

# Diesel generators | 1500/1800 rpm Classic series

Over the past 20 years, WhisperPower generators have established a strong reputation as reliable workhorses. They are regarded to be durable and reliable power solutions, meeting the challenges of commercial and high-end recreational Mobile applications. While the high rpm 3000/3600 generators have been replaced by the quiet and compact Genverter series, our 1500/1800 fixed rpm range has undergone a major upgrade.

The WhisperPower SQ Pro range is the solution for applications where a constant level of high quality, non-stop electrical power is required. Available from 10 kVA to 50 kVA, for single and three-phase output, complete with or without sound guard, inclusive advanced control panels and all necessary installation parts to ensure a durable installation.

### General description

- 1500 rpm, 1 or 3 phase, 50 Hz
- 1800 rpm, 1 or 3 phase, 60 Hz
- Robust AVR voltage regulation
- Electronic governor for best power quality (optional)
- Aircooled, industrial back-end
- Liquid cooled diesel engine
- Compact and silent

### Features

- Water cooling by radiator
- DDC controls as standard \*)
- All connections pre-mounted
- Plug-and-play installation
- Industrial power quality
- Parallel connection optional
- Ungrounded version optional

### Benefits

- Highest quality standards
- Home design
- Manufactured in Holland
- Various options - flexibility
- World wide distribution and support
- One-stop-shop
- All installations parts from one address.



### DDC Remote

DDC Remote panel as used in the past for our standard versions, still standard supply of our non-Pro and Pro versions

- One touch start button
- V/A/Hz read-out
- Various user menus
- Automatic start/stop.

### From DDC to Deep Sea Controls

Important feature of our new SQ Pro range is the new 7 inch full colour Touch Screen Control which is easy to link to existing analogue or digital networks. Our traditional DDC controls are still used for the non-Pro versions.

### WhisperCare (optional)

Cloud-based monitoring and control, with all essential start/stop/ control functions for operators and end users.

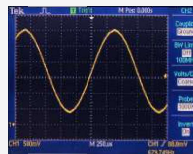
### Some key features and benefits of the new control & power management panels:

- Remote communications (RS232, RS485 x2, Ethernet)
- Genset parallel functionality included (ask for more detail)
- Provides secure and simple off site monitoring
- Front panel mounting
- Enables fault conditions to be resolved quickly and provides instant system information to aid preventative maintenance
- Graphical displays showing, charts, meters, power display, graphs and engine status information
- Information is displayed clearly and in a universal format for all users
- Language by choice.



### Top Cool

See page 34/35 to learn more about our various radiator cooling systems.



### Perfect sinewave

Industrial power quality for a disturbance free power provision for standard and sensitive consumers.



### Service side

One-sided service, perfect access to all maintenance related components.



### Optimal Sound Reduction

Professional, high class, effective sound shield with easy access to all sides of the generator. All models of the SQ range come standard with a robust sound guard with corrosion proof metal plating and heavy insulation material for optimal sound reduction.

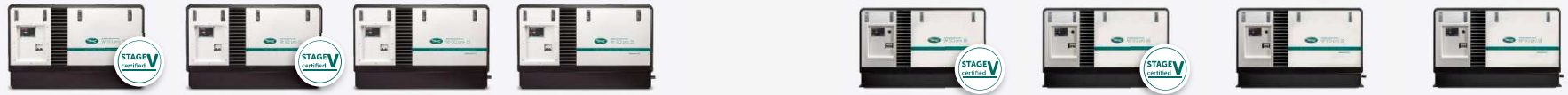
Units can also be delivered without a sound cover. Ask for our OPEN FRAME UNITS without sound shield.



