



Generator Panda 8000 PSC – Specifications



General Technical Data

Model:	Panda 8000 PSC
Generator Type	Premium Line - Panda Standard Asynchronous (50 Hz) <ul style="list-style-type: none">• Brushless• No signal noise• No rotating coils or diodes• Precise control• High protection rating• Perfect sine wave• Short-circuit stability• Water-cooled• Overload protection
Generator Version	8000 <ul style="list-style-type: none">• external 12V fuel pump

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Generator Version:	PSC <ul style="list-style-type: none">• Electrical cabinet• Stainless steel sound cover• Voltage control system• Integrated radiator for temperatures from -20°C up to 35°C• Earthing point on frame• Fuel tank for 24 hours operation (with 50% load)• 12V starter battery
Additional Features	<ul style="list-style-type: none">• 12V/10A Alternator for charging the starter battery
Area of Application.:	Vehicle Generator (V)
Frequency [Hz]	50
Generator manufacturer	Fischer Panda GmbH
Isolation class of windings	H
Voltage Regulation	VCS
Voltage Tolerance with VCS (up to 80% Performance)	± 3V
Power rating factor Cos Pi	0.85
Excitation by	MKP Capacitors

Single Phase Winding - Standard version

Alternator Type	HP1
Nominal Voltage in Volt	230
Nominal Performance in kW	6.80
Nominal Performance in kVA	8.0
Continuous Performance in kW	6.1
Continuous Performance in kVA	7.2



Number of Phases	1
Rated current each Phase in Ampere [A]	29.6
Continuous current each Phase in Ampere	26.5
Frequency [Hz]	50

Three Phase Version (Optional)

Alternator Type	HP3
Nominal Voltage in Volt [V]	400
Nominal Performance in kW	6.80
Nominal Performance in kVA	8.0
Continuous Performance in kW	6.1
Continuous Performance in kVA	7.2
Number of Phases	3
Rated current each Phase in Ampere [A]	9.8
Continuous current each Phase in Ampere [A]	8.8
Frequency [Hz]	50

3 Phase + 1 Phase (230V + 400V) (Optional)

The Alternator Type "DVS" (Dual Voltage System) comprises of two separate windings (1-phase and 3-phase) within the stator. The windings are electrically isolated within same stator. This alternator type has a 12% reduction in performance, compared to the HP1 resp. HP3 winding type because the cross-section of the windings are reduced in order to fit both windings within the housing.

DVS Winding - 1 phase



Alternator Type	DVS
Nominal Voltage in in Volt [V]	230
Nominal Performance (P) in kW	6.0
Nominal Performance (S) in kVA	7.1
Continuous Performance in kW	5.4
Continuous Performance in kVA	6.4
Number of Phases	1
Rated current each Phase in Ampere [A]	15.0
Continuous current each Phase in Ampere [A]	13.5
Frequency [Hz]	50
DVS Winding - 3 phase	
Alternator Type	DVS
Nominal Voltage in Volt [V]	3x400+N
Nominal Performance (P) in kW	6.0
Nominal Performance (S) in kVA	7.1
Continuous Performance in kW	5.4
Continuous Performance in kVA	6.4
Number of Phases	3
Rated current each Phase in Ampere [A]	8.7
Continuous current each Phase in Ampere [A]	7.8
Frequency in Hertz [Hz]	50

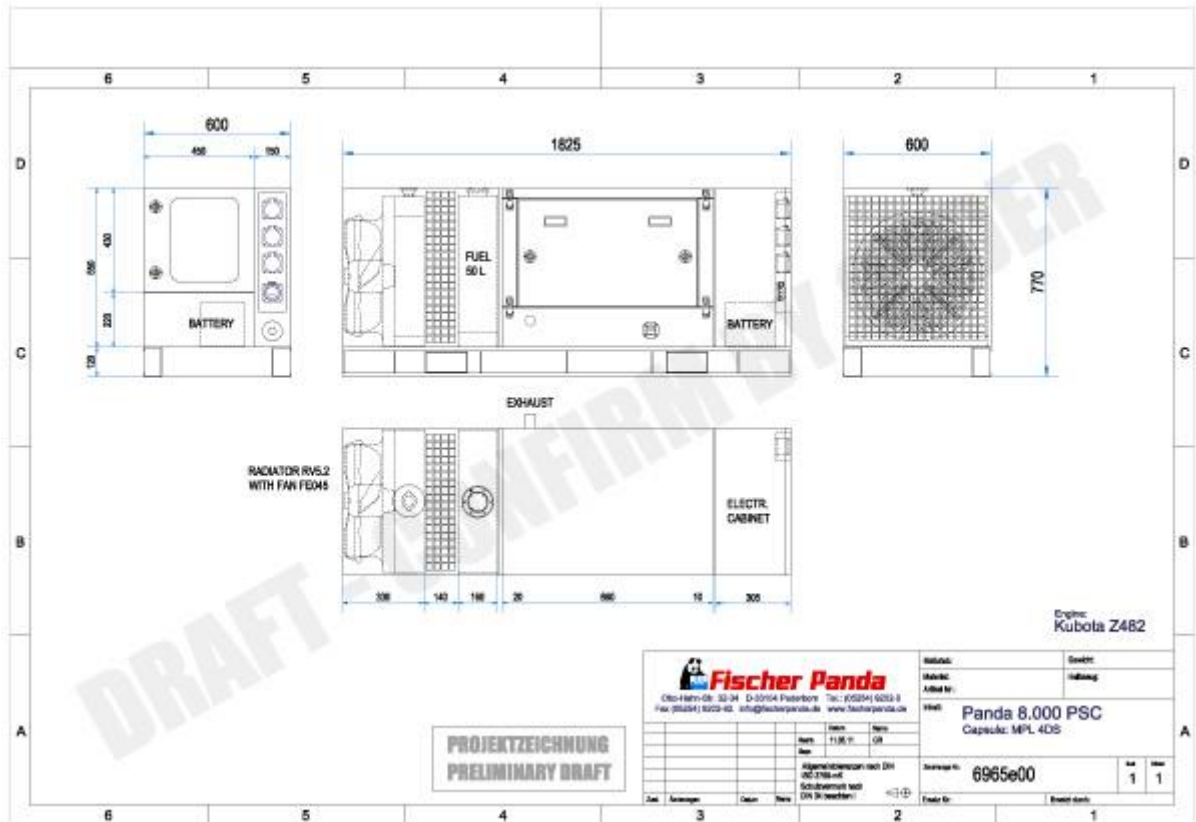


All performance data applies to generator operation at 100m above sea level at 20°C.
Performance reductions can occur when operating at greater heights.

Engine Data


Engine Manufacturer	Kubota (KU)
Engine Type	Z482
No. Cylinders	2
Bore and Displacement [cm ³]	479
Starter System	12V (24V Optional)

Sound Insulation Cover (Generator Housing / Sound Shield)



Version	MPL 4DS
Sound Cover Type	MPL (Metal Professional Line)



	
Sound Insulation Material	4DS
Dimensions Housing L x W x H ^{*)}	Refer to Capsule Drawing of Sound Shield
Total Weight of Generator with Capsule	Refer to Capsule Drawing of Sound Shield
Sound Cover Upgrade Options (on request)	->MPL 6DS