

Inverter Model Modelo del Convertidor Modelo do Inversor	Frame Size Tamaño Mecânica	System Impedance + Line Reactor Impedancia de Red + Reactancia de Red Impedância de Rede + Reatância de Rede	Motor Rated Power <sup>(1)</sup> Potencia Nominal del Motor <sup>(1)</sup> Potência Nominal do Motor <sup>(1)</sup>	Considered Inverter Voltage Tension Considerada del Convertidor Tensão Considerada no Inversor	Output Rated Current Corriente Nominal de Salida Corrente Nominal de Saída	Rated Apparent Power <sup>(2)</sup> Potencia Apparente Nominal <sup>(2)</sup> Potência Apparente Nominal <sup>(2)</sup>	Rated Switching Frequency Frecuencia de Conmutación Nominal Frequência de Chaveamento Nominal	Inverter Losses Relative to Inverter Apparent Power ( $S_{r,eq}$ ) Pérdidas del Convertidor Relativas a la Potencia Apparente del Convertidor ( $S_{r,eq}$ ) Perdas do Inversor em Relação à Potência Apparente Nominal do Inversor ( $S_{r,eq}$ )							Standby Power Losses <sup>(4)</sup> Pérdidas en el Modo "Stand by" <sup>(4)</sup> Perdas em Modo "Stand by" <sup>(4)</sup>	Correction Factor to Define Reference CDM Factor de Corrección para Definir el CDM de Referencia Fator de Correção para Definir CDM de Referência	Inverter Efficiency Class <sup>(5)</sup> Clase de Eficiencia del Convertidor <sup>(5)</sup> Clase de Eficiência do Inversor <sup>(5)</sup>	Losses at Rated Load (90, 100) / Reference CDM Losses (IE1) <sup>(6)</sup> Pérdidas en Carga Nominal (90, 100) / Pérdidas de Referencia (IE1) <sup>(6)</sup> Perdas para Carga Nominal (90, 100) / Perdas de Referência (IE1) <sup>(6)</sup>	
								Load 1	Load 2	Load 3	Load 4	Load 5	Load 6	Load 7					Rated Load
								Carga 1	Carga 2	Carga 3	Carga 4	Carga 5	Carga 6	Carga 7					Carga Nominal
								Carga 1	Carga 2	Carga 3	Carga 4	Carga 5	Carga 6	Carga 7					Carga Nominal
		uk	$P_{r,M}=P_N$	$V_{IN,NOM}$	$I_{NOM}$	$S_{r,eq}$	$f_{sw}$	$pL^{(3)}$ (25, 25)	$pL^{(3)}$ (25, 50)	$pL^{(3)}$ (25, 100)	$pL^{(3)}$ (50, 25)	$pL^{(3)}$ (50, 50)	$pL^{(3)}$ (50, 100)	$pL^{(3)}$ (90, 50)	$pL^{(3)}$ (90, 100)	$k_{ef,i}$			
CFW503A01P0T4	A	1 %	0.18 kW	400 Vca	1 A	0.69 kVA	4 kHz	4.0 %	4.0 %	4.2 %	4.0 %	4.1 %	4.3 %	4.1 %	4.4 %	18 W (2.6 %)	-0.1	IE2	0.288
CFW503A01P6T4	A	1 %	0.37 kW	400 Vca	1.6 A	1.11 kVA	4 kHz	2.8 %	2.8 %	3.1 %	2.8 %	2.9 %	3.1 %	2.9 %	3.3 %	18 W (1.6 %)	-0.1	IE2	0.279
CFW503A02P6T4	A	1 %	1.1 kW	400 Vca	2.6 A	1.80 kVA	4 kHz	1.8 %	2.0 %	2.3 %	1.9 %	2.0 %	2.4 %	2.1 %	2.6 %	18 W (1.0 %)	-0.1	IE2	0.274
CFW503A06P1T4	A	1 %	2.2 kW	400 Vca	6.1 A	4.23 kVA	4 kHz	1.2 %	1.4 %	1.8 %	1.2 %	1.4 %	2.0 %	1.6 %	2.3 %	18 W (0.5 %)	-0.1	IE2	0.352
CFW503A08P2T4	A	1 %	3.7 kW	400 Vca	8.2 A	5.68 kVA	4 kHz	1.1 %	1.2 %	1.7 %	1.1 %	1.3 %	1.8 %	1.4 %	2.0 %	18 W (0.4 %)	-0.1	IE2	0.336