# Technical Specifications

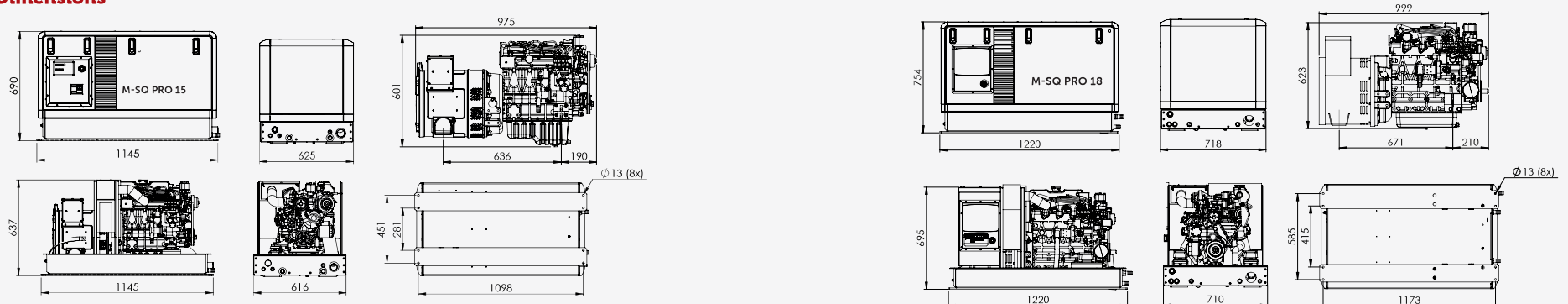
## W-SQ Pro Series

**FIXED  
SPEED  
1500/1800  
RPM**



Art. No.	W-SQ <sup>®</sup> PRO 15 1-PHASE	W-SQ <sup>®</sup> PRO 15 3-PHASE	W-SQ <sup>®</sup> PRO 15 1-PHASE	W-SQ <sup>®</sup> PRO 15 3-PHASE	W-SQ <sup>®</sup> PRO 18 1-PHASE	W-SQ <sup>®</sup> PRO 18 3-PHASE	W-SQ <sup>®</sup> PRO 18 1-PHASE	W-SQ <sup>®</sup> PRO 18 3-PHASE
	41207020-STV (DDC)	41207320-STV (DDC)	41207020 (DDC)	41207320 (DDC)	41208120-STV (DDC)	41208320-STV (DDC)	41208120 (DDC)	41208320 (DDC)
	41207020-STV-DSE (Deep Sea)	41207320-STV-DSE (Deep Sea)	41207020-DSE (Deep Sea)	41207320-DSE (Deep Sea)	41208120-STV-DSE (Deep Sea)	41208320-STV-DSE (Deep Sea)	41208120-DSE (Deep Sea)	41208320-DSE (Deep Sea)
<b>MAIN SPECIFICATIONS</b>								
Intermittent Power kW at 25°C (77°F)	12 kW	12 kW	12.5 kW	12.5 kW	14.5 kW	14.5 kW	16.5 kW	16.5 kW
Continuous power kVA at 25°C (77°F)	13.75 kVA	13.75 kVA	15 kVA	15 kVA	17.5 kVA	17.5 kVA	18.0 kVA	18.0 kVA
Continuous power kW at 25°C (77°F)	11 kW	11 kW	12 kW	12 kW	14 kW	14 kW	16 kW	16 kW
Noise level	55dB	55dB	55dB	55dB	55dB	55dB	55dB	55dB
RPM range	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm
Cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling
Alternator Voltage Regulation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation	AVR, forced ventilation
Nominal voltage / frequency	230 VAC - 50 Hz	400/230 VAC - 50 Hz	230 VAC - 50/60 Hz	400/230 VAC - 50/60 Hz	230 VAC - 50 Hz	400 /230 VAC - 50 Hz	230 VAC - 50 Hz	400/230 VAC - 50 Hz
Peak power 2 s	200 %	200 %	200 %	200 %	200 %	200 %	200 %	200 %
Harmonic distortion	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %
Frequency tolerance	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %
<b>DIESEL ENGINE SPECIFICATIONS</b>								
