

# FG Wilson 90-165 kVA Generating Sets

## Features and Benefits



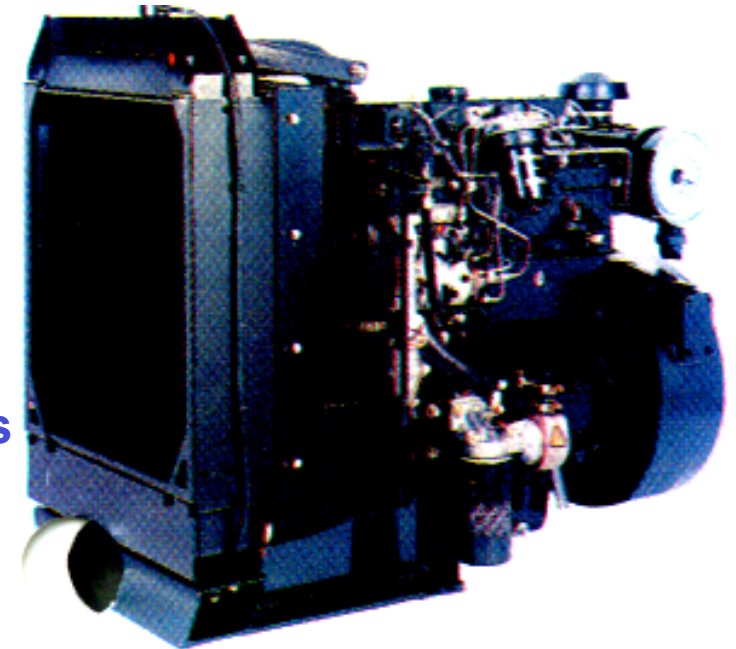
# Generating Set Ratings

Model	Engine Model	50Hz		60Hz		
		kVA	kW	kVA	kW	
<b>3 Phase</b>						
P90	1006TG1A	90	72	110	88	
P100E	1006TG1A	100	80	120	96	
P100	1006TG2A	100	80	113	90.4	
P110E	1006TG2A	110	88	125	100	
P135	1006TAG	135	108	150	120	
P150E	1006TAG	150	120	165	132	
P150P1	1006TAG2	150	120	n/a	n/a	
P165E1	1006TAG2	165	132	n/a	n/a	
<b>Single Phase</b>						
P72SP1	1006TG1A	72	72	85	85	
80ESP1	1006TG1A	80	80	94	94	
P80SP1	1006TG2A	80	80	90	90	
88ESP1	1006TG2A	88	88	100	100	
P96SP1	1006TAG	96	96	100	100	
105ESP1	1006TAG	105	105	113	113	



# 1006 Series Engine

- In-line, vertical six cylinder platform - 6 litres
- Fuel starting aid for temperatures down to  $-20^{\circ}\text{C}$
- Inserted valve seats, oil spray cooled pistons and compact plate cooler
- Low oil consumption @ 0.1%
- Single side servicing for reduced service times and cost



# Generating Set Package

- Perkins 1006 Series, 6 cylinder engine
- Alternator supplied by Leroy Somer
- High power density with 6 litre engine
- Electronic Governor as standard on 135 – 165 kVA
- Robotically welded baseframe with integral metal fuel tank
- Water-cooled
- Engine Mounted battery-charging alternator



# Generating Set Package

- Engine mounted fuel/water separator
- At least 8 hours of continuous operation on a single tank of fuel
- Anti-vibration pads
- Heavy duty steel base with lifting points
- Minimum of 50% Anti-freeze (protection to  $-20^{\circ}\text{C}$ )
- Heavy duty industrial silencer (supplied loose)



# Generating Set Options

- **Sound Attenuated enclosure**
- **Control Panel upgrade**
- **Droop engine control for Synchronising Process**
- **Extended capacity metal fuel tank**
- **4-Pole circuit breaker**
- **Residential & Critical Silencers**
- **Toolkit**
- **Upgrade to CE Certification**



# Generating Set Options

- Lube oil temperature shutdown
- Low Coolant Level switch
- Stone Guards
- Fuel Level Switches
- Anti – condensation heater
- Coolant heater
- Quadrature droop kit



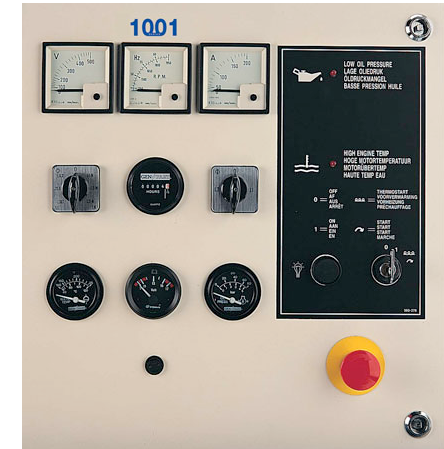
# SA Enclosure

- Internally mounted exhaust silencers
- Recessed external emergency stop
- Air outlet by vertical discharge
- Fully lockable with common key
- Increased service access
- Protection against rodent access



# Control Panels

- 1001 Panel standard up to 110kVA
- PowerWizard standard on 135 – 165kVA
  - Vibration isolated
  - LCD Display
  - AC & DC Metering – Volts, Amps, Frequency, Battery Volts, Engine Hours Run, Engine Temperature, Lube Oil Pressure, Engine Speed
  - Protection - Fail to Start, Low Oil Pressure, High Engine Temperature, Low/High Battery Voltage, Battery Charger Failure, Underspeed, Overspeed, Loss of Engine Speed Detection, 2 spare fault channels, 20 Event fault log
- Upgrade options of PowerWizard 2.0 and 6000 Series Control Panels



1001



PowerWizard