

Plant #  
**625**



## NEL C-30 Hydrogen Electrolyzer - 30 Nm<sup>3</sup>/hr

**Capacity:** 30 Nm<sup>3</sup>/hr

**Process Information:** Like-new, barely used hydrogen gas generator supplied by Proton Energy Systems (model C30).

**Major Equipment:**

Power Supply Enclosure

Electrolyzer Enclosure

### Plant Description

Like-new, barely used hydrogen gas generator supplied by Proton Energy Systems (model C30). This model is a factory-matched and packaged PEM electrolysis system that produces high purity (99.9995%) hydrogen from water and electricity. It is certified to ISO 22734-1. The generator has two enclosures: (1) Power Supply Enclosure. IP rating: PS Encl IP56; 480 VAC 60 Hz 3 phases; coolant temperature and pressure: 5 – 35 °C and 2.1 – 6.9 barg. (2) Electrolyzer Enclosure. IP rating 54; 480 VAC 60 Hz 3 phases; hydrogen output temperature and pressure 5 – 60 °C and 30 barg; coolant temperature and pressure: 5 – 50 °C for main, 5 – 50 °C for H<sub>2</sub> dryer, 2.1 – 6.9 barg; oxygen output 15.9 Nm<sup>3</sup>/hr (vented); full load current from the power supply enclosure 22 Amps AC, 1307 Amps DC. Power consumed per volume of H<sub>2</sub> gas produced 5.8 KWh/Nm<sup>3</sup>. Production turndown range 0 – 100%.

For more  
information contact

Edward Zhang, Plant Sales  
plants@phxequip.com  
+1 732.520.2187 (Direct Dial)  
+1 845.242.3378 (Mobile)

To discuss plants  
you are selling

Jesse Spector  
plants@phxequip.com  
+1 732.709.7157 (Direct Dial)  
+1 908.902.8854 (Mobile)