

	Main Featur	res				
	Reference Product code Product line	: EUCFW110795T4OYZ : 13107476 : CFW11				
Basic data Power supply Input minimum-maximum vol Number of phases	tage	: 380- : 323-				
Input Output		: 3 : 3				
Supply voltage range			480 V	38	0-480 V	
Overload regime		Normal (ND)	Heavy (HD)	Normal (ND)	Heavy (HD)	
Rated current		795A	637			
Overload current at 60 s		875A	956A			
Overload current at 3 s		1193A	1274.0			
Maximum applicat						
Voltage/Freque	ency	NerrelO	Power (HP			
0001// 5011		Normal Overload	(ND)		erload (HD)	
380V / 50H;		550 / 400			/ 315	
380V / 60H; 400V / 50H;		550 / 400			/ 330	
400V / 50H2 400V / 60H2		610 / 450			/ 355	
400V / 60H2 440V / 50H2			550 / 400		450 / 330	
440V / 50H2 440V / 60H2		700 / 515	700 / 515		550 / 400	
460V / 60Hz		700 / 515		550 / 400		
480V / 60H2 480V / 60H2		700 / 515			/ 400	
RFI internal filter [3] External filter Link Inductor Memory card USB port Line frequency Line frequency range (minimi Phase unbalance Transient voltage and overvoo Rated current of single-phase - Overload (ND) - Overload (HD) Rated current of three-phase - Overload (HD) Power factor Displacement factor Rated efficiency Maximum connections (power DC power supply Standard switching frequency - Overload HD Selectable switching frequency Real-time clock	litage e input input er up cycles - on/off) per h	E Not a E Not a E Not a E Not a E Not a E Not a E Stan E 50/60 E 48-60 E Less E Cate E E 637/A E 0.94 E 0.94	2 Hz or equal to 3% of gory III % % allow z		e	
COPY Function Dissipated power: Mounting type	0		by HMI/MMF	Overload (*)	
	ND	HD		ND	HD	
Surface	9851 W	7824 W		applicable	Not applicable	
Flange	755 W	747 W	Not	applicable	Not applicable	
Source available to the	user	_ ···				
Output voltage Maximum capacity		: 24 V : 500 i				



Control/performance d	ata		
Power supply		: Switched-mode power supply	
Control method Encoder interface		: V/f, VVW, Vector and PM motor	
Control output frequency		: Only with 'Slot 2' accessory : 0 to 300 Hz	
Frequency resolution		: Equivalent to 1 rpm	
V/F Control		, - r	
 Speed resolution 		: 1% of rated speed	
- Speed range		: 1:20	
VVW Control		· 10/ of rotod around	
 Speed resolution Speed range 		: 1% of rated speed : 1:30	
Sensorless vector control		. 1.50	
- Speed resolution		: 0,5% of rated speed	
- Speed range		: 1:100	
Vector control with encoder			
- Speed resolution		: 0,05% of rated speed	
- Speed range		: Up to 0 rpm	
Analog inputs			
Quantity (standard)		2 : 0 10/ 0/4 20mA and 10 \pm 10/	
_evels mpedance		: 0-10V, 0/4-20mA and -10-+10V	
- Impedance for voltage inp	ıt	: 400 kΩ	
- Impedance for current inpl		: 500 Ω	
	-	: Programmable	
Maximum allowed voltage		: ±30 Vcc	
Digital inputs			
Digital inputs - Quantity (sta	ndard)	: 6	
Activation	·	: Active low and high	
Maximum low level		: 3 V	
Minimum high level		: 18 V	
Input current		: 11 mA	
Maximum input current		: 13,5 mA : Programmable	
⁻ unction Vaximum allowed voltage		: Programmable : 30 Vcc	
•			
Analog outputs Analogic outputs - Quantity	(standard)	: 2	
Analogic outputs - Quantity	(stanuaru)	: 2 : 0 to 10V, 0 to 20mA and 4 to 20mA	
RL for voltage output		: 10 kΩ	
RL for current output		: 500 Ω	
Function		: Programmable	
Digital outputs			
Digital outputs - Quantity (st	andard)	: 3 NO/NC relays	
Maximum voltage		: 240 Vca	
Maximum current		: 1 A	
Function		: Programmable	
Communication			
 Modbus/TCP (with access) Profibus DP (with access) Profibus DPV1 (with access) Profinet (with accessory: F CANopen (with accessory) DeviceNet (with accessory) EtherNet/IP (with accessory) EtherCAT (with accessory) 	ry: PROFDP-05) sory: PROFIBUS DP-01) ROFINETIO-05) CAN/RS485-01 or CAN-01) : DEVICENET-05; CAN/RS485-01 or C y: ETHERNET/IP-05 or ETHERNETIP-	CAN-01)	
	-0+00+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0		
Protections available - Output overcurrent/short c - Power supply phase loss	rcuit		
 Under/Overvoltage in pow Overtemperature 	5L		
- Motor overload - IGBT's modules overload			
- Fault/External alarm - Breaking resistor overload			
- CPU or memory failure - Output phase-ground shor	t circuit		
Operation interface (HM			
Avaliability	,	: Included in the product	
Installation		: Local	
Number of HMI buttons		: 9	
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27/03/2020	values. Subject to	change without notice.	1 aye 2/4



