

# CFW500 IP66

ECODESIGN INFORMATION ACCORDING TO IEC 61800-9 - COMMISSION REGULATION (EU) 2019/1781

INFORMACIONES "ECODESIGN" DE ACUERDO CON LA IEC 61800-9 - DIRECTIVA EUROPEA "ECODESIGN" 2019/1781

INFORMAÇÕES "ECODESIGN" DE ACORDO COM A IEC 61800-9 - DIRETIVA EUROPEIA "ECODESIGN" 2019/1781



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)				
CFW500A01P6S2DB66	A	0.25 kW	230 V	1.6 A	0.64 kVA	5 kHz	5.3 %	5.3 %	5.6 %	5.4 %	5.4 %	5.8 %	5.6 %	6.0 %	20 W (3.1 %)	IE2	0.326
CFW500A02P6S2DB66	A	0.55 kW	230 V	2.6 A	1.04 kVA	5 kHz	3.6 %	3.6 %	3.9 %	3.7 %	3.8 %	4.1 %	3.9 %	4.5 %	20 W (2.0 %)	IE2	0.322
CFW500A04P3S2DB66	A	1.1 kW	230 V	4.3 A	1.71 kVA	5 kHz	2.3 %	2.5 %	2.9 %	2.4 %	2.6 %	3.2 %	2.8 %	3.7 %	20 W (1.2 %)	IE2	0.333
CFW500A07P3S2DB66	A	1.5 kW	230 V	7.3 A	2.91 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.8 %	2.0 %	2.7 %	2.2 %	3.1 %	20 W (0.7 %)	IE2	0.379
CFW500A10P0S2DB66	A	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	0.375
CFW500A01P6B2DB66	A	0.25 kW	230 V	1.6 A	0.64 kVA	5 kHz	5.3 %	5.3 %	5.6 %	5.4 %	5.4 %	5.8 %	5.6 %	6.0 %	20 W (3.1 %)	IE2	0.326
CFW500A02P6B2DB66	A	0.55 kW	230 V	2.6 A	1.04 kVA	5 kHz	3.6 %	3.6 %	3.9 %	3.7 %	3.8 %	4.1 %	3.9 %	4.5 %	20 W (2.0 %)	IE2	0.322
CFW500A04P3B2DB66	A	1.1 kW	230 V	4.3 A	1.71 kVA	5 kHz	2.3 %	2.5 %	2.9 %	2.4 %	2.6 %	3.2 %	2.8 %	3.7 %	20 W (1.2 %)	IE2	0.333
CFW500A07P3B2DB66	A	1.5 kW	230 V	7.3 A	2.91 kVA	5 kHz	1.7 %	1.9 %	2.3 %	1.8 %	2.0 %	2.7 %	2.2 %	3.1 %	20 W (0.7 %)	IE2	0.379
CFW500A10P0B2DB66	A	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	0.375
CFW500A16P0T2DB66	A	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	0.297
CFW500B24P0T2DB66	B	5.5 kW	230 V	24 A	9.56 kVA	4 kHz	0.8 %	1.0 %	1.6 %	0.9 %	1.1 %	1.9 %	1.3 %	2.3 %	19 W (0.2 %)	IE2	0.368
CFW500B28P0T2DB66	B	7.5 kW	230 V	28 A	11.15 kVA	5 kHz	1.0 %	1.1 %	1.7 %	1.0 %	1.3 %	1.9 %	1.4 %	2.3 %	14 W (0.2 %)	IE2	0.327
CFW500B33P0T2DB66	B	9.2 kW	230 V	33 A	13.15 kVA	5 kHz	0.9 %	1.1 %	1.6 %	1.0 %	1.2 %	1.9 %	1.4 %	2.3 %	14 W (0.2 %)	IE2	0.384
CFW500C47P0T2DB66	C	11 kW	230 V	47 A	18.72 kVA	5 kHz	0.8 %	1.0 %	1.6 %	0.8 %	1.1 %	1.9 %	1.3 %	2.4 %	21 W (0.2 %)	IE2	0.431
CFW500C56P0T2DB66	C	18.5 kW	230 V	70 A	27.89 kVA	5 kHz	1.0 %	1.2 %	1.8 %	1.0 %	1.3 %	2.0 %	1.4 %	2.4 %	52 W (0.2 %)	IE2	0.458
