KB / Series

Powered by COOLPOWER

KB4125E Diesel Generating Set

PRP Rating (60)	Hz)	Standby Rating	(60Hz)	Dimensions (L×W×H n	nm)	Weights (kg)	Fuel Tank Capacity (L)
3750kVA/3000k	ΚW	4125kVA/330	00kW	7910×3110×3210		28000	N/A
Standard Confi	Standard Configuration				Test Condition and Standards		
• Engine (Baudou	Engine (Baudouin) Alternator (Leroy-Somer)				Ambient Temperature : ≤40 °C		
Channel Steel E	Channel Steel Base				Relative Humidity : ≤60%, Altitude : ≤1000m		
 24V Charging A 	24V Charging Alternator Air Filter, Diesel Fuel Filter, Lube Oil Filter				• Engine: ISO3046,DIM6271,BS5514		
Control Panel	Control Panel				Alternator: VDE0530,BS5000,NEMA MG21,IEC34.1		
 24V Starter Batte 	24V Starter Battery and Connect Cable				Generator: ISO8528,GB2820		
Flexible Pipe, E	Flexible Pipe, Exhaust Elbow, Industrial Silencer,etc.				Generator Documents O&M Manuals		
Generating Set	Generating Set Output Rating						
Voltage (V)	Hz	Phase	PF	Max. Current (A)		DCP (kVA/kW)	Standby (kVA/kW)
480	60	3	0.8	4961		3750/3000	4125/3300

Engine Technical Data			
Model:	16M55G8D2/6	Rated. Power (kW):	3300
Induction System:	Turbo-charged, After Cooled	Displacement (L):	87.5
Cylindar Arrangament:	64°V Four Cycle	Boro (mm) v Stroko (mm):	180×215

Model:	16M55G8D2/6	Rated. Power (kW):	3300
Induction System:	Turbo-charged, After Cooled	Displacement (L):	87.5
Cylinder Arrangement:	64°V, Four Cycle	Bore (mm) × Stroke (mm):	180×215
Number of Cylinders:	16	Compression Ratio:	16.5:1
Governor Type:	Electronic	Speed (RPM):	1800
Air System			
3			

7 til Oyotoili			
Combustion Air Flow (m³/min):	249.3		
Exhaust System			
Exhaust Gas Flow (m³/min):	832.1	Max. Back Pressure (kPa):	15
Exhaust Gas Temperature (°C):	≤550	Exhaust Outlet Size (mm):	2×φ280
Lubrication System			
Total Oil Capacity (L):	500	Oil Consumption 100% Load (L/h):	1.7
Normal Oil Temperature ($^{\circ}\!\!\mathbb{C}$):	105	Recommended Oil:	API CH-4 15W/40
Cooling System			
Cooling System Capacity (L):	860	Max.Coolant Temperature (℃):	112

Radiator Drive Type:

Radiator Power (kW):





Thermostat Operation Range (°C):

Radiator Cooling Air Flow (m³/min):



