

# TPSC-500NG Natural Gas Unit



Distributed By



- Sound attenuated ISO 40 Foot Container
- Internal and external emergency stop button
- 50mm Rock Wool insulation with perforated cover
- Internally mounted vertical discharge cooler
- Multi-fan combustion air intake
- ComAp Intellivision 12" touch controls
- CSA approved gas train & control cabinet
- Stainless steel hospital grade exhaust
- Oil make-up system
- Fully integrated plug and play solution
- Easy Service Accessibility
- Baudouin parts stocked in USA

## ENGINE

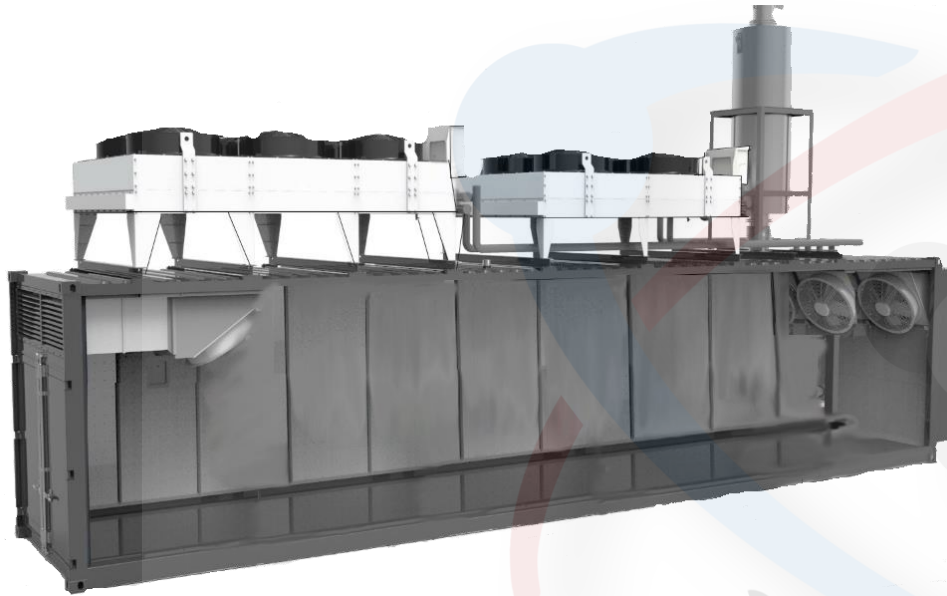
Manufacturer	Baudouin
Engine Model	TPSC 500 NG
Configuration	12 Cylinder
Displacement, L	32L
Aspiration	Turbocharged – Aftercooled
Compression ratio	11.5:1

## POWER AND EFFICIENCY @ 60 HZ

Electric Power – kW 500	Electric Efficiency 45.4%
Heat Power – kW 395.21	Heat Efficiency 35.9%
Input Power – kW 1100	Total Efficiency 81.3%
Duty	Continuous
Power Factor	60 Hz
Phase	3
Wires	4
RPM	1800
Voltage	480V – Up to 600 V

## CSA CONTROL CABINET

Generator Controller	ComAp Intellivision 12" touch
Electrical Control Cabinet	Integrated, IP54, CSA Approved
Breaker	Siemens 3WL air circuit
Protective Relay	Schweitzer SEL-751A



## CONFIGURED ENCLOSURE DETAILS

525 kw Island	Parallel
Container Painting	Light Grey
Control Room Access	Single man door @ rear of container
Generator Room Access	Dual Bi-fold doors on each side of enclosure
Noise Level @ 1m, dB	83
@ 7m, dB	70
@ 10m, dB	65



## DIMENSIONS AND WEIGHT

Dimensions (L X W X H) feet (mm)	40'0" X 8'0" X 9'6" (12192mm, 2438mm, 2896 mm)
Total package dry weight	44,000lb (20,000kg)

## FUEL INFORMATION

Fuel Type	Natural Gas
Methane Number	100
Fuel Consumption @100% load m <sup>3</sup> /h	9.8 GJ/Mwhr or 256.14 m <sup>3</sup> /h
Supply Gas Pressure Range, kPa	6-9KPa
<b>Emission Information</b>	
NOx, mg/Nm <sup>3</sup>	0.158
CO, mg/Nm <sup>3</sup>	0.24

## ALTERNATOR

Manufacturer	Stamford
Build Specification	Dual Bearing @60 Hz
Mechanical Arrangement	HCI 534F/544F
IP Rating	23
Excitation Type	PMG
Number of ends out	12
Winding RTD's	Double Layer