

Perkins Powered Gensets



THE BASIC PACKAGE

GENERATING SET BUILD

Diesel generating set consists of an engine & alternator mono block unit mounted on a rigid steel base frame with anti vibration mounts and in built fuel tank sufficient for 6-8 hours of operation.

ALTERNATOR

Brushless, self excited, self regulating, Class H drip proof alternator, conforms to main international standards and regulations: IEC60034, NEMA MG 1.22, ISO 8528 etc.

GENERATOR CONTROL PANEL

Fully instrumented output panel, with state of the art generator control module having Low Oil Pressure, High Engine Temperature and Over/Under Frequency protections as standard.

ENGINE

Generating Set is powered by world renowned, 4 stroke, naturally aspirated /turbocharged and water cooled Perkins Engine.

COUPLING

Engine & alternator are coupled through flexible disc coupling on rigid base frame.

FUEL SYSTEM

Rotary fuel injection pump, mechanical/electronic governing conforms to ISO8528-5: 1993 (E), Class G2, ISO 046-4M3, spin-on full flow fuel oil and pre-filter, cold start aid.

LUBRICATING SYSTEM

Forced lubrication system with flat bottomed aluminum sump, spin-on full flow oil filters & oil cooler.

COOLING SYSTEM

Thermostat controlled cooling system with gear driven water pump, fan drive with pusher fan, radiator and piping and fan guard.

STARTING SYSTEM

Electrical manual starting system is supplied as standard, with option to auto starts that includes maintenance free lead acid battery, battery rack and leads and engine driven battery charger.

TESTING & QUALITY CONTROL

Equipment is 100% tested at all stages to ensure quality and reliability of the product.

* RATING DEFINITIONS

Prime Power: Power available at variable load with a load factor not exceeding 80% of the prime power rating. Overload of 10% permitted for 1 hour during every 12 hour operation.

Stand By Power: Power available at variable load in the event of Mains power failure up to a max of 500 hrs per year of which up to 300 hrs may be continuous. No overload is permitted.

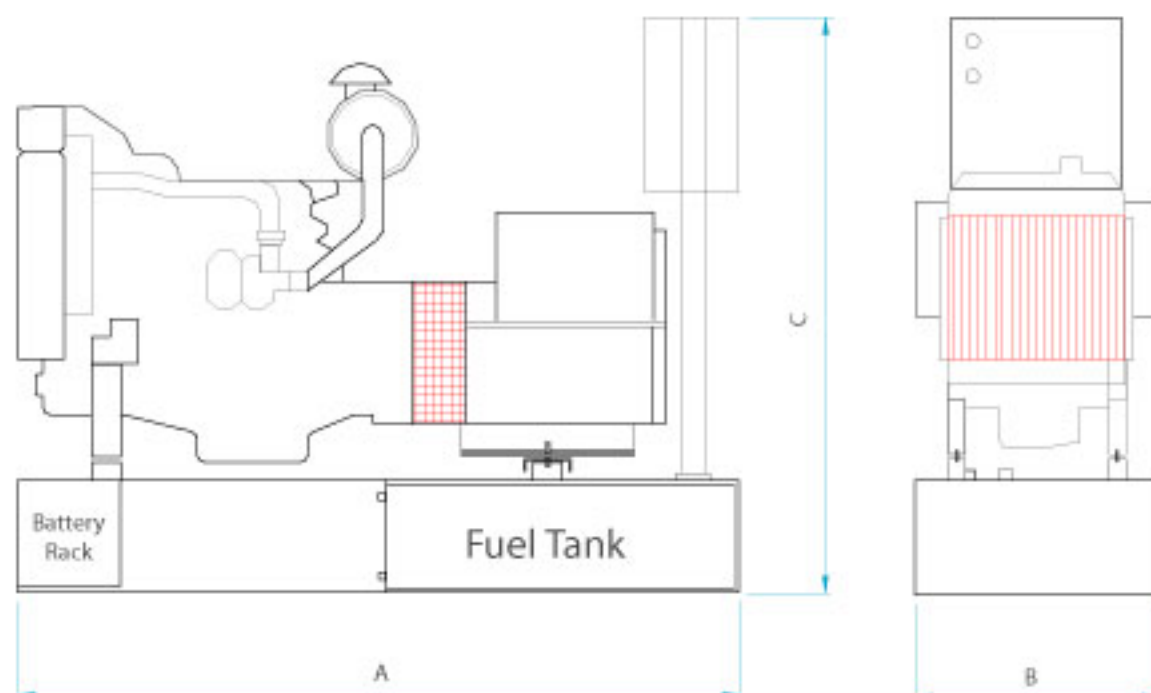
OPTIONS

- Auto start with auto transfer switch panel.
- Manual over-ride system.
- Extra fuel storage tanks
- Acoustic & weather canopies
- Multi sets Synchronizing system
- Road towing two / four wheeler trailer mounted sets

Technical Data

PERKINS POWERED RANGE

Model	Engine	Alternator	Prime		Standby		Shipping				
			KVA	KW	KVA	KW	Length (A) mm	Width (B) mm	Height (C) mm	Net Weight Kg	Vol m ³
PR13L	403C-15G	LSA 37M7	13	10.40	14.30	11.44	1500	515	1400	600Kg	1.50
PR16L	404C-22G	LSA 37VL8	16	12.80	17.60	14.00	1750	560	1400	600Kg	2.00
PR27L	1103A-33G	LSA 42.2M7	27	21.60	29.70	23.76	1750	560	1440	630Kg	2.00
PR30L	1103A-33G	LSA 42.2L9	30	24.00	33.00	26.40	1750	560	1440	630Kg	2.00
PR45L	1103A-33TG1	LSA 43.2 S25	45	36.00	49.50	39.60	1880	680	1450	630Kg	2.50
PR60L	1103A-33TG2	LSA 43.2M45	60	48.00	66.00	52.80	1900	680	1450	910Kg	2.50
PR80L	1104A-44TG2	LSA 43.2L8	80	64.00	88.00	70.40	2030	720	1450	1120Kg	3.00
PR100L	1104C-44TAG2	LSA 44.2VS45	100	80.00	110.00	88.00	2030	720	1450	1465Kg	3.00
PR150L	1006TAG2	LSA 44.2M95	150	120.00	165.00	132.00	2400	900	1635	1485Kg	4.50
PR165L	1306C-E87TG2	LSA 44.2L12	165	132.00	181.50	145.20	2400	900	1635	1485Kg	4.50
PR200L	1306C-E87TG3	LSA 46.2M5	208	166.00	229.00	183.00	2935	925	1605	2035Kg	5.50
PR250L	1306C-E87TAG8	LSA 46.2L6	250	200.00	275.00	220.00	2935	925	1605	2265Kg	5.50
PR300L	2306C-E14TAG1A	LSA 46.2VL12	300	240.00	350.00	280.00	2935	925	1605	2480Kg	5.50
PR350L	2306C-E14TAG2	LSA 47.2VS2	350	280.00	400.00	320.00	3100	925	1605	2480Kg	6.00
PR400L	2306C-E14TAG3	LSA 47.2VS4	400	320.00	450.00	360.00	3100	1410	1725	3485Kg	9.50
PR450L	2806C-E14TAG1	LSA 47.2S5	453	363.00	503.00	403.00	3100	1410	1725	3485Kg	9.50
PR500L	2806C-E14TAG2	LSA 47.2M7	503	403.00	553.00	443.00	3100	1410	1725	3485Kg	9.50



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