

TX-K-KLC SERIES

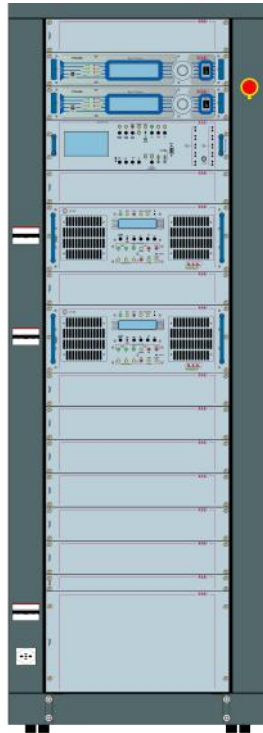
TX-K-KLC

MODEL TX10K-KLC



ORDERING INFORMATION

Model	Description
TX10K-KLC	10.000W Liquid cooled system.
TX10KSS/20D212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + 2x PTX30LCD/S).
TX10KSS/41D212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + 2x PTX30LCDDSP).
TX10KSS/60D212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + 2x PTX30DDS).
TX10KSS/20S212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + PTX30LCD/S).
TX10KSS/41S212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + PTX30LCDDSP).
TX10KSS/60S212J	Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + PTX30DDS).



TX10KSS/60D212J

Modular transmitter, 10kW (composed of HC-CCU + 2x PJ5000U-KLC + 2x PTX30DDS).

FEATURES

HARDWARE FEATURES: Maximum modularity and scalability of the system from economical compositions “single exciter” to redundant custom compositions “double exciter”.

POWER & QUALITY: With the family of RVR’s liquid transmitters based on the U-KLC series, is possible to realize compact equipments up to 20kW, with high energy savings thanks to the use of high efficiency pumps and no forcing ventilation. The Cooling system is with low pressure circuit and double pump in automatic switching and diagnostics.

RELIABILITY & REDUNDANCY (business continuity): Extremely safe operation: by pressing the emergency button is cutting the power supply line to the various relay switches while remaining exciters operational.

USER-FRIENDLY FEATURES: user-friendly software and a simple, intuitive HM interface let you easily set up and control all machine operating parameters. user-friendly software and a simple, intuitive HM interface let you easily set up and control all machine operating parameters.

EASE OF MAINTENANCE: accessibility and ease of maintenance are ensured by advanced modular engineering concepts incorporated in the transmitter and by its lightweight components. Better cleaner work environment and low environmental noise.

REMOTE CONTROL: the device comes with a powerful, complete telemetry system.

TX10KSS/60D21J

Parameters	U.M.	Value	Notes
GENERALS			
RF Output power	kW	10	
Frequency range		87.5 – 108 MHz	
Frequency stability	ppm	±1	
Frequency programmability		By software, with 10 kHz steps	
Modulation mode		Direct carrier frequency	
Operational Mode		Mono, Stereo, Multiplex	
Modulation capability		150 kHz Stereo, 200 kHz Mono/MPX	
RF Output Impedance		50 Ω, Unbalanced	
RF Output Connector		1-5/8" EIA Flange	
Pre-emphasis Mode		0/50 (CCIR) μs, 75 (FCC) μs	
Asynchronous AM S/N Ratio		≥ 65 dB (typical 70dB)	
Synchronous AM S/N Ratio		≥ 50 dB (typical 60dB)	
Harmonics suppression and Spurious	dB	<75 db (typical 80db)	
Overall efficiency	%	Typically 70/72	
MONO OPERATION			
S/N ratio		> 85dB (typical 87 dB)	
Total Harmonic Distortion + Noise	%	<0,05% (typical 0.03%)	
Inter Modulation Distortion SMPTE		<0,02%	
Frequency Response		Better than ±0,5 dB (typical ±0,2dB)	
Audio Input Impedance		600 Ω balanced or 10 kΩ	
MPX OPERATION			
Composite S/N ratio		> 85dB (typical 87 dB)	
Total Harmonic Distortion + Noise	%	<0,05	
Inter Modulation Distortion	%	<0,05	
Frequency Response		±0,2dB	
Audio Input Impedance		50 Ω or 10 kΩ	
STEREO OPERATION			
Stereo FM S/N Ratio		> 80 dB (82 dB typical)	
Total Harmonic Distortion + Noise (L or R)	%	<0,05	
Inter Modulation Distortion (L or R)		≤ 0,03%	
Transient intermodulation distortion (L or R)		<0,1 db (typical 0.05 db)	
Frequency response (L or R)		±0,5 dB	
Stereo Separation		> 50dB (typical 60 dB)	
Main / Sub Ratio		> 40 dB (typical 45 dB)	
Audio Input Impedance		600 Ω or 10 kΩ	

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