CFW503B02P6T4	B	1 %	1.1 kW	400 Vca	2.6 A	1.80 kVA	4 kHz	2.2 %	2.3 %	2.7 %	2.2 %	2.4 %	2.7 %	2.4 %	2.9 %	20 W (1.1 %)	-0.1	IE2	0.303
CFW503B04P3T4	B	1 %	1.5 kW	400 Vca	4.3 A	2.98 kVA	4 kHz	1.6 %	1.7 %	2.1 %	1.6 %	1.8 %	2.2 %	1.9 %	2.4 %	20 W (0.7 %)	-0.1	IE2	0.331
CFW503B10P0T4	B	1 %	4.5 kW	400 Vca	10 A	6.93 kVA	4 kHz	1.1 %	1.3 %	1.8 %	1.1 %	1.3 %	1.9 %	1.5 %	2.2 %	20 W (0.3 %)	-0.1	IE2	0.343
CFW503B14P0T4	B	1 %	5.6 kW	400 Vca	14 A	9.70 kVA	4 kHz	0.8 %	1.0 %	1.6 %	0.9 %	1.1 %	1.7 %	1.2 %	2.1 %	20 W (0.3 %)	-0.1	IE2	0.376
CFW503C16P0T4	C	1 %	7.5 kW	400 Vca	16 A	11.09 kVA	4 kHz	0.8 %	1.0 %	1.5 %	0.8 %	1.0 %	1.7 %	1.2 %	2.0 %	19 W (0.2 %)	-0.1	IE2	0.312
CFW503C18P0T4	C	1 %	7.5 kW	400 Vca	18 A	12.47 kVA	4 kHz	0.8 %	1.0 %	1.5 %	0.8 %	1.0 %	1.7 %	1.2 %	2.1 %	19 W (0.2 %)	-0.1	IE2	0.357
CFW503D32P0T4	D	1 %	15 kW	400 Vca	32 A	22.17 kVA	4 kHz	0.8 %	1.0 %	1.6 %	0.8 %	1.1 %	1.8 %	1.2 %	2.2 %	25 W (0.2 %)	-0.1	IE2	0.433
CFW503D37P1T4	D	2 %	18.5 kW	400 Vca	37.1 A	25.70 kVA	4 kHz	0.8 %	1.0 %	1.6 %	0.8 %	1.0 %	1.7 %	1.2 %	2.0 %	25 W (0.1 %)	0	IE2	0.358
CFW503E45P0T4	E	2 %	22 kW	400 Vca	45 A	31.18 kVA	4 kHz	0.9 %	1.1 %	1.6 %	1.0 %	1.2 %	1.8 %	1.3 %	2.2 %	76 W (0.3 %)	0	IE2	0.355
CFW503E58P5T4	E	2 %	30 kW	400 Vca	58.5 A	40.53 kVA	4 kHz	0.9 %	1.1 %	1.5 %	0.9 %	1.1 %	1.7 %	1.3 %	2.1 %	76 W (0.2 %)	0	IE2	0.365
CFW503F77P0T4	F	2 %	37 kW	400 Vca	77 A	53.35 kVA	4 kHz	0.8 %	0.9 %	1.5 %	0.8 %	1.0 %	1.6 %	1.1 %	1.9 %	48 W (0.1 %)	0	IE2	0.375
CFW503F88P0T4	F	2 %	45 kW	400 Vca	88 A	60.97 kVA	4 kHz	0.7 %	0.9 %	1.5 %	0.7 %	1.0 %	1.6 %	1.1 %	2.0 %	48 W (0.1 %)	0	IE2	0.366
CFW503F0105T4	F	2 %	55 kW	400 Vca	105 A	72.75 kVA	2.5 kHz	0.6 %	0.8 %	1.3 %	0.6 %	0.8 %	1.5 %	1.0 %	1.8 %	48 W (0.1 %)	0	IE2	0.290
CFW503G0142T4	G	4 %	75 kW	400 Vca	142 A	98.38 kVA	2.5 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.9 %	1.5 %	55 W (0.1 %)	0	IE2	0.271
CFW503G0180T4	G	4 %	110 kW	400 Vca	180 A	124.7 kVA	2.5 kHz	0.6 %	0.8 %	1.3 %	0.6 %	0.8 %	1.4 %	0.9 %	1.6 %	55 W (0.1 %)	0	IE2	0.339
CFW503G0211T4	G	4 %	132 kW	400 Vca	211 A	146.2 kVA	2.5 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.9 %	1.5 %	55 W (0.1 %)	0	IE2	0.324
CFW503H0315T4	H	2 %	160 kW	400 Vca	315 A	218.2 kVA	2 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.8 %	1.4 %	72 W (0.1 %)	-0.1	IE2	0.338
CFW503H0370T4	H	2 %	200 kW	400 Vca	370 A	256.3 kVA	2 kHz	0.5 %	0.7 %	1.2 %	0.6 %	0.7 %	1.3 %	0.8 %	1.5 %	72 W (0.1 %)	-0.1	IE2	0.326
CFW503I0480T4	I	2 %	250 kW	400 Vca	480 A	332.6 kVA	2 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.8 %	1.5 %	52 W (0.1 %)	-0.1	IE2	0.333
CFW503I0520T4	I	2 %	280 kW	400 Vca	520 A	360.3 kVA	2 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.9 %	1.5 %	52 W (0.1 %)	-0.1	IE2	0.368
CFW503I0600T4	I	2 %	315 kW	400 Vca	600 A	415.7 kVA	2 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.3 %	0.8 %	1.5 %	52 W (0.1 %)	-0.1	IE2	0.383

