

GenSet KD6/KD9



RedFlow GenSet Products

Diesel Generator Set in a RedFlow enclosure to provide a high quality, reliable and weatherproof unit, to integrate with RedFlow **Power+BOS®** Stand Alone Power Systems.



RedFlow GenSet Advantage

High Quality

RedFlow integrates high Quality KUBOTA generators. System assembly, wiring, control electronics and testing all completed at RedFlow's Brisbane facility.

Easy to Install

Matching with RedFlow Power+BOS systems, GenSet is a palletized product easily handled with conventional forklift or crane equipment. RedFlow GenSet is fully prewired to suit RedFlow Power+BOS products, allowing for minimal onsite installation time.



Reliability

Water cooled diesel engine and direct coupled generator increase reliability and performance of a stand alone system. Large capacity fuel tank minimizes refuelling visits.



Easy Maintenance

Single sided maintenance adds to the efficiency of servicing the GenSet, with Oil, Coolant, Air Cleaner and Start Battery servicing all accessed on one side. Oil changing access is good with containment within the cabinet for any spills.

Safer Operation

Fully automatic engine shutdown is activated if water temperature is too high or oil pressure falls below a safe operating level.

Double element air cleaners are used to protect the engine in dusty environments. Covers are installed on the engine and generator cooling fans to ensure operator safety.

Environmentally safe

Clean emissions, Kubota engines are designed to meet USA EPA Tier 2 regulations, which are the toughest in the world. Fluid containment, GenSet enclosure is fully bunded ensuring any fluid leak such as diesel cannot escape externally of the cabinet. Fluid spills can then be safely pumped into a suitable disposal vessel.

Smart Features

GenSet is fully compatible with RedFlow Power+BOS, Stand Alone Power Systems.

RedFlow Power+BOS can manage intermittent renewable energy supply and utilize the GenSet when other power sources are insufficient or unavailable.

GenSet will standby until instructed to start by the Power+BOS system, this minimises Generator runtime, saving fuel and unnecessary wear while maintaining maximum overall reliability of your power supply.

RedFlow GenSet has large fuel capacity to allow up to 50hrs generator runtime before refuelling, minimizing service visits. Optional low fuel alarm with an audible alarm signal able to be installed remotely.

Fully compatible with Power+BOS remote monitoring systems, available subject to network availability.



GenSet KD6/KD9

TECHNICAL SPECIFICATIONS

Model	KD6	KD9
Destination	Australia	Australia
Alternator		
Frequency Hz	50	50
Rated Output (COP) kW	5.5	8
Max Output kW	6	8.8
Voltage V	240	240
Current A	22.9	33.3
Phase	1	1
Pole	2	2
Power Factor	1	1
Type of Coupling	Direct	Direct
Insulation	Stator: B Rotor: F	Stator: B Rotor: F
Engine		
Type	Vertical, water cooled	Vertical, water cooled
Model	Z482-EB	D722-EB
Rated Output kW	6.9	10.3
Engine Speed rpm	3000	3000
Displacement L	0.479	0.719
Fuel tank capacity L	100	100
Lubricating Oil Capacity L	2.2	3.4
Starting System	Electric	Electric
Set		
Weight (Dry) kg	445	505
Ambient Temperature Range °C	-15 ~ 45	-15 ~ 45
Receptacle	Hardwired	Hardwired
Voltage Meter	Yes	Yes
Voltage Regulator	AVR	AVR
Hour Meter	Yes	Yes
Circuit Breaker	Yes	Yes
Noise Level (@7m) dB(A)	68	68
Fuel Gauge	Sight Gauge	Sight Gauge. Audible Alarm (opt)
Emergency Stop	Abnormal oil pressure, Water temperature	Abnormal oil pressure, Water temperature
Access Terminals for Engine	yes	yes
Transportation	Openings for forklift	Openings for forklift
Start Battery Trickle Charger	Yes	Yes

Warranty. RedFlow's systems use high quality components and are backed by a 5 year limited warranty.



GenSet KD6/KD9 Data Sheet 03/10

ADVANCED ENERGY STORAGE SYSTEMS

RedFlow Systems (ABN 52 128 888 997) is an Australian company that develops and sells energy storage systems into the rapidly growing solar power and electricity utility markets.

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