



## Liquid Nitrogen Generator Specification Sheet LN390

Liquid Nitrogen Production Rate:	390 litres/day (16.25 litres/hr)
Skid Dimensions:	3.5m (L) x 2.8m (W) x 1.5m (H)
Skid Weight:	1,700 Kg
Dewar Volume:	500 Litres standard (66 gallons) – 1,000 & 2,000 Litres optional
Cold Head Assembly:	6 x CH110
Helium Compressor:	6 x F70H (high voltage) / F70L (low voltage) – water cooled
Electrical Input options:	480v / 3ph - 60Hz or 380v/400v/415v / 3ph - 50Hz 200v / 3ph – 50/60Hz
Power Consumption:	45kw @ 50Hz / 52.8kw @ 60Hz
Water Cooling Requirement:	40kw of cooling capacity (20kw of electrical power)
Ambient Temperature Range:	+5°c to +50°c
Maximum altitude:	10,000 feet (3,000 metres) – higher altitudes available
Nitrogen Gas Requirement:	195 LPM / <1% Oxygen (model MNG104 supplied)
Compressed Air Requirement:	0.96m <sup>3</sup> /min @ 10 bar
Noise Level:	<65dBA @ 1 metre
Control System:	HMI colour graphic touch screen
Tank Level high / low Setting:	Adjustable – 0 – 100%
Main Features:	Dewar Vacuum Protection System 33.3%, 66.6, 100%, production control
Certification:	Dewar – EN 13458 / 97/23/EC; System – CE / ISO9001:2008