## Notes:

- (1) Motor rated power based on the rated output current  $I_{nom}$ .
- (2) Rated apparent power considering input voltage  $V_{in,nom}$  and output current  $I_{nom}$ .
- (3) Operating point (speed, torque). The  $pL$  (90, 100) percentage is marked in the product's Ecodesign label.
- (4) In standby mode no PWM pulses are applied to the motor. The percentage value is relative to  $S_{r,eq}$ .
- (5) The Efficiency Class is marked in the product's Ecodesign label.
- (6) Relative losses at nominal point (90, 100) were used to compare with IE1 CDM according to IEC 61800-9-2 (2023).

## Notas:

- (1) Potencia nominal del motor basada en la corriente de salida nominal  $I_{nom}$ .
- (2) Potencia aparente nominal considerando la tension de entrada  $V_{in,nom}$  y corriente de salida  $I_{nom}$ .
- (3) Punto de operación (velocidad, torque). El porcentaje  $pL$  (90, 100) está marcado en la etiqueta "Ecodesign" del producto.
- (4) En el modo "stand by" no se aplican pulsos PWM al motor. El valor porcentual es relativo a la potencia  $S_{r,eq}$ .
- (5) La Clase de Eficiencia está marcada en la etiqueta "Ecodesign" del producto.
- (6) Pérdidas relativas en el punto nominal (90, 100) usados para comparar con IE1 de acuerdo con IEC 61800-9-2 (2023).

## Notas:

- (1) Potencia nominal do motor baseada na corrente nominal de saída  $I_{nom}$ .
- (2) Potencia aparente nominal considerando tensão de entrada  $V_{in,nom}$  e corrente de saída  $I_{nom}$ .
- (3) Ponto de operação (velocidade, torque). O percentual  $pL$  (90, 100) está presente na etiqueta "Ecodesign" do produto.
- (4) Em modo "stand by" não são aplicados pulsos PWM ao motor. O valor porcentual é relativo à potência  $S_{r,eq}$ .
- (5) A Classe de Eficiência está presente na etiqueta "Ecodesign" do produto.
- (6) Perdas relativas ao ponto nominal (90, 100) em comparação à um CDM IE1 conforme IEC 61800-9-2 (2023).