

## Technical Data – Heliex GenSet

### Steam Expander Generator Set HP204 500kW & 630kW



#### Description

The HP204 steam expander generator set is a fully integrated system which converts energy in the form of wet steam into clean electrical power.

#### Features

- Rugged screw expander technology
- Standalone packaged unit
- Industry standard key components
- Fully automated
- Soft start

*Package design may vary.*

Performance	HP204 – 500	HP204 – 630
Gross power output	Up to 500 kWe	Up to 630kWe
Auxiliary power input	Up to 2.5 kWe	Up to 2.5 kWe

Operating parameters			
Electrical	400V, 50Hz, 3ph+N	480v, 60Hz, 3ph+N	Option
Ambient temperature	-10°C to +45°C		
Ambient humidity	<95% (non-condensing)		
Installation	Indoor or Outdoor		
Sound pressure level	<87dBA at 1 metre		
Steam mass flow rate range	Up to 15000kg/h		
Max. steam inlet temperature	221°C (saturated steam)		
Max. steam inlet pressure	23.5 Bar A		
Max. inlet-outlet ΔP	20 Bar		
Steam inlet dryness fraction	<97%		

Dimensions and foundations	
Dimensions	3610 X 1850 X 2230 mm (LWH)
Mass	Up to 9,000 kg
Lifting and handling	Standard forklift pockets 225 x 125 mm, 1400 mm between centres
Site foundation	Level load bearing surface 4000 X 2500 mm

Plant services and interconnections	
Steam inlet	DN100, PN25
Steam outlet	PN25 flange and depending on customer steam flow either DN150,200,250 or 300
Compressed air supply	7 bar g (Instrument air to ISO 8573.1 Class 2:3:1)
Electrical output	400V, 3 ph+N, continuous rating to suit generator protection device
Electrical input	400V, 3 ph+N
Remote monitoring	Internet bridge (via internet cable or optional wireless GPRS / UMTS Modem). BMS or SCADA systems - MODbus over RS232, RS485, USB, Ethernet.

*Heliex Power Ltd reserve the right to change technical specification without notice*

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