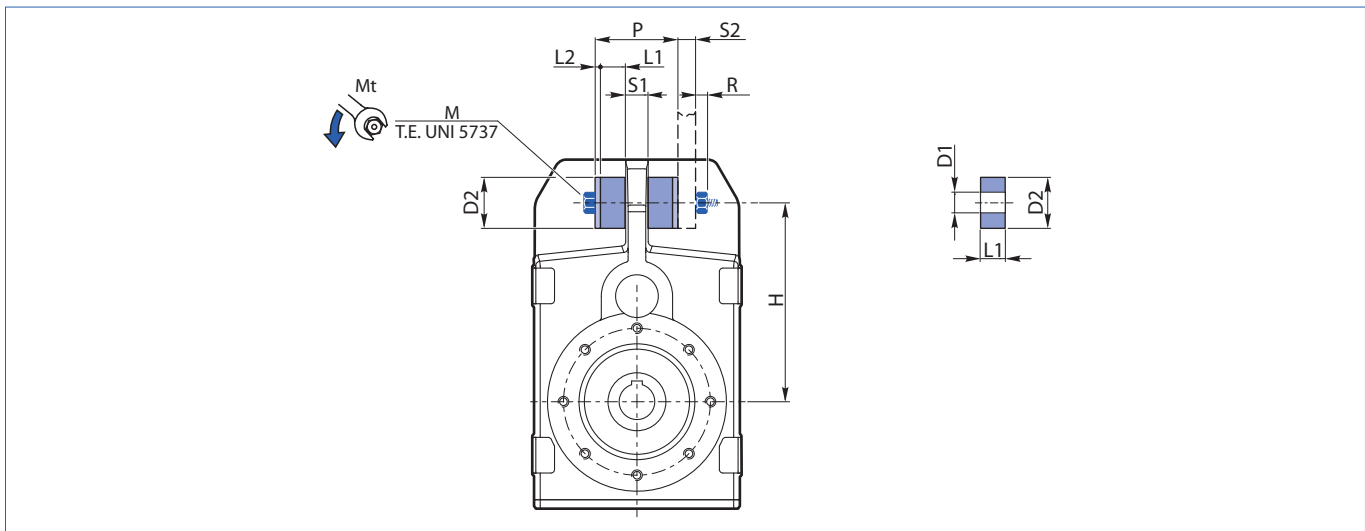
Kit antivibraciones

The RFV series shaft-mounted reducers can be equipped, on request, with an anti-vibration kit that includes the components required for mounting the reducer (reaction arm excluded).

The dimensions are shown in the table below.

Los reductores pendulares de la serie RFV pueden equiparse bajo pedido con un kit antivibrante, que incluye los componentes necesarios para la fijación pendular (excluyendo el brazo de reacción).

Las dimensiones se indican en la tabla siguiente.

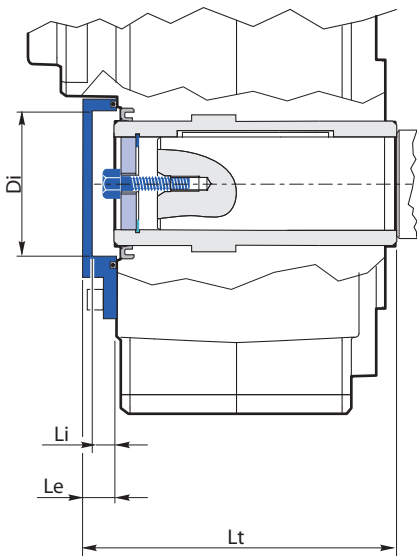
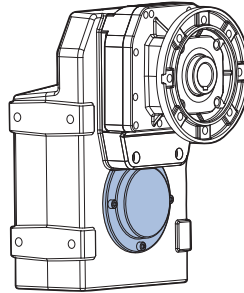


RFV		D1	D2	H	L1	L2	M	P	R	S1	S2 (max)	Mt
252 253	inch	0.433	1.181	5.512	0.591	0.098	M10x80	2.165	0.484	0.787	0.394	7 Ft•lb
	[mm]	[11]	[30]	[140]	[15]	[2.5]		[55]	[12.3]	[20]	[10]	10 Nm
302 303	inch	0.433	1.181	6.299	0.591	0.098	M10x80	2.559	0.583	0.787	0.945	15 Ft•lb
	[mm]	[11]	[30]	[160]	[15]	[2.5]		[65]	[14.8]	[20]	[24]	20 Nm
352 353	inch	0.492	1.575	6.693	0.787	0.098	M12x100	2.165	0.484	0.787	0.394	7 Ft•lb
	[mm]	[12.5]	[40]	[170]	[20]	[2.5]		[55]	[12.3]	[20]	[10]	10 Nm
402 403	inch	0.492	1.575	8.583	0.787	0.098	M12x100	2.559	0.583	0.787	0.787	15 Ft•lb
	[mm]	[12.5]	[40]	[218]	[20]	[2.5]		[65]	[14.8]	[20]	[20]	20 Nm
502 503	inch	0.827	2.362	10.945	1.181	0.197	M20x160	3.543	0.906	0.787	1.850	37 Ft•lb
	[mm]	[21]	[60]	[278]	[30]	[5]		[90]	[23]	[20]	[47]	50 Nm