CFW500A01P0T4DB66	A	0.37 kW	400 V	1 A	0.69 kVA	5 kHz	5.1 %	5.1 %	5.3 %	5.2 %	5.2 %	5.5 %	5.3 %	5.6 %	20 W (2.9 %)	IE2	0.328
CFW500A01P6T4DB66	A	0.55 kW	400 V	1.6 A	1.11 kVA	5 kHz	3.5 %	3.6 %	3.8 %	3.6 %	3.6 %	3.9 %	3.7 %	4.1 %	20 W (1.8 %)	IE2	0.313
CFW500A02P6T4DB66	A	1.1 kW	400 V	2.6 A	1.80 kVA	5 kHz	2.3 %	2.4 %	2.8 %	2.3 %	2.5 %	3.0 %	2.6 %	3.2 %	20 W (1.1 %)	IE2	0.301
CFW500A04P3T4DB66	A	1.5 kW	400 V	4.3 A	2.98 kVA	5 kHz	1.7 %	1.8 %	2.2 %	1.7 %	1.9 %	2.5 %	2.1 %	2.8 %	20 W (0.7 %)	IE2	0.342
CFW500A06P5T4DB66	A	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	0.280
CFW500A10P0T4DB66	A	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	0.313
CFW500B14P0T4DB66	B	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 %	2.1 %	19 W (0.2 %)	IE2	0.350
CFW500B16P0T4DB66	B	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 %	2.2 %	19 W (0.2 %)	IE2	0.301
CFW500B24P0T4DB66	B	11 kW	400 V	24 A	16.63 kVA	5 kHz	0.9 %	1.1 %	1.5 %	1.0 %	1.2 %	1.8 %	1.3 %	2.2 %	25 W (0.2 %)	IE2	0.348
CFW500B31P0T4DB66	B	15 kW	400 V	31 A	21.48 kVA	5 kHz	0.8 %	1.0 %	1.5 %	0.9 %	1.1 %	1.7 %	1.2 %	2.1 %	25 W (0.2 %)	IE2	0.372
CFW500C39P0T4DB66	C	22 kW	400 V	45 A	31.18 kVA	5 kHz	0.9 %	1.1 %	1.5 %	1.0 %	1.2 %	1.9 %	1.4 %	2.5 %	52 W (0.2 %)	IE2	0.405
CFW500C49P0T4DB66	C	30 kW	400 V	58.5 A	40.53 kVA	5 kHz	0.9 %	1.0 %	1.5 %	0.9 %	1.2 %	1.8 %	1.3 %	2.2 %	52 W (0.2 %)	IE2	0.379
CFW500B01P7T5DB66	B	0.75 kW	525 V	1.7 A	1.55 kVA	5 kHz	3.6 %	3.7 %	4.0 %	3.7 %	3.8 %	4.2 %	3.9 %	4.3 %	26 W (1.7 %)	IE2	0.405
CFW500B03P0T5DB66	B	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
CFW500B04P3T5DB66	B	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	0.328
CFW500B07P0T5DB66	B	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	0.289
CFW500B10P0T5DB66	B	5.5 kW	525 V	10 A	9.09 kVA	5 kHz	1.0 %	1.2 %	1.6 %	1.0 %	1.3 %	1.8 %	1.4 %	2.2 %	26 W (0.3 %)	IE2	0.337
CFW500B12P0T5DB66	B	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	0.303

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) Potência nominal del motor basada en la corriente de salida nominal Inom.
- (2) Potencia 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.
- (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.