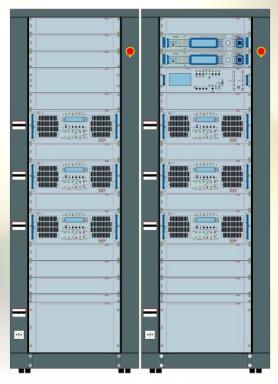
# **TX-K-KLC** SERIES

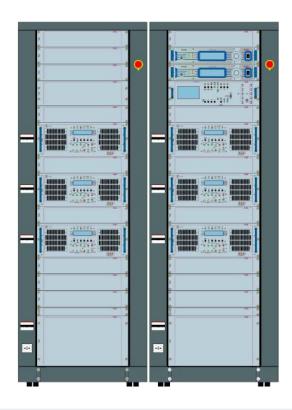
TX-K-KLC

# MODEL TX30K-KLC



ORDERING INFORMATION			
Model	Description		
TX30K-KLC	30.000W Liquid cooled system.		
TX30KSS/20D216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + 2x PTX30LCD/S).		
TX30KSS/41D216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + 2x PTX30LCDDSP).		
TX30KSS/60D216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + 2x PTX30DDS).		
TX30KSS/20S216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + PTX30LCD/S).		
TX30KSS/41S216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + PTX30LCDDSP).		
TX30KSS/60S216J	Modular transmitter, 30kW (composed of HC-CCU + 6x PJ5000U-KLC + PTX30DDS).		





#### TX30KSS/60D216J

Modular transmitter, 30kW (composed of HC-CCU + 6x 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.







## TX30KSS/60D216J

1X30K22/00D5107				
Parameters	U.M.	Value	Notes	
GENERALS				
RF Output power	kW	30		
Frequency range		87.5 – 108 MHz programmable in 1,10 or 1000 KHz steps		
Frequency stability	ppm	±1		
Nominal frequency deviation		±75 KHz (peak)		
Maximum frequency deviation		±100 KHz (peak)		
Class of emission		180KF8E		
Stereo transmission		Acc. To ITU-R / Rec. 450 (Pilot tone)		
RF output impedance		50 Ω, Unbalanced		
RF output connector		3-1/8" EIA Flange		
VSWR		1.41:1 with automatic fold-back at higher VSWR		
Frequency control		Synthesizer µ processor control		
Modulation capability		±150 KHz		
Modulation mode		Mono, Stereo, Multiplex, SCA, RDS, DARC, Aux		
Pre-emphasis Mode		0/50 (CCIR) µs, 75 (FCC) µs		
Asynchronous AM S/N Ratio		≥ 70 dB unweight, referred to 100% AM modulation at 400 Hz Pre-emphasis and without FM modulation		
Synchronous AM S/N Ratio		≥ 55 dB, reference to 100% AM modulation at 400 Hz, 50 µs Pre-emphasis with FM modulation at 75 KHz of deviation		
Harmonics suppression and Spurious	dB	Typically 85		
Overall efficiency	%	Typically 70/72		
RF Harmonics		Exceeds ETSI/CCIR/FCC requirements		
RF Spurious		Exceeds ETSI/CCIR/FCC requirements		
Max Frequency Tolerance		As per ITU (R)		
Analogue Input Level ±75 Khz (peak) deviation		-6 dBu - +6 dBu at 1 Khz, 0 dBu		
Digital Input Level ±75 Khz (peak) deviation		-20.0 dBFS – 0 dBFS (adjustable) at 1 Khz		
MONO OPERATION S/N ratio				
Total Harmonic Distortion + Noise	%	Better than 0.15		
Inter Modulation Distortion SMPTE		Better than 0.20% (60 Hz / 7 KHz, 4:1, +4		
Frequency Response		±0.2dB (30Hz – 15Khz)		
Audio Input Impedance		600 Ω balanced or 10 kΩ unbalanced		
MPX OPERATION				
S/N ratio		>90 dB, 75 KHz deviation rmd, unweight		
Total Harmonic Distortion + Noise	- %	<0.02%		
Inter Modulation Distortion SMPTE		<0.02% 60 hz / 7 khz, 4:1, +4dbu		
Frequency Response	_	±0.3dB, 30 Hz to 100 KHz		
Transient Intermodulation Distortion STEREO OPERATION		0.03%, 2.96 KHz square wav end 14 KHzsine wave		
Audio Input Impedance		2 K ohm or more		
Stereo FM S/N Ratio unweighted		>84 dB, 30 Hz to 15 KHz deviation (L or R), rms		
Stereo Separation ((Sine wave))		≥ 60 dB (30 Hz – 15 KHz)		
Linear Cross Talk		Better than 50 dB, referred to 100% modulation (30 Hz to 15 KHz)		
Non-linear Cross Talk		Better than 50 dB, referred to 100% modulation		
Total Harmonic Distortion + Noise (L or R)		<0.02%, 60 Hz / 7 KHz, 4:1, +4dBu		
Inter Modulation Distortion SMPTE (L or R)		±0.2 dB, 30 Hz – 15 Khz		
Digital Input Impedance 110 Ω				

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.









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