Sealing cover
Cubierta de sellado

CT



RFV		Di	Li	Le	Lt
252	inch	1.969	0.591	0.787	4.685
253	[mm]	[50]	[15]	[20]	[119]
302	inch	2.165	0.591	0.787	5.433
303	[mm]	[55]	[15]	[20]	[138]
352	inch	2.441	0.591	0.787	5.669
353	[mm]	[62]	[15]	[20]	[144]
402	inch	2.874	0.591	0.787	6.339
403	[mm]	[73]	[15]	[20]	[161]
502	inch	3.543	0.787	0.984	7.283
503	[mm]	[90]	[20]	[25]	[185]


Weights
Pesos

RCV	NEMA	Structural shape / Forma constructiva	
		P	NF
RCV-CV 141	56	5.7 [2.6]	6.2 [2.8]
RCV-CV 191	56 - 140	8.6 [3.9]	9.7 [4.4]
RCV-CV 241	56 - 140	20.7 [9.4]	21.6 [9.8]
RCV-CV 281	140 - 180	39.7 [18]	44.1 [20]
RCV-CV 381	140 - 180 - 210	59.5 [27]	67.2 [30.5]
RCV-CV 162	56	7.1 [3.2]	7.3 [3.3]
RCV-CV 202A	56 - 140	10.4 [4.7]	10.6 [4.8]
RCV-CV 202	56 - 140	19.8 [9]	21.6 [9.8]
RCV-CV 203	56	18.7 [8.5]	19.6 [8.9]
RCV-CV 252A	56 - 140	15.2 [6.9]	15.9 [7.2]
RCV-CV 253A	56	15.0 [6.8]	15.4 [7]
RCV-CV 252	56 - 140	30.4 [13.8]	32.2 [14.6]
RCV-CV 253	56	26.9 [12.2]	29.1 [13.2]
RCV-CV 302A	56 - 140	27.6 [12.5]	27.6 [12.5]
RCV-CV 303A	56 - 140	27.6 [12.5]	27.6 [12.5]
RCV-CV 302	140 - 180	54.0 [24.5]	57.8 [26.2]
RCV-CV 303	56 - 140	51.8 [23.5]	55.6 [25.2]
RCV-CV 352	140 - 180	56.2 [25.5]	60.0 [27.2]
RCV-CV 353	56 - 140	54.0 [24.5]	57.8 [26.2]
RCV-CV 452	140 - 180 - 210	82.7 [37.5]	86.0 [39]
RCV-CV 453	140 - 180	82.7 [37.5]	86.0 [39]
RCV-CV 552	250-280	155.6 [70.6]	149.0 [67.6]
RCV-CV 552	180-210	138.9 [63]	132.3 [60]
RCV-CV 553	140 - 180 - 210	147.7 [67]	141.1 [64]
RCV-CV 582	250 - 280	216.1 [98]	218.3 [99]
RCV-CV 582	180 - 210	198.4 [90]	200.6 [91]
RCV-CV 583	140 - 180 - 210	207.2 [94]	209.4 [95]
RCV-CV 602	280	249.1 [113]	269.0 [122]
RCV-CV 602	180-210-250	244.7 [111]	264.6 [120]
RCV-CV 603	180-210-250	264.6 [120]	284.4 [129]

RFV	NEMA	Structural shape / Forma constructiva	
		H	H+F
RFV 252	56 - 140	23.1 [10.5]	26.5 [12]
RFV 253	56	22.0 [10]	25.4 [11.5]
RFV 302	56 - 140	34.2 [15.5]	37.5 [17]
RFV 303	56	33.1 [15]	36.4 [16.5]
RFV 352	56-140-180	70.5 [32]	86.0 [39]
RFV 353	56 - 140	70.5 [32]	86.0 [39]
RFV 402	140-180-210	104.7 [47.5]	129.0 [58.5]
RFV 403	56 - 140	110.2 [50]	134.5 [61]
RFV 502	250-280	180.8 [82]	207.2 [94]
RFV 502	140-180-210	162.0 [73.5]	188.5 [85.5]
RFV 503	140-180	155.4 [70.5]	181.9 [82.5]

Weight expressed in lb [kg] / Pesos expresada en lb [kg]