



## Description

The POPE Professional® MF Series amplifiers are specially designed for touring and installation. Its unique design and high power output can meet the requirement of any sound reinforcement project.

## Features

- CLASS TD circuit to improve the power amplifier's efficiency, stability & decrease the temperature in operation.
- Short-circuit protection, over-temperature protection, and DC protection.
- Four fans with variable speed for cooling.
- Built-in compressor function to prevent the power amplifier from distortion of over input.

## Applications

The MF Series Amplifiers can use in stadium, dance hall, concerts and touring live performances.

## Power Output

Model	MF-38		MF-50	
Number of channels	2		2	
Total output all channels driven	7600 W @ 4 ohms		10000 W @ 4 ohms	
Max. Output Power	4 ohms	8 ohms	4 ohms	8 ohms
Per channel watts	3800 W	2200 W	5000 W	3000 W
Bridge Mono	7600 W	4400 W	10000 W	6000 W

## Specifications

Frequency Response	±0.1 dB from 20 Hz to 20 kHz at 1 watt		
Phase Response	±10 degrees from 10 Hz to 20 kHz at 1 watt		
THD	0.058%		
Intermodulation Distortion (IMD)	<0.37% (60 Hz and 7 kHz at 4:1, from full rated output to -30dB)		
Signal-to-Noise Ratio	>106 dB A-weighted or 100 dB unweighted below rated power, 20 Hz - 20 kHz.		
CMRR (20 Hz to 1 kHz)	> 55 dB, typically > 70 dB		
Crosstalk	> 80 dB (below rated power, 20 Hz to 1 kHz)		
Slew Rate	80V/usec		
Damping Factor	>2500 from 10 Hz to 250 Hz		
Input Impedance (Nominal)	20KΩ Balanced		
Signal Input	Two balanced 3-pin female XLR connectors		
Signal Output	Parallel two balanced 3-pin male XLR connectors		
Input sensitivity gain	0.7 / 1.0 / 1.4 Volt		
Output Circuitry	Class TD		
Output Connector	Two sets of Red & Black color coded binding posts & 2 Speakon 4 pole chassis connector		
Input Connectors	3-pin XLR		
LED Indicator	Power, Signal, Protect, Clip		
Protection	Protected against shorted, open or mismatched loads, overloaded power supplies, excessive temperature, chain destruction phenomena, input overload damage and high-frequency blowups. Also protect loudspeakers from input/output DC and turn-on/turn-off transients.		
Cooling System	Internal heat sinks fitted with four variable speed fans for uniform heat dissipation from rear to front air flow		
Construction	Steel chassis with durable black powder coat finish and aluminium front panel		
Power Supply	Toroidal Transformer		
Power Range	200 - 240V AC @ 50Hz		
Mains	Power Cord		
Dimension (W x D x H)	695 mm × 560 mm × 260 mm		
Size	3U		
Input Power (Watts)	1700W		1950W
Net Weight	40.0 Kg		44.0 Kg
Gross Weight	44.5 Kg		48.5 Kg

Note: 1) All specifications are typical values.

2) The amplifier will be fully operational at 2 ohm loads, but due to physical constraints in the construction, this mode of operation is not recommended.

3) The output power measured with 1kHz, 20ms burst, both channels driven.