GENERADORES INDUSTRIALES TRIFASICOS

- Model:**TF22**

Powered by AGG

Output Rating

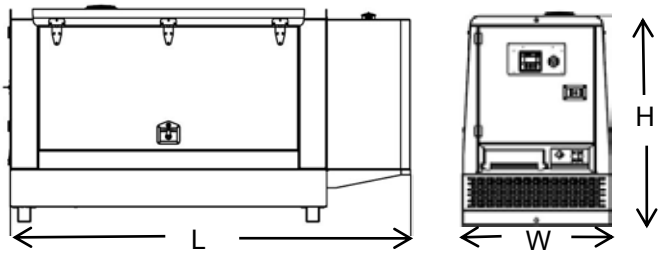
MODEL		Power rating		Voltage available
		PRIME(1)	STANDBY(2)	
F22D5	400V/50HZ	16KW	18KW	380/220V 400/230V 415/240V
	PF:0.8	20KVA	22KVA	

General Information

Model		F22D5
Engine		AGG 4DW91-29D
Speed control type		Electronic
Phase		3
Control System		Digital
System voltage		12V
Frequency		50HZ
Engine Speed(RPM)		1500
Fuel Consumption (L/H)	Standby power(2)	6.55
	Prime Power(1)	NA
	75% prime power	NA
	50% prime power	NA

Dimension and Weight

Dimension	Silent
Length (L)	2070mm
Width (W)	800mm
Height (H)	1136mm
Net Weight	730KG
Fuel Tank	50L
Noise Level	72b@7M



* 2006/42/EC Machinery safety.
* 2006/95/EC Low voltage
* EN 60204-1: 2006+A1:2009, EN ISO 12100:2010, EN ISO 13849-1: 2008, EN 12601: 2010

(1)Prime Power(PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operation conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24h of operation shall not exceed 70% of the PRP.

(2) Standby Power (ESP):

According to ISO 8528-1:2005, standby power is the maximum power available during a variable electrical power sequence, under the stated operation conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200h of operation per year with the maintenance intervals and procedures being caried out as prescribed by the manufacturers. The permissible average power output over 24h of operation shall not exceed 70% of the ESP.

Engine Specification

ENGINE		PRP	STANDBY
Rated Output	kW	20,3	22,3
Manufacturer		FAW	
Model		4DW91-29D	
Engine Type		Diesel 4 strokes-cycle	
Injection Type		Direct	
Aspiration Type		Natural	
Ciylinders Arrangement		4 - L	
Bore and Stroke	mm	90 x 100	
Displacement	L	2,54	
Cooling System		Liquid (water + 50% glycol)	
Compression Ratio		17,5:1	
Fuel Consumption StandBy	l/h	6,55	
Lube Oil Consumption Full Load		0,8 % of fuel consumption	
Total oil capacity including tubes, filters	L	8	
Governor	Type	Electrical	
Air Filter	Type	Dry	

Exhaust System		
Maximum exhaust temperature	ºC	550
Exhaust Gas Flow	m3/min	4,6
Maximum allowed back pressure	kPa	6,5
Exhaust Flange Size (external diameter)	mm	65

Air Inlet System		
Intake Air Flow	m3/h	102
Cooling Air Flow	m3/s	1,11
Alternator fan air flow	m3/s	0,088

Starting System		
Starting Motor	kW	3,5
Starting Motor	CV	4,76
Recommended Battery Capacity	Ah	120
Auxiliary Voltage	Vcc	12

▪ Alternator :KI184E

Alternator		
Model		AGG KI84E
Poles	Num	4
Winding Connections (standard)		Star-serie
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter System		Brushless
Voltage Regulator		A.V.R.
Bearing		Single bearing
Coupling		Flexible disc
Coating type		Standard (Vacuum impregnation)

▪ Control Panel: comAp NANO

Functions chart for InteliNano NT models

	InteliNano NT AMF
Model	AMF
Order code	IN-NT AMF
Binary inputs/outputs	6/6 [1]
Analog inputs	3 [2]
AMF function	●
MRS function	●
Input configuration	●
Output configuration	●
Voltage measurement Gen. / Mains	3 ph / 3 ph
Current Measurement	–
Voltage autodetect	● [3]
Generator protections	●
Event log / Running hours history	●
GCB/MCB control with feedback	● / ●
D+ battery charging alternator circuit	●
Engine hours	●
CAN-J1939 interface	●
USB communication port	●
LCD screen	●
Alarm LED	●
Weak battery genset starting	●
Maintenance warning	●
"Zero" power consumption	●
Light tower support	● [3]
IP65	○

Key: [1] 1 binary input is shared with binary output
[2] Analog inputs are shared with binary inputs

InteliNano NT MRS
MANUAL AND REMOTE