82~92

2825



136

Shaft Drive

Fuel Injection Pump: High-pressure common rail Recommended Fuel: BS2869.1988 Class A2 Dies Fuel Consumption 100% Load (L/ h): 837 Fuel Consumption 100% Load (L/ h): 837 Fuel Consumption 110% Load (L/ h): 887 Fuel Consumption 110% Load (L/ h): 887 Fingine Electrical System Voltage: 24VDC Alternator Physical Data Model: LSA 54 2 UL17 Rated Power (kVA): 4125 Phase: 3+1 No. of Bearings: 2 Excitation System: PMG AVR: D550 Connection: 9P. Series Star Insulation Class / Temp Rise: H/F Power Factor: 0.8 Wave form NEAM=TIR: TIF:< 50 Ingress Protection Rating: P23 Wave form IEC=THF: TIF:< 50 Ingress Protection Rating: P23 Wave form IEC=THF: TIF:< 50 Cocling Air (m ³ /s): 3.0 Efficiency: 96.6% Option Engine Control Panel Intelligent Parallel Control Panel Intelligent Remote Control Panel Intelligent Parallel Control Panel Intelligent Para	Fuel System					
Provided	Fuel Injection Pump:	High-pressure common rail	Recommended Fuel:	BS2869:1998 Class A2 Diesel		
Voltage: 24VDC	Fuel Consumption 100% Load (L/ h):	834	Fuel Consumption 110% Load (L/ h):	887		
Alternator Physical Data LSA 54.2 UL17 Rated Power (KVA): 4125	Engine Electrical System					
Model: LSA 54.2 UL17 Rated Power (kVA): 4125 Phase: 3+1 No.of Bearings: 2 Excitation System: PMG AVR: D550 Connection: 3P - Series Star Insulation Class / Temp Rise: H/F Power Factor: 0.8 Wave form NEAM=TIF: TIF.<50	Voltage:	24VDC				
Phase: 3+1	Alternator Physical Data					
Excitation System: PMG AVR: D550 Connection: 3P , Series Star Insulation Class / Temp Rise: H/F Power Factor: 0.8 Wave form NEAM=TIF: TIF:<00 Ingress Protection Rating: IP23 Wave form NEAM=TIF: THF:<2% Winding Pitch: 2/3 Voltage Regulation: ≥45% Cooling Air (m³0s): 3.0 Efficiency: 96.6% Option Engine Control Panel Intelligent Remote Control Panel Intelligent Remote Control Panel Intelligent Paralleling Control Panel □ Jacket Water Heater □ Auto Control Panel □ Jacket Water Heater □ Intelligent Remote Control Panel □ S0°C Radiator □ Intelligent Paralleling Control Panel □ S0°C Radiator □ Rating Control Panel □ Buzzer, Space Heater Control Panel □ ATS (G+G) □ Cooltech □ ATS (G+G) □ ATS (G+G+M) □ Anti-condensation Heater □ ATS Controller □ ATS Controller □ Mydrid Silencer □ Soundproof (Container, Enclosure) □ Hybrid Silencer □ Trailer □ Daily Tank □ Truck, Lighting Truck □ Spare Parts □ 500h Spare Parts □ 2000h Spare Parts	Model:	LSA 54.2 UL17	Rated Power (kVA):	4125		
Connection: 3P	Phase:	3+1	No.of Bearings:	2		
Power Factor: 0.8 Wave form NEAM=TIF: TIF:<50 Ingress Protection Rating: IP23 Wave form IEC=THF: THF:<2% Winding Pitch: 2/3 Voltage Regulation: ≥±5% Cooling Air (m³/s): 3.0 Efficiency: 96.6% Coption	Excitation System:	PMG	AVR:	D550		
Ingress Protection Rating:	Connection:	3P, Series Star	Insulation Class / Temp Rise:	H/F		
Winding Pitch: 2/3 Voltage Regulation: ≥±5% Cooling Air (m³/s)s: 3.0 Efficiency: 96.6% Option Engine Outrol Panel Jacket Water Heater Auto Control Panel Heavy Duty Air Fitter Intelligent Remote Control Panel S0°C Radiator Intelligent Paralleling Control Panel Lube Oil Heater Buzzer, Space Heater Control Panel Alternator ATS Stamford ATS (G+M) Marathon ATS (G+G) Anti-condensation Heater ATS (G+G+M) Anti-condensation Heater ATS Controller ACcessory Canopy Hybrid Silencer Soundproof (Container, Enclosure) Residential Silencer Trailer Daily Tank Truck, Lighting Truck Container Protected Container Protected Sound Spare Parts 3000h Spare Parts	Power Factor:	0.8	Wave form NEAM=TIF:	TIF:<50		
Cooling Air (m³/s): Doption Engine Control Panel Jacket Water Heater Heavy Duty Air Filter Heavy Duty Air Filter Lube Oil Heater Atts Stamford Arts (G+M) Arts (G+G) Cooltech Anti-condensation Heater Atts Controller Atts Controller Atts Controller Atts Control Panel Atts Control Panel Atts (G+G+G) Cooltech Anti-condensation Heater Atts Controller Trailer Daily Tank Truck. Lighting Truck Container Protected Trucks Lighting Truck Container Protected Trucks Lighting Truck Container Protected Coolte Soon Spare Parts	Ingress Protection Rating:	IP23	Wave form IEC=THF:	THF:<2%		
Control Panel □ Jacket Water Heater □ Auto Control Panel □ Heavy Duty Air Filter □ Intelligent Remote Control Panel □ 50°C Radiator □ Intelligent Paralleling Control Panel □ Lube Oil Heater □ Buzzer, Space Heater Control Panel Atternator ATS □ Stamford □ ATS (G+M) □ Marathon □ ATS (G+G) □ Cooltech □ ATS (G+G+M) □ Arts Controller □ ATS Controller □ □ Accessory Canopy □ Hybrid Silencer □ Soundproof (Container、Enclosure) □ Residential Silencer □ Trailer □ Daily Tank □ Truck、Lighting Truck □ □ Container Protected □