

## IND JP 800 / DIESEL GENERATOR GROUP


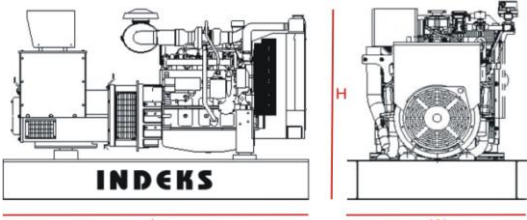
Generator Model : IND JP 800	StandBy Power (ESP) : 800kVA 640kW
Engine : Perkins	Prime Power (PRP) : 730kVA 584kW
Alternator : Stamford	Voltage : 380/220 V

### Ratings And Standard Reference Conditions

**Prime Power (PRP)** These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply %10 overload power for 1 hour in 12 hours.

**Standby Power (ESP)** is defined as the maximum power available during a variable electrical power sequence, under the stated operating, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. No overload is permitted on these ratings.

**Standard Reference Conditions** air inlet temperature 25°C , barometric pressure 100kPa [110m altitude] and 30% relative humidity.

 <p>Photo may be demonstration or a different size generator</p>	<b>General Features :</b> <ul style="list-style-type: none"> <li>◆ Heavy duty water cooled engine</li> <li>◆ Self excited H class alternator</li> <li>◆ Tropical type radiator with mechanical fan</li> <li>◆ Fully guarded engine-driven fan</li> <li>◆ Static or spare daily fuel tank</li> <li>◆ Fully welded steel baseframe with lifting points</li> <li>◆ Linear vibration isolators between base and engine-generator</li> <li>◆ Starter batteries and connection cables</li> <li>◆ Engine-driven battery charging alternator</li> <li>◆ Industrial exhaust muffler</li> <li>◆ Primary and secondary fuel filters</li> <li>◆ Auto Start control system with digital instrumentation</li> <li>◆ Emergency stop pushbutton</li> <li>◆ Control panel with digital-automatic main control module</li> <li>◆ Indeks Factory load, performance and function tests,</li> <li>◆ Operation &amp; Maintenance Manual</li> <li>◆ Wide range of optional extra features available</li> <li>◆ Block water heater unit</li> </ul>
	<b>Overall Dimensions &amp; Weights (Without Canopy)</b> <ul style="list-style-type: none"> <li>◆ Length (L) 4200 mm</li> <li>◆ Width (W) 1850 mm</li> <li>◆ Height (H) 2200 mm</li> <li>◆ Weight 6650 kg</li> </ul>

**TECHNICAL SPECIFICATIONS****IND JP 800****Units****General**

Brand		INDEKS
Model		IND JP 800
StandBy Power	kVA	800kVA
Prime Power	kVA	730kVA

**Engine**

Manufacturer		Perkins
Model		400623TAG2A
StandBy Power(Net)	kWm	689 KWm
Prime Power (Net)	kWm	624 KWm
Speed	Rpm	1500 rpm
Cylinder Number & Arrangement		6 Line
Bore & Stroke	mm	160mm x 190mm
Displacement	Lt	22.921
Aspiration & Cooling		Turbo Charged
Compression Ratio		13,6:1
Governor Type		Electronic
Cooling Type		Water Cooled
Oil System Capacity (Including Filters)	Lt	113,4
Fuel System		Direct Injection
Fuel Consumption (%50 of Prime Power)	Lt/h	208 g/KWh / 79 L/h
Fuel Consumption (%75 of Prime Power)	Lt/h	210 g/KWh / 119 L/h
Fuel Consumption (%100 of Prime Power)	Lt/h	213 g/KWh / 159 L/h
Exhaust Gas Flow(at Stand-By Power)	m³/min	190
Exhaust Gas Temperature (at StandBy Power)	°C	430 °C

**Alternator**

Manufacturer		Stamford
Type		Brushless , Synchronous, Single Bearing
Model		HCI634G
Phase/Poles		3 Phase/4 Poles
Excitation System		Self Exciting
Frequence	Hz	50
Voltage	V	380/220 V
Speed	Rpm	1500
Excessive Loading Capacity		For 1 Hour % 110, For 2 Minutes %150
Protection Class		IP23
Insulation Class		H

**Chassis**

- ◆ Formed steel base with linear vibration isolators between base and engine-generator
- ◆ Base frame design incorporates a fuel tank (fuel gauge and drain plug on the fuel tank)
- ◆ Military / Civilian type easy lifting systems

**Control System**

- ◆ Control supervision and protection panel is mounted on the genset base frame.
- ◆ Indeks micro processed control unit.
- ◆ Standart indicators, alarms, buttons, keys.
- ◆ Useful design for Automatic / Manuel working

**Optional Equipment**

- ◆ Customer designed sound proof canopy
- ◆ Automatic synchronization and power sharing systems
- ◆ PMG
- ◆ Alternator Heater
- ◆ Trailer
- ◆ Residential Type Silencer
- ◆ Automatic Fuel Refill System
- ◆ Remote Monitoring Systems with SCADA - PLC, Connection to BMS system and extra special solutions in Medium Voltage
- ◆ Automatic load transfer panel
- ◆ Digital AVR
- ◆ Remote systems
- ◆ Oil Drain Pump
- ◆ Seismic Sensor
- ◆ Tool kits

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