

PJ-U-KLC SERIES

COMPACT AMPLIFIERS

MODEL **PJ5000U-KLC**



ORDERING INFORMATION	
Model	Description
PJ5000U-KLC	5000W Compact FM Stereo Amplifier U-KLC.
OPTION	
/LD-PJM-C	Love drive power (less than 5W).



PJ5000U-KLC

5000W Compact FM Stereo Amplifier U-KLC.

FEATURES

PRIMARY APPLICATION: It is particularly suitable for dusty environments, due to air that not turns inside it, so it remains much cleaner and allowing to reduced maintenance and ambiental noise.

OPERATING EFFICIENCY: incorporate a PFC (Power Factor Corrector) power supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which added to LD-MOSFET technology ensure high efficiency, better than 70% across the bandwidth.

AMPLIFIER FEATURES: exceptional-gain amplifier with very low input drive power requirement and adjustable power output from 10 to 100 %. Available (optionally) LD "Low Drive" technology which reduces required input drive power to as little as 5W.

HARDWARE FEATURES: cooled via a non-toxic, non-corrosive liquid that can withstand temperatures under -30°C. The cooling system features a double pump, with switching and automatic diagnostics. Designed in only 4 rack units.

USER-FRIENDLY FEATURES: configurable in single or three phase.

EASE OF MAINTENANCE: provides the pump compartment on the removable carriage with special gate valves that prevent the need to empty out the liquid present in the unit.

RELIABILITY/CONTINUITY: APC (Automatic Power Control), Foldback protection, redundancy of amplification units and redundancy of power supply units to mantene always on the broadcast transmission, ensure reliable operation under any operating conditions. The cooling system with the circuit of the liquid at low pressure and tubes of the circuit sized to withstand pressures 10 times over that of the operating pressures, are evidence of a high level of reliability.

INTERFACE CONTROL: control due to microprocessor easily programmed from menu with all key parameters displayed on LCD.

REMOTE CONTROL: electromechanically controllable and integrable into all digital RVR telemetry systems.

PJ5000U-KLC

Parameters	U.M.	Value	Notes	
GENERALS				
Frequency range	MHz	87,5 ÷ 108		
Rated output power	W	5000		
Spurious & harmonic suppression	dBc	<75 (80 typical)	Meets or exceeds all FCC and CCIR rules	
Working temperature	°C	-5 to +50		
Working humidity	%	95	Without condensing	
Working altitude	mt	Up to 3000 *	* With adequate air evacuation system in site	
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	VAC	230 +10% -15% 400 +10% -15%	Monophase Threephases Y
	AC Apparent Power Consumption	VA	7366	Measured on threephases 400V
	Active Power Consumption	W	7352	Measured on threephases 400V
	Power Factor		0,998	Measured on threephases 400V
	Overall Efficiency	%	Typical 68	Measured on threephases 400V
Connector		ILME CQ 4/2		
MECHANICAL DIMENSIONS				
Physical dimensions	Front panel width	mm / inch	483 / 19	EIA rack
	Front panel height	mm	177	4HE
	Overall depth	mm	700	
	Chassis depth	mm	655	
Weight	kg	About 41	21 PS+34 RF	
Cooling		Liquid with external unit		
Acoustic noise	dBA	< 39	Leq 3 min @ 1 m	
AUDIO INPUTS				
RF Input	Connector		N type	
	Impedance	Ohm	50	
Driver power for rated output	W	70 (typical 50)		
Max input power before protection	W	150		
OUTPUTS				
RF Output	Connector		7/8" EIA	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dB	Approx. -60	Referred to the RF output
FUSES				
On mains	3 External fuses F16T 10x38 (Threephases 400V)	3 External fuses F20T 10x38	(Threephases 230V) 3 External fuses F25T 10x38 (Monophase 230V)	
On services		1 External fuse F 6,3 T 5 x 20		
On AUX Power supply		1 External fuse F 6,3 T 5 x 20		
On PA Supply		8 Internal fuses F 25 A		
On fans supply		1 Internal fuse F 10 T 5 x 20		

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.



R.V.R. Elettronica S.r.l.

Via del Fonditore 2/2 c
40138 Bologna - Italy
Phone +39 051 6010506
info@rvr.it

www.rvr.it