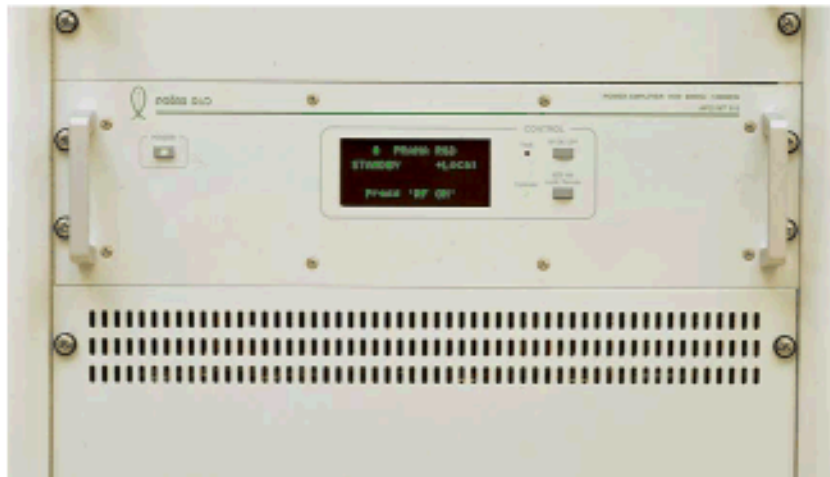


A class Solid State  
High VSWR operation

Application : Radiated EMC



Designed and manufactured in Europe, the AP32DP330 power amplifier operates in a symmetric mode with high linearity capability.

Solid state power modules are combined with high performance proprietary devices.

PRANA back ground into high power and broadband EMC products in last 10 years brings products to high reliability.

A high linear power is available at low frequencies and allows a high field output level with typical broadband antennas.

PRANA EMC amplifiers are designed to withstand excessive VSWR of typical EMC field generation environment.

The AP32DP330 amplifier is compatible with any automatic test environment thanks to additional measurement and communication features.

The up to date and modern concept of the AP32DP330 amplifier warrants the user of a permanent internal signal levels monitoring and allows local or remote full diagnostic capability.

## Output characteristics

Nominal power	3000 W
Single Instantaneous range	10kHz – 200MHz
Power at 3 dB compression	3500 W min. up to 10MHz / 2500 W min. up to 250 MHz / 1000 W min. up to 400 MHz
Power at 1 dB compression	2800 W min. up to 10MHz / 1800 W min. up to 250 MHz / 700 W min. up to 400 MHz
Gain	67dB typ., 64dB min.
Flatness	±1.5 dB max / ± 0.5 dB with internal levelling
Nominal output load	50 Ohms
Reflected Power on load mismatch	1900 W reverse power without power reduction feed back loop
Output VSWR	2.5:1 Max.
Harmonic distortion at 1dB compression	H2 <-25 dBc, -30 dBc typ. H3 <-20 dBc, -25 dBc typ.
Spurious	< -50dBc
Noise figure for F>1MHz	< 25dB typ., 30dB max.

## Input characteristics

Input level for nominal output power	0 dBm typ.
Input impedance	50 Ohms
Input VSWR	1.5:1max.
Maximum input level	+10dBm

## External interface

RF Input connector	Coaxial N fem.
RF output connector (1)	Coaxial EIA 1 5/ 8"
Incident power sampling connector (2)	Coaxial N fem. (option 001)
Reflected RF power sampling connector (2)	Coaxial N fem. (option 001)
Communication IEEE 488 GPIB	(Option 002)
Gain adjustment range (Manual or IEEE488 & RS232)	30dB 0.5dB step (Option 007-002)
Digital display	Yes
LED control indicator	Fault, Controller Ok
Forward and direct power display	(Option 003)
Manual controls	Power On/Off – menu key functions

## Environment and Protections

Ambient temperature range in operation	0°C / +35°C
Storage ambient temperature range	-20°C / +70°C
Cooling	Air, 960 l/sec max.
Protections	Temperature, VSWR (Option 001), Power Supply,Combiner,Blais.
EMC	CE certified

## Electrical characteristics

Supply voltage (3)	230/400 VAC, +/- 10% 50-60Hz 3 phases
Nominal current	< 32 A phase 1 and 2; < 26 A phase 3
Power in	< 21 KVA

## Mechanical outline

Packaging	22" cabinet on wheels
High ( standard)	cabinet :1,940 m (38U)
Width	600 mm
Depth	840 mm
Weight	650 kg

- (1) Other on request  
 (2) Rear panel only  
 (3) 3 phases + Neutral + Protective ground.

### Power graph

