

Inverter Model Modelo del Convertidor Modelo do Inversor	Frame Size Tamaño Mecânica	Motor Rated Power <sup>(1)</sup>	Considered Inverter Voltage	Output Rated Current	Rated Apparent Power <sup>(2)</sup>	Rated Switching Frequency	Inverter Losses Relative to Inverter Apparent Power (S <sub>r,eq</sub> )								Standby Power Losses <sup>(4)</sup>	Inverter Efficiency Class <sup>(5)</sup>	Losses at Rated Load (90, 100) / Reference CDM Losses (IE1) <sup>(6)</sup>
		Potencia Nominal del Motor <sup>(1)</sup>	Tension Considerada del Convertidor	Corriente Nominal de Salida	Potencia Aparente Nominal <sup>(2)</sup>	Frecuencia de Conmutación Nominal	Pérdidas del Convertidor Relativas a la Potencia Aparente del Convertidor (S <sub>r,eq</sub> )										
		Potência Nominal do Motor <sup>(1)</sup>	Tensão Considerada no Inversor	Corrente Nominal de Saída	Potência Aparente Nominal <sup>(2)</sup>	Frequência de Chaveamento Nominal	Perdas do Inversor em Relação à Potência Aparente Nominal do Inversor (S <sub>r,eq</sub> )										
		P <sub>r,M</sub> =P <sub>N</sub>	V <sub>IN,NOM</sub>	I <sub>NOM</sub>	S <sub>r,eq</sub>	f <sub>sw</sub>	Load 1 Carga 1	Load 2 Carga 2	Load 3 Carga 3	Load 4 Carga 4	Load 5 Carga 5	Load 6 Carga 6	Load 7 Carga 7	Rated Load Carga Nominal			
						pL <sup>(3)</sup> (0, 25)	pL <sup>(3)</sup> (0, 50)	pL <sup>(3)</sup> (0, 100)	pL <sup>(3)</sup> (50, 25)	pL <sup>(3)</sup> (50, 50)	pL <sup>(3)</sup> (50, 100)	pL <sup>(3)</sup> (90, 50)	pL <sup>(3)</sup> (90, 100)				
CFW500A01P6S2	A	0.25 kW	230 V	1.6 A	0.64 kVA	5 kHz	4.9 %	5.0 %	5.2 %	5.0 %	5.1 %	5.4 %	5.2 %	5.7 %	19 W (3.0 %)	IE2	0.306
CFW500A02P6S2	A	0.55 kW	230 V	2.6 A	1.04 kVA	5 kHz	3.4 %	3.4 %	3.7 %	3.5 %	3.6 %	3.9 %	3.7 %	4.3 %	19 W (1.9 %)	IE2	0.307
CFW500A04P3S2	A	1.1 kW	230 V	4.3 A	1.71 kVA	5 kHz	2.2 %	2.4 %	2.8 %	2.3 %	2.5 %	3.1 %	2.7 %	3.6 %	19 W (1.2 %)	IE2	0.326
CFW500A07P0S2	A	1.5 kW	230 V	7 A	2.79 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.7 %	2.0 %	2.6 %	2.2 %	3.1 %	19 W (0.7 %)	IE2	0.361