Type	WhisperPower Kubota V1505 BG	WhisperPower Kubota V1505 BG	WhisperPower Kubota V1505 BG	WhisperPower Kubota V1505 BG	WhisperPower Kubota V2203 M BG	WhisperPower Kubota V2203 M BG	WhisperPower Kubota V2203 M BG	WhisperPower Kubota V2203 M BG
Cylinder, quantity	4	4	4	4	4	4	4	4
Displacement, L (cu. in.)	1.5 (91.5)	1.5 (91.5)	1.5 (91.5)	1.5 (91.5)	2.197 (134)	2.197 (134)	2.197 (134)	2.197 (134)
Bore, mm (in.)	78.0 (3.07)	78.0 (3.07)	78.0 (3.07)	78.0 (3.07)	87 (3.4)	87 (3.4)	87 (3.4)	87 (3.4)
Stroke, mm (in.)	78.4 (3.09)	78.4 (3.09)	78.4 (3.09)	78.4 (3.09)	92.4 (3.6)	92.4 (3.6)	92.4 (3.6)	92.4 (3.6)
Compression ratio	23.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0
Combustion system	IDI	IDI	IDI	IDI	IDI	IDI	IDI	IDI
Nominal speed, rpm	1500	1500	1500	1500	1500	1500	1500	1500
Net Continuous power at rated rpm, kW (HP)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)	12.0 (16.4)
Governor, type	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)	Mechanical (+/-5%)
Angular operation continuous	200	200	200	200	200	200	200	200
<b>DIMENSIONS &amp; WEIGHT</b>								
Length x width x height (cabinet)	1145 x 625 x 690 mm	1145 x 625 x 690 mm	1145 x 625 x 690 mm	1145 x 625 x 690 mm	1220 x 719 x 754 mm	1220 x 719 x 754 mm	1220 x 719 x 754 mm	1220 x 719 x 754 mm
Dry weight	410 kg	410 kg	410 kg	410 kg	495 kg	495 kg	495 kg	495 kg
Dry exhaust	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP	Ø 1.5 inch BSP
Max. operating angle	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions
<b>CONTROL PANEL</b>								
Standard	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller	DDC or Deep Sea controller
Optional	Touch panel 7"	Touch panel 7"	Touch panel 7"	Touch panel 7"	Touch panel 7"	Touch panel 7"	Touch panel 7"	Touch panel 7"
	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Ungrounded
	Keel cooling	Keel cooling	Keel cooling	Keel cooling	Keel cooling	Keel cooling	Keel cooling	Keel cooling
	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating

