

# MATS 3G

CHARACTERISTICS	MATS 3G 12 KHZ	MATS 3G 34 KHZ
Frequency band	10-15 kHz	30-39 kHz
Secured bit rates (coding included)	20 bit/s, 100 bit/s, 200 bit/s	20 bit/s, 150 bit/s, 300 bit/s
High bit rates (without coding)	850 bit/s, 2100 bit/s, 3600 bit/s, 5500 bit/s, 7400 bit/s	1000 bit/s, 3000 bit/s, 6400 bit/s, 9200 bit/s, 13000 bit/s, 16500 bit/s, 24600 bit/s
Coding efficiency	0,43	
Maximal range (low noise environment)	15 km	5 km
Power supply	18 VDC – 36 VDC standard 36 VDC – 60 VDC on request 90 VAC – 230 VAC with rack	
Power consumption	Up to 75W in transmission (185dB ref 1 µPa/1m) 0,6W in reception 40mW in stand-by	
User link	RS232 : 38400Bd (standard, configurable) RS422 on request	
Maximal depth	6000 m	
Temperature range	Working: -10°C to +50°C Storage: -20°C to +70°C	
Dimensions	L 366mm x Ø 100mm (container) Diam. 135mm (head without flange)	L 356 mm x Ø 100 mm
Dimension - Transducer head (OEM version)	L 109 mm x Ø 135 mm	L 100 mm x Ø 120 mm
Dimension - Electronic box (OEM version)	L 194 mm x Ø 80 mm	L 206 mm x Ø 80 mm

Note: Sercel reserves the right to change its specifications without prior notice.  
All specifications are typical at 20°C



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