CFW500B07P3S2	B	1.5 kW	230 V	7.3 A	2.91 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.7 %	2.0 %	2.7 %	2.2 %	3.2 %	20 W (0.7 %)	IE2	0.384
CFW500B10P0S2	B	2.2 kW	230 V	10 A	3.98 kVA	5 kHz	1.4 %	1.6 %	2.0 %	1.5 %	1.8 %	2.4 %	2.0 %	2.9 %	20 W (0.5 %)	IE2	0.382
CFW500A01P6B2	A	0.25 kW	230 V	1.6 A	0.64 kVA	5 kHz	5.0 %	5.0 %	5.2 %	5.0 %	5.1 %	5.5 %	5.2 %	5.8 %	19 W (3.0 %)	IE2	0.311
CFW500A02P6B2	A	0.55 kW	230 V	2.6 A	1.04 kVA	5 kHz	3.4 %	3.5 %	3.7 %	3.5 %	3.6 %	4.0 %	3.8 %	4.4 %	19 W (1.9 %)	IE2	0.314
CFW500A04P3B2	A	1.1 kW	230 V	4.3 A	1.71 kVA	5 kHz	2.2 %	2.4 %	2.8 %	2.3 %	2.6 %	3.2 %	2.8 %	3.8 %	19 W (1.2 %)	IE2	0.338
CFW500B07P3B2	B	1.5 kW	230 V	7.3 A	2.91 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.7 %	2.0 %	2.7 %	2.2 %	3.2 %	20 W (0.7 %)	IE2	0.384
CFW500B10P0B2	B	2.2 kW	230 V	10 A	3.98 kVA	5 kHz	1.4 %	1.6 %	2.0 %	1.5 %	1.8 %	2.4 %	2.0 %	2.9 %	20 W (0.5 %)	IE2	0.382
CFW500A07P0T2	A	1.5 kW	230 V	7 A	2.79 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.7 %	2.0 %	2.6 %	2.2 %	3.0 %	19 W (0.7 %)	IE2	0.346
CFW500A09P6T2	A	2.2 kW	230 V	9.6 A	3.82 kVA	4 kHz	1.4 %	1.6 %	2.0 %	1.5 %	1.7 %	2.4 %	2.0 %	3.0 %	19 W (0.5 %)	IE2	0.380
CFW500B16P0T2	B	4 kW	230 V	16 A	6.37 kVA	5 kHz	1.2 %	1.3 %	1.7 %	1.2 %	1.4 %	2.0 %	1.6 %	2.3 %	20 W (0.4 %)	IE2	0.299
CFW500C24P0T2	C	5.5 kW	230 V	24 A	9.56 kVA	4 kHz	0.8 %	1.0 %	1.5 %	0.9 %	1.1 %	1.9 %	1.3 %	2.3 %	19 W (0.2 %)	IE2	0.371
CFW500D28P0T2	D	7.5 kW	230 V	28 A	11.15 kVA	5 kHz	0.9 %	1.1 %	1.6 %	0.9 %	1.2 %	1.9 %	1.3 %	2.3 %	14 W (0.2 %)	IE2	0.319
CFW500D33P0T2	D	9.2 kW	230 V	33 A	13.15 kVA	5 kHz	0.8 %	1.0 %	1.5 %	0.9 %	1.1 %	1.9 %	1.3 %	2.3 %	14 W (0.2 %)	IE2	0.376
CFW500D47P0T2	D	11 kW	230 V	47 A	18.72 kVA	5 kHz	0.9 %	1.1 %	1.7 %	0.9 %	1.2 %	2.0 %	1.4 %	2.5 %	14 W (0.1 %)	IE2	0.450
CFW500E56P0T2	E	15 kW	230 V	56 A	22.31 kVA	5 kHz	1.2 %	1.4 %	1.9 %	1.2 %	1.5 %	2.2 %	1.6 %	2.6 %	76 W (0.4 %)	IE2	0.473
