



20KW

Perkins Diesel Generator Set

Note :

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



6. Criterion

(1) ISO9001:2008 Quality Control System

(2) ISO14001:2008 Environment Control System

Section B. Technical Specification

1. Specification of genset

Gensets model	HL20GF
Prime power	25KVA
Rated Voltage	380/220V
Rated frequency(HZ)	50
Rated Speed	1500rpm
Power Factor(COS ϕ)	0.8(lagging)
Noise (7m) dB(A)	68
Dimensions(mm) (L×W×H)	1620*700*1340 (Open) 2100*840*2100 (Soundproof)
Net Weight(kg)	534 825

2. Specification of diesel engine

Engine brand	Perkins
Engine model	404D-22TG
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged
Fuel System	BYC A pump
Bore×Stroke (mm×mm)	84x 100
Displacement (Liter)	2,216
Compression Ratio	23.3:1
Speed Governor	Electronic
Cooling System	Forced Water Cooling Cycle
Total lubrication system Min.capacity (L)	10,6
Fuel Consumption at 100% Load (g/KW·h)	246 (at 1500RPM)
Starting Method	DC12V electrical starting

3. Specification of alternator

Alternator brand	Marathon	
Alternator model	GM-24-4	
Number of Phase	3	1
Votage (V)	380	220
Number of Bearing	1	
Protection Grade	IP21	
Altitude	≤1000m	
Exciter Type	Brushless ,Self-exciting, AVR automatic voltage regulating,100% Copper winding wire	
Insulation Class	H	
Telephone Influence Factor (TIF)	≤50	
THF	≤2%	
Voltage Regulation, Steady State	≤±1%	
Transient State Voltage	≤-15%~+20%	