

	Main Feat	tures			
	Reference: NACFW111141T4OYZProduct code: 13107735Product line: CFW11				
Basic data Power supply Input minimum-maximum vo Number of phases Input	ltage		480 V 528 V		
Output		: 3			
Supply voltage range		380	480 V	38	30-480 V
Overload regime		Normal (ND)	Heavy (HD)	Normal (ND)	Heavy (HD)
Rated current		1141A	943 A		
Overload current at 60 s		1255A	1415A		
Overload current at 3 s		1712A	1886.0 A		
Maximum applica	ble motor				
Voltage/Freque			Power (HF	· • •	
		Normal Overload	(ND)	,	erload (HD)
380V / 50H		750 / 560			/ 500
380V / 60H		800 / 590			/ 515
400V / 50H 400V / 60H		850 / 630 800 / 590			/ 500
400V / 60H		950 / 700		700 / 515 800 / 590	
440V / 50H		950 / 700			/ 590
460V / 60H		1000 / 750			/ 590
480V / 60H		1000 / 750			/ 590
RFI internal filter [3] External filter Link Inductor Memory card USB port Line frequency Line frequency range (minim Phase unbalance Transient voltage and overvo Rated current of single-phas - Overload (ND) - Overload (HD) Rated current of three-phase - Overload (ND) - Overload (ND) - Overload (ND)	oltage e input	: Not : No : Inclu : Star : 50/6 : 48-6 : Les	2 Hz s or equal to 3% o egory III IA A	t	ge
Displacement factor Rated efficiency Maximum connections (power DC power supply Standard switching frequenc - Overload ND - Overload HD Selectable switching frequer	Sy .	: Not : 2 kł : 2 kł : 1,25	% allow Iz Iz F and 2 kHz		
Displacement factor Rated efficiency Maximum connections (power DC power supply Standard switching frequenc - Overload ND - Overload HD Selectable switching frequer Real-time clock Copy Function	ку	Der hour : 60 : Not : 2 kh : 2 kh : 2 kh : 1,25 : Yes : Yes : Yes	% allow Iz Iz	Overload	
Displacement factor Rated efficiency Maximum connections (power DC power supply Standard switching frequence - Overload ND - Overload HD Selectable switching frequen Real-time clock Copy Function Dissipated power: Mounting type	sy ncy ND	ber hour : 60 : Not : 2 kH : 2 kH : 2 kH : 1,25 : Yes Overload HD	% allow lz lz and 2 kHz in the HMI by HMI/MMF	ND	HD
Surface	ND 13558 W	ber hour : 60 : Not : 2 kH : 2 kH : 2 kH : 1,25 : Yes : Yes Overload HD 11022 W	% allow Iz Iz and 2 kHz in the HMI by HMI/MMF	ND t applicable	HD Not applicable
Displacement factor Rated efficiency Maximum connections (power DC power supply Standard switching frequenc - Overload ND - Overload HD Selectable switching frequer Real-time clock Copy Function Dissipated power: Mounting type	ND 13558 W 768 W	ber hour : 60 : Not : 2 kH : 2 kH : 2 kH : 1,25 : Yes Overload HD	% allow Iz Iz and 2 kHz in the HMI by HMI/MMF No No	ND	HD