CFW500F77P0T2	F	22 kW	230 V	77 A	30.67 kVA	4 kHz	1.0 %	1.2 %	1.9 %	1.1 %	1.4 %	2.4 %	1.6 %	2.8 %	40 W (0.2 %)	IE2	0.455
CFW500F88P0T2	F	22 kW	230 V	88 A	35.06 kVA	4 kHz	0.9 %	1.2 %	2.0 %	1.0 %	1.4 %	2.4 %	1.6 %	2.9 %	40 W (0.2 %)	IE2	0.528
CFW500F0105T2	F	30 kW	230 V	105 A	41.83 kVA	2.5 kHz	0.8 %	1.0 %	1.7 %	0.9 %	1.2 %	2.1 %	1.4 %	2.6 %	40 W (0.1 %)	IE2	0.465
CFW500G0145T2	G	45 kW	230 V	145 A	57.76 kVA	2.5 kHz	0.8 %	1.0 %	1.7 %	0.8 %	1.2 %	2.1 %	1.3 %	2.6 %	55 W (0.1 %)	IE2	0.460
CFW500G0180T2	G	55 kW	230 V	180 A	71.71 kVA	2.5 kHz	0.8 %	1.1 %	1.8 %	0.9 %	1.2 %	2.1 %	1.4 %	2.6 %	55 W (0.1 %)	IE2	0.416
CFW500G0211T2	G	55 kW	230 V	211 A	84.06 kVA	2.5 kHz	0.8 %	1.0 %	1.7 %	0.9 %	1.2 %	2.0 %	1.3 %	2.5 %	55 W (0.1 %)	IE2	0.475
CFW500A01P0T4	A	0.37 kW	400 V	1 A	0.69 kVA	5 kHz	4.7 %	4.7 %	4.9 %	4.7 %	4.8 %	5.0 %	4.8 %	5.2 %	18 W (2.6 %)	IE2	0.303
CFW500A01P6T4	A	0.55 kW	400 V	1.6 A	1.11 kVA	5 kHz	3.2 %	3.3 %	3.5 %	3.3 %	3.3 %	3.6 %	3.4 %	3.8 %	18 W (1.6 %)	IE2	0.292
CFW500A02P6T4	A	1.1 kW	400 V	2.6 A	1.80 kVA	5 kHz	2.1 %	2.3 %	2.6 %	2.2 %	2.4 %	2.8 %	2.5 %	3.0 %	18 W (1.0 %)	IE2	0.287
CFW500A04P3T4	A	1.5 kW	400 V	4.3 A	2.98 kVA	5 kHz	1.6 %	1.7 %	2.1 %	1.6 %	1.8 %	2.4 %	2.0 %	2.7 %	18 W (0.6 %)	IE2	0.331
CFW500A06P1T4	A	3 kW	400 V	6.1 A	4.23 kVA	5 kHz	1.3 %	1.5 %	1.9 %	1.4 %	1.6 %	2.1 %	1.7 %	2.3 %	18 W (0.5 %)	IE2	0.323
CFW500B02P6T4	B	1.1 kW	400 V	2.6 A	1.80 kVA	5 kHz	2.3 %	2.4 %	2.8 %	2.3 %	2.5 %	2.9 %	2.6 %	3.2 %	20 W (1.1 %)	IE2	0.301
CFW500B04P3T4	B	1.5 kW	400 V	4.3 A	2.98 kVA	5 kHz	1.7 %	1.8 %	2.2 %	1.7 %	1.9 %	2.4 %	2.0 %	2.8 %	20 W (0.7 %)	IE2	0.342
CFW500B06P5T4	B	3 kW	400 V	6.5 A	4.50 kVA	5 kHz	1.3 %	1.5 %	1.9 %	1.4 %	1.6 %	2.1 %	1.7 %	2.4 %	20 W (0.5 %)	IE2	0.281
CFW500B10P0T4	B	4 kW	400 V	10 A	6.93 kVA	5 kHz	1.2 %	1.3 %	1.7 %	1.2 %	1.4 %	1.9 %	1.5 %	2.2 %	20 W (0.3 %)	IE2	0.315
CFW500C14P0T4	C	5.5 kW	400 V	14 A	9.70 kVA	5 kHz	0.9 %	1.1 %	1.6 %	1.0 %	1.2 %	1.8 %	1.3 %	2.3 %	19 W (0.2 %)	IE2	0.372