lative humidity (non-condensing) linimum lavimum		: 5%	
,		: 5% : 90%	
ated conditions laximum altitude allowed for operation		: 1000 m (3281 ft) : 4000 m (13123 ft)	
rrent Reduction factor[6] urrent derating factor (for altitudes above oltage derating factor (for altitudes above	,	: 1% for each 100 m a : 1,1% for each 100 m	
Istainability policies HS		: Yes	
nformal Coating mensions		: 3C2	
e ight dth		: H : 1414 mm / 55.7 in : 686 mm / 27.0 in	
pth sight		: 420,8 mm / 16.6 in : 213 kg / 469.6 lb	
echanical installation ounting position ing screw		: Surface or flange : M10	
htening torque ows side-by-side assembly		: 37 N.m / 27.31 lb.ft : No	
nimum spacing around the inverter op ottom		: 150 mm / 5.91 in : 250 mm / 9.84 in	
ide		: 20 mm / 0.78 in : 80 mm / 3.15 in	
ectrical connections ble gauges and tightening torque:			
	gauge to	mended cable 75 °C (167 °F)	Recommended tightening torque
wer aking ounding	Not	(4x 3/0 AWG) HD applicable n² (2x 2/0 AWG)	60 N.m / 44,28 lb.ft 60 N.m / 44,28 lb.ft 10 N.m / 7.38 lb.ft
ntrol		m ² (20 to 14 AWG)	0,5 N.m / 0.37 lb.ft
Additional especifications laximum breaking current linimum resistance for the brake resistor		: Not available : Not available	
ecommended aR fuse		: FNH3-800K-A	
lecommended aR fuse lecommended circuit breaker		: Not applicable : To define	
lecommended circuit breaker Recommended circuit breaker		: To define : Not applicable	

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	- EN 61800-2 - Adjustable speed electrical power drive systems - Part 2: General requirements - Rating especifications for low voltage adjustable
	frequency AC power drive systems.
Electromagnetic compatibility	EN 61800-3 - Adjustable speed electrical power drive systems - Part 3: EMC product standard including specific test methods.
	- EN 55011 - Limits and methods of measurement of radio disturbance
	characteristics of industrial, scientific and medical (ISM) radio-frequency equipment.
	 - CISPR 11 - Industrial, scientific and medical (ISM) radio-frequency equipment - Eletromagnetic disturbance characteristics - Limits and methods of measurement.
	 EN 61000-4-2 - Eletromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 2: Eletrostatic discharge immunity test. EN 61000-4-3 - Eletromagnetic compatibility (EMC) - Part4: Testing and measurement techniques - Section 3: Radiated, radio-frequency,
	 electromagnetic field immunity test. - EN 61000-4-4 - Eletromagnetic compatibility (EMC) - Part4: Testing and measurement techniques - Section 4: Electrical fast transient/burst immunity test.
	 EN 61000-4-5 - Eletromagnetic compatibility (EMC) - Part4: Testing and measurement techniques - Section 5: Surge immunity test.
	 EN 61000-4-6 - Eletromagnetic compatibility (EMC) - Part4: Testing and measurement techniques - Section 6: Immunity to conducted disturbances, induced by radio-frequency fields.
Mechanical construction	 EN 60529 - Degrees of protection provided by enclosures (IP code). UL 50 - Enclosures for electrical equipment. EN 60529 e UL 50

Certifications

Notes

1) Orientative motor power, valid for WEG Motors standard of IV poles. The correct sizing must be done according to the nominal current of the motor used, which must be less than or equal to the rated output current of the inverter;

2) Braking resistor is not included;

3) With category for emission level conducted;

4) Without derating and with minimum spaces;

5) For temperatures above the nominal and maximum temperature (with derating of current and minimum spaces);

6) For altitude over of specified;

7) All images are merely illustrative;

8) For more information, see the users manual of the CFW-11 (size H).