

100KVA

Perkins Diesel Generator Set

Note :

Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!



**The picture is only for reference*

6. Criterion

(1) ISO9001:2008 Quality Control System

(2) ISO14001:2008 Environment Control System

(3) Perkins OEM Certificate

Section B. Technical Specification

1. Specification of genset

Gensets model	HL80GF
Prime power	100KVA
Rated Voltage	400/230V
Rated frequency(HZ)	50
Rated Speed	1500rpm
Power Factor(COS ϕ)	0.8(lagging)
Noise (7m) dB(A)	70
Dimensions(mm) (L×W×H)	2800×1150×1600
Net Weight(kg)	1850

2. Specification of diesel engine

Engine brand	Perkins
Engine model	1104C-44TAG2
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged
Fuel System	Rotary
Bore×Stroke (mm×mm)	105x 127
Displacement (Liter)	4,4
Compression Ratio	18.23:1
Speed Governor	Electronic
Cooling System	Forced Water Cooling Cycle
Total lubrication system Min.capacity (L)	5,5
Fuel Consumption at 100% Load (L/h)	22,6
Starting Method	DC12V / 24V electrical starting

3. Specification of alternator

Alternator brand	STAMFORD
Alternator model	UCI274C
Number of Phase	3
Connecting Type	3 Phase and 4 Wires
Number of Bearing	1
Protection Grade	IP23
Altitude	≤1000m
Exciter Type	Brushless ,Self-exciting, AVR automatic voltage reg