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## Notes:

- (1) Motor rated power based on the rated output current Inom.
- (2) Rated apparent power considering input voltage Vin,nom and output current Inom.
- (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 Sr,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.

## Notas:

- (1) Potencia nominal del motor basada en la corriente de salida nominal Inom.
- (2) Potencia aparente nominal considerando la tensión de entrada Vin,nom y corriente de salida Inom.
- (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 Sr,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.

## Notas:

- (1) Potencia nominal do motor baseada na corrente nominal de saída Inom.
- (2) Potência aparente nominal considerando tensão de entrada Vin,nom e corrente de saída Inom.
- (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 Sr,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.

Inverter Model Modelo del Convertidor Modelo do Inversor	Frame Size Tamaño Mecânica	Motor Rated Power <sup>(1)</sup>	Considered Inverter Voltage	Output Rated Current	Rated Apparent Power <sup>(2)</sup>	Rated Switching Frequency	Inverter Losses Relative to Inverter Apparent Power (S <sub>r,eq</sub> )								Standby Power Losses <sup>(4)</sup>	Inverter Efficiency Class <sup>(5)</sup>	Losses at Rated Load (90, 100) / Reference CDM Losses (IE1) <sup>(6)</sup>
		Potencia Nominal del Motor <sup>(1)</sup>	Tension Considerada del Convertidor	Corriente Nominal de Salida	Potencia Aparente Nominal <sup>(2)</sup>	Frecuencia de Conmutación Nominal	Pérdidas del Convertidor Relativas a la Potencia Aparente del Convertidor (S <sub>r,eq</sub> )										
		Potência Nominal do Motor <sup>(1)</sup>	Tensão Considerada no Inversor	Corrente Nominal de Saída	Potência Aparente Nominal <sup>(2)</sup>	Frequência de Chaveamento Nominal	Perdas do Inversor em Relação à Potência Aparente Nominal do Inversor (S <sub>r,eq</sub> )										
		P <sub>r,M</sub> =P <sub>N</sub>	V <sub>IN,NOM</sub>	I <sub>NOM</sub>	S <sub>r,eq</sub>	f <sub>sw</sub>	Load 1 Carga 1	Load 2 Carga 2	Load 3 Carga 3	Load 4 Carga 4	Load 5 Carga 5	Load 6 Carga 6	Load 7 Carga 7	Rated Load Carga Nominal			
						pL <sup>(3)</sup> (0, 25)	pL <sup>(3)</sup> (0, 50)	pL <sup>(3)</sup> (0, 100)	pL <sup>(3)</sup> (50, 25)	pL <sup>(3)</sup> (50, 50)	pL <sup>(3)</sup> (50, 100)	pL <sup>(3)</sup> (90, 50)	pL <sup>(3)</sup> (90, 100)				
CFW500C16P0T4	C	7.5 kW	400 V	16 A	11.09 kVA	5 kHz	0.9 %	1.0 %	1.5 %	0.9 %	1.1 %	1.8 %	1.3 %	2.3 %	19 W (0.2 %)	IE2	0.322
CFW500D24P0T4	D	11 kW	400 V	24 A	16.63 kVA	5 kHz	0.9 %	1.0 %	1.5 %	0.9 %	1.1 %	1.8 %	1.3 %	2.2 %	25 W (0.2 %)	IE2	0.348