Control/performance da	ta		
Power supply	-	: Switched-mode power supply	
Control method - induction m	otor	: V/f, VVW, Vector and PM motor	
Encoder interface Control output frequency [5]		: Only with 'Slot 2' accessory : 0 to 300 Hz	
Frequency resolution		: Equivalent to 1 rpm	
V/F Control			
- Speed regulation		: 1% of rated speed	
 Speed variation VVW Control 		: 1:20	
- Speed regulation		: 1% of rated speed	
- Speed variation		: 1:30	
Sensorless vector control			
 Speed regulation Speed variation 		: 0,5% of rated speed : 1:100	
Vector control with encoder		. 1.100	
- Speed regulation		: 0,05% of rated speed	
- Speed variation		: Up to 0 rpm	
Analog inputs			
Quantity (standard)		:2	
Levels Impedance		: 0-10V, 0/4-20mA and -10-+10V	
- Impedance for voltage input	t	: 400 kΩ	
- Impedance for current input		: 500 Ω	
Function		: Programmable	
Maximum allowed voltage		: ± 30 Vcc	
Digital inputs			
Quantity (standard) Activation		: 6 : Active low and high	
Maximum low level		: 3 V	
Minimum high level		: 18 V	
Input current		: 11 mA	
Maximum input current Function		: 13,5 mA : Programmable	
Maximum allowed voltage		: 30 Vcc	
Analog outputs			
Quantity (standard)		: 2	
Levels		: 0 to 10V, 0 to 20mA and 4 to 20mA	
RL for voltage output		: 10 kΩ	
RL for current output Function		: 500 Ω : Programmable	
Digital outputs		. Trogrammable	
Quantity (standard)		: 3 NO/NC relays	
Maximum voltage		: 240 Vca	
Maximum current		: 1 A	
Function		: Programmable	
 Modbus/TCP (with accesson Profibus DP (with accesson Profibus DPV1 (with accesson Profinet (with accessory: PF CANopen (with accessory: DeviceNet (with accessory: EtherNet/IP (with accessory: EtherCAT (with accessory: 	y: PROFDP-05) sory: PROFIBUS DP-01) ROFINETIO-05) CAN/RS485-01 or CAN-01) DEVICENET-05; CAN/RS485-01 or CA y: ETHERNET/IP-05 or ETHERNETIP-21 ETHERCAT-01)	N-01)	
- BACnet (with accessory: RS	5405-UT OF GAN/R5485-U1)		
Protections available - Output overcurrent/short cir - Power supply phase loss	cuit		
- Under/Overvoltage in powe	r		
- Overtemperature			
 Motor overload IGBT's modules overload 			
- Fault/External alarm			
- Breaking resistor overload			
- CPU or memory failure	,		
- Output phase-ground short			
Operation interface (HM	I)	Included in the areduct	
Avaliability HMI installation		: Included in the product : Local	
Number of HMI buttons		: 9	
30/05/2023		ntained are reference change without notice.	Page 2/4



	3) to 55 °C (131 °F) bove (0,3% for each 100 ft above) above (0,33% for each 100 ft above)			
 : 5% of rated current : 1 rpm : IP56 : CR2032 : 10 years : Detachable of the inv : Accessory : IP56 : IP20 : 2 : -10 °C / 14 °F : 40 °C / 104 °F : 2 % per °C of 45 (113 : 5% : 90% : 1000 m (3281 ft) : 4000 m (13123 ft) : 1% for each 100 m at : 1,1% for each 100 m : Yes : 3C2 (IEC 60721-3-3:2 : H : 1414 mm / 55.7 in : 686 mm / 27.0 in : 420,8 mm / 16.6 in : 220 kg / 485 lb : Surface or flange 	3) to 55 °C (131 °F) bove (0,3% for each 100 ft above) above (0,33% for each 100 ft above)			
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: 220 kg / 485 lb : Surface or flange				
: Surface or flange				
. WITO				
· 27 N m / 27 31 lb ft				
: 37 N.m / 27.31 lb.ft				
: No				
: 250 mm / 9.84 in				
: 20 mm / 0.78 in				
: 80 mm / 3.15 in				
readed cable	Decommonded tightoning torque			
	Recommended tightening torque			
,	60 N.m / 44.28 lb.ft			
	60 N.m / 44.28 lb.ft			
1² (2x 300 AWG)	10 N.m / 7.38 lb.ft			
m² (20 to 14 AWG)	0,5 N.m / 0.37 lb.ft			
. (,				
: Not available				
: Not available				
: 2X FNH3-900K-A : Not applicable : To define : Not applicable				
			C - Power conversion equip	pment.
	, icluding clearances and creepage distance			
	······································			
	ats electrical thermal and energy			
	have a machine in accordance with this			
, the machine manufacture				
ce and supply disconnectir 46 (IEC 146) - Semiconduc				
	20 mm / 0.78 in 80 mm / 3.15 in 25 °C (167 °F) (4x 350 AWG) HD applicable 2 (2x 300 AWG) n² (20 to 14 AWG) 2 Not available 2 X FNH3-900K-A 2 Not applicable 2 X FNH3-900K-A 2 Not applicable 2 Not applicable 2 Not applicable 2 Not applicable 2 Not applicable 2 Not applicable			

30/05/2023	The information contained are reference
	values. Subject to change without notice.



	- 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).