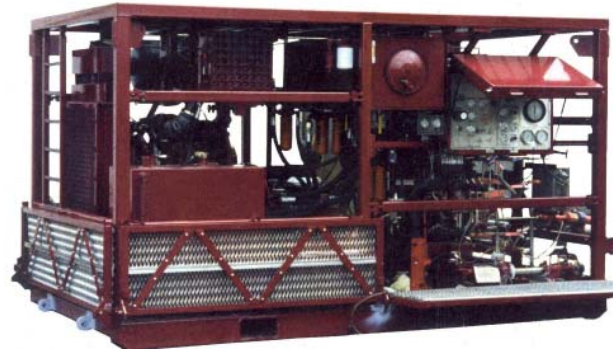


## NITROGEN PUMPER (90,000 SCFH)

The unit is a non-fired nitrogen pumper capable of pumping up to 90,000 SCFH of gaseous nitrogen with pressures up to 10,000 psi and at a discharge temperature of 70°F. The liquid nitrogen is taken from a separate N<sub>2</sub> tank (Cryenco design) by a centrifugal boost pump to a high-pressure LN<sub>2</sub> triplex pump. High pressure liquid nitrogen then passes through the unique non-fired vaporisation system to convert the high-pressure liquid nitrogen to high pressure gaseous nitrogen.



**NITROGEN PUMP**

## Specifications

<b>Model</b>	:	NS – 91 – NF
<b>Ambient temperature</b>	:	45°C ( 114°F )
<b>Maximum pumping rate</b>	:	90,000scfh of nitrogen
<b>Discharge temperature</b>	:	15.6°C (60°F)
<b>Physical Characteristics</b>		
<b>Length</b>	:	16'0" (4.88m)
<b>Width</b>	:	8'0" (2.44m)
<b>Height</b>	:	8'0" (2.49m)
<b>Weight</b>	:	20,000lb (9072 kg)
<b>General Specifications</b>		
<b>Model</b>	:	6v – 92 TA
<b>Type</b>	:	9.05L, 63.50VEE, 2 cycle, turbocharger
<b>Number of cylinder</b>	:	6
<b>Output</b>	:	360bhp (269 Kw) @2100rpm
<b>Torque</b>	:	1090Lb-ft (1478Nm) @1200rpm
<b>Operating Range</b>		
<b>Engine rpm</b>	:	60 – 2250 rpm
<b>Engine oil pressure</b>	:	49 – 70 psi
<b>Coolant temperature</b>	:	177°F – 197°F
<b>Hydraulic fluid temperature</b>	:	75°F – 90°F