CFW500D31P0T4	D	15 kW	400 V	31 A	21.48 kVA	5 kHz	0.8 %	1.0 %	1.5 %	0.9 %	1.1 %	1.8 %	1.2 %	2.2 %	25 W (0.2 %)	IE2	0.377
CFW500E39P0T4	E	18.5 kW	400 V	39 A	27.02 kVA	5 kHz	1.0 %	1.2 %	1.7 %	1.1 %	1.3 %	2.0 %	1.5 %	2.5 %	76 W (0.3 %)	IE2	0.477
CFW500E49P0T4	E	22 kW	400 V	49 A	33.95 kVA	5 kHz	1.0 %	1.2 %	1.6 %	1.1 %	1.3 %	2.0 %	1.5 %	2.5 %	76 W (0.3 %)	IE2	0.442
CFW500F77P0T4	F	37 kW	400 V	77 A	53.35 kVA	4 kHz	0.7 %	0.9 %	1.3 %	0.8 %	1.0 %	1.6 %	1.1 %	1.9 %	40 W (0.1 %)	IE2	0.372
CFW500F88P0T4	F	45 kW	400 V	88 A	60.97 kVA	4 kHz	0.6 %	0.8 %	1.3 %	0.7 %	0.9 %	1.6 %	1.1 %	2.0 %	40 W (0.1 %)	IE2	0.360
CFW500F0105T4	F	55 kW	400 V	105 A	72.75 kVA	2.5 kHz	0.5 %	0.7 %	1.1 %	0.6 %	0.8 %	1.4 %	1.0 %	1.7 %	40 W (0.1 %)	IE2	0.272
CFW500G0142T4	G	75 kW	400 V	142 A	98.38 kVA	2.5 kHz	0.6 %	0.7 %	1.1 %	0.6 %	0.8 %	1.4 %	0.9 %	1.7 %	55 W (0.1 %)	IE2	0.312
CFW500G0180T4	G	90 kW	400 V	180 A	124.7 kVA	2.5 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.4 %	0.9 %	1.7 %	55 W (0.1 %)	IE2	0.360
CFW500G0211T4	G	110 kW	400 V	211 A	146.2 kVA	2.5 kHz	0.6 %	0.7 %	1.2 %	0.6 %	0.8 %	1.4 %	0.9 %	1.6 %	55 W (0.1 %)	IE2	0.347
CFW500C01P7T5	C	0.75 kW	525 V	1.7 A	1.55 kVA	5 kHz	3.6 %	3.7 %	4.0 %	3.6 %	3.8 %	4.1 %	3.9 %	4.3 %	26 W (1.7 %)	IE2	0.404
CFW500C03P0T5	C	1.5 kW	525 V	3 A	2.73 kVA	5 kHz	2.3 %	2.4 %	2.7 %	2.3 %	2.5 %	2.9 %	2.6 %	3.1 %	26 W (1.0 %)	IE2	0.351
CFW500C04P3T5	C	2.2 kW	525 V	4.3 A	3.91 kVA	5 kHz	1.8 %	1.9 %	2.2 %	1.8 %	2.0 %	2.4 %	2.1 %	2.6 %	26 W (0.7 %)	IE2	0.329
CFW500C07P0T5	C	4 kW	525 V	7 A	6.37 kVA	5 kHz	1.3 %	1.5 %	1.8 %	1.4 %	1.6 %	2.0 %	1.7 %	2.2 %	26 W (0.5 %)	IE2	0.291
CFW500C10P0T5	C	5.5 kW	525 V	10 A	9.09 kVA	5 kHz	1.0 %	1.2 %	1.6 %	1.0 %	1.2 %	1.8 %	1.4 %	2.2 %	26 W (0.3 %)	IE2	0.339
CFW500C12P0T5	C	7.5 kW	525 V	12 A	10.91 kVA	5 kHz	0.9 %	1.1 %	1.6 %	1.0 %	1.2 %	1.8 %	1.3 %	2.2 %	26 W (0.3 %)	IE2	0.305

## Notes:

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- (2) Rated apparent power considering input voltage Vin,nom and output current Inom.
- (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 Sr,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.

## Notas:

- (1) Potência nominal del motor basada en la corriente de salida nominal Inom.
- (2) Potência aparente nominal considerando la tension de entrada Vin,nom y corriente de salida Inom.
- (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 Sr,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.

## Notas:

- (1) Potência nominal do motor baseada na corrente nominal de saída Inom.
- (2) Potência aparente nominal considerando tensão de entrada Vin,nom e corrente de saída Inom.
- (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 Sr,eq.
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