### Installation Dimensions

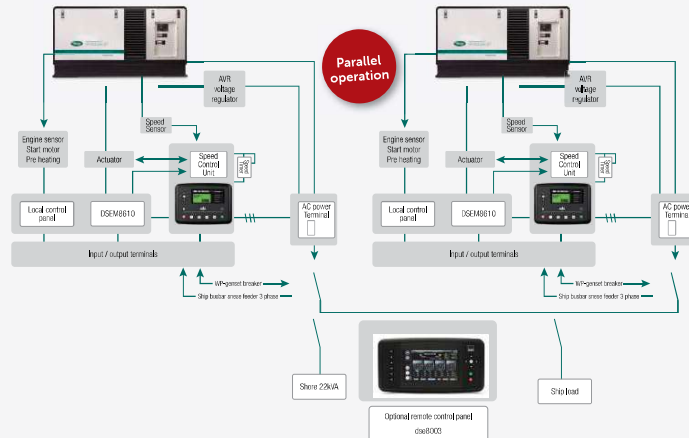




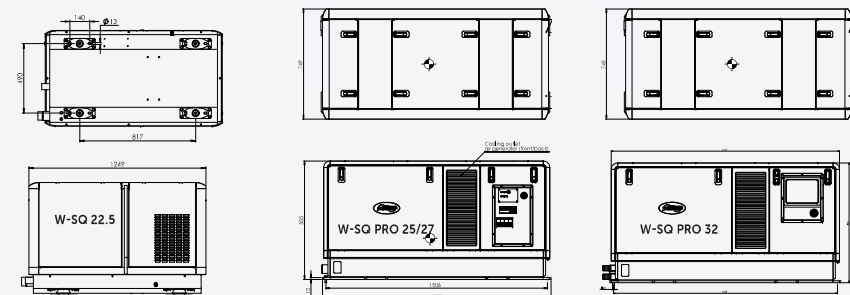
Art. No.	W-SQ <sup>®</sup> 22.5 1-PHASE	W-SQ <sup>®</sup> 22.5 3-PHASE	W-SQ <sup>®</sup> PRO 27 1-PHASE	W-SQ <sup>®</sup> PRO 27 3-PHASE	W-SQ <sup>®</sup> PRO 32 3-PHASE
	41101220 230 VAC / 50 Hz - 22.5 kVA 41101225 120 VAC-240 V / 60 Hz - 25 kVA	41131220 230 VAC - 400 V / 50 Hz - 22.5 kVA	41202020 230 VAC / 50 Hz - 27 kVA	41201320 230 VAC / 50 Hz - 27 kVA	41201420 230 VAC - 400 V / 50 Hz - 32 kVA
<b>MAIN SPECIFICATIONS</b>					
Intermittent Power kW at 25°C (77°F)	22 kW	22 kW	25 kW	25 kW	27 kW
Continuous power kVA at 25°C (77°F)	22.5 kVA	22.5 kVA	27 kVA	27 kVA	32 kVA
Continuous power kW at 25°C (77°F)	20 kW	20 kW	22.5 kW	25 kW	27 kW
Noise level	58dB	58dB	58dB	58dB	58dB
Rpm range	1500/1800 rpm	1500/1800 rpm	1500/1800 rpm	1500/1800 rpm	1500/1800 rpm
Cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling	External radiator cooling
Alternator Voltage Regulation	AVR, forced ventilation	AVR, forced ventilation + EBS	AVR, forced ventilation + EBS	AVR, forced ventilation + EBS	AVR, forced ventilation + EBS
Nominal voltage / frequency	230 VAC / 50 Hz	230 VAC / 50 Hz - 3x 400 VAC	230 VAC / 50 Hz	230 VAC / 50 Hz - 3x 400 VAC	230 VAC / 50 Hz - 3x 400 VAC
Peak power 2 s	200 %	300 %	300 %	300 %	300 %
Harmonic distortion	< 3 %	< 3 %	< 3 %	< 3 %	< 2 %
Frequency tolerance	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %
<b>DIESEL ENGINE SPECIFICATIONS</b>					
Engine	WhisperPower Mitsubishi S4S - 4 cylinder	WhisperPower Mitsubishi S4S - 4 cylinder	WhisperPower Mitsubishi S4S - 4 cylinder	WhisperPower Mitsubishi S4S - 4 cylinder	WhisperPower Mitsubishi S4S - 4 cylinder
Cylinder volume	3331 cc	3331 cc	3331 cc	3331 cc	3331 cc
Bore & stroke	94 x 120 mm	94 x 120 mm	94 x 120 mm	94 x 120 mm	94 x 120 mm
Air consumption	2.8 m <sup>3</sup> /min	2.8 m <sup>3</sup> /min	2.8 m <sup>3</sup> /min	2.8 m <sup>3</sup> /min	2.8 m <sup>3</sup> /min
Cooling system	Indirect	Indirect	Indirect	Indirect	Indirect
Fuel consumption (no load - full load)	1-6 l/hr	1-6 l/hr	1-6 l/hr	1-6 l/hr	1-6 l/hr
Starter battery charge current	12 V / 40 A	12 V / 40 A	12 V / 40 A	12 V / 40 A	12 V / 40 A
<b>DIMENSIONS &amp; WEIGHT</b>					
Length x width x height (cabinet)	1260 x 680 x 800 mm	1260 x 680 x 800 mm	1555 x 749 x 805 mm	1555 x 749 x 805 mm	1555 x 749 x 805 mm
Dry weight	580 kg	580 kg	640 kg	640 kg	640 kg
Dry exhaust / wet exhaust	Ø 2 inch BSP / Ø 63 mm	Ø 2 inch BSP / Ø 63 mm	Ø 2 inch BSP / Ø 63 mm	Ø 2 inch BSP / Ø 63 mm	Ø 2 inch BSP / Ø 63 mm
Oil dipstick	Top & side	Top & side	Top & side	Top & side	Top & side
Max. operating angle	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions
<b>CONTROL PANEL</b>					
Standard	DDC	DDC	DDC	DDC	Deep Sea controller
Optional	Touch panel 7"	Touch panel 7"			
	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Ungrounded
	Keel cooling	Keel cooling	Keel cooling	Keel cooling	Keel cooling
	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating	Crankcase heating
	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz

### Parallel operation optional

We can prepare our SQ Pro generators – both for mobile/ land applications - for parallel operation. In many situations large generators operate half load or less during extended periods which causes malfunction of the generator. WhisperPower's parallel solution is a smart choice, reducing maintenance and fuel costs considerable.



### Installation Dimensions



# Super Quiet Pro | Fixed speed, 50 dBA

## W-SQ Pro 40 CR

Every W-SQ (Super Quiet) Pro 40 WhisperPower diesel generator is designed for non-stop, 1500 rpm operation under harsh circumstances. They are robust, silent, compact and extremely reliable. All W-SQ Pro 40 generators are made in the Netherlands and severely tested in one of the most advanced generator production facilities in the world, before distributed on a world-wide base by dedicated, service orientated, distribution partners.



Regulations regarding diesel generators for mobile use are becoming more stringent. Not only the emission standard (Stage V is a must) but also the noise level is an important theme. For the German market, WhisperPower developed a super-quiet 40 kVA mobile generator that had to meet a noise standard of 50 dBA. That has worked brilliantly. By using lightweight aluminium elements for the composition of the sound box, the total weight has remained under 875 kg. This includes the exhaust After Treatment system containing a Diesel Oxidation Catalyst (DOC) and a DPF (Diesel Particle Filter). Minimal restrictions in the public space one of the many applications of the new W-SQ Pro 40 Stage V generators is the film television.

### Kubota V3800-CR-TE5BG 2 certificates

- Regulation (EU) 2016/1628
- Implementing Regulation (EU) 2018/988
- Delegated Regulations (EU) 2018/987 and (EU) 2018/989

### Engine Features

- Diesel fueled
- Four cylinder
- Four stroke
- Stage V
- Closed cooling system
- Double Top Cool cooling system
- Electric fuel lift pump
- Forklift insertion sleeves
- Emergency stop
- External emergency stop (optional)
- Noise level dBA 1m (7m) 68 (53)
- Low oil pressure shutdown
- High engine temperature shutdown
- Low vibration shock mounts
- Disposable oil filter
- Oil drain pump (optional)
- Disposable water/ fuel filter



### W-SQ<sup>3</sup> PRO 40 3-PHASE

Art. No. 41201620 230 VAC-400 V / 50 Hz - 40 kVA

#### MAIN SPECIFICATIONS

Intermittent Power kW at 25°C (77°F)	40 kW
Continuous power kVA at 25°C (77°F)	40 kVA
Continuous power kW at 25°C (77°F)	35 kW
Noise level	58dB
Rpm range	1500 rpm
Cooling	External radiator cooling
Alternator Voltage Regulation	AVR, forced ventilation
Nominal voltage / frequency	230 VAC / 50 Hz - 3x 400 VAC
Peak power 2 s	300 %
Harmonic distortion	< 3 %
Frequency tolerance	± 5 %

#### DIESEL ENGINE SPECIFICATIONS

Engine	Perkins-Sabre 4.4 GM - 4 cylinder
Cylinder volume	4400 cc
Bore & stroke	105 x 127 mm
Air consumption	3.6 m <sup>3</sup> /min
Cooling system	Indirect
Fuel consumption (no load - full load)	1-10 l/hr
Starter battery charge current	12 V / 60 A

#### DIMENSIONS & WEIGHT

Length x width x height (cabinet)	1658 x 837 x 986 mm
Dry weight	1,008 kg
Dry exhaust / wet exhaust	Ø 2 inch BSP / Ø 76 mm
Oil dipstick	Top & side
Max. operating angle	25° in all directions

#### CONTROL PANEL

Standard	Deep Sea Controller
Optional	Keel cooling Crankcase heating 60 Hz

### INCLUDED



#### Deep Sea Control

- Full engine control
- Robust digital sensor readout
- Full analogue sensor readout
- Full monitoring of conventional generators
- Easy to integrate in PLC with Modbus, CAN or Ethernet
- Possibility for load sharing and synchronization
- Optional auto start and switch over on mains failure
- Remote communications (RS232, RS485 x2, Ethernet)
- Provides secure and simple off site monitoring
- Graphical displays showing, charts, meters, power display, graphs and engine status information
- Information is displayed clearly and in a universal format for all users
- Language by choice, German, English, French, Italian, Dutch and Spanish



#### Top Cool roof cooling system (optional)

- Dimensions: W 1418 x L 584 x D 255 mm
- Radiators and expansion tank pre-installed. Plug and play, only cooling hoses (4) in/ out and 230 VAC to be connected.

### Installation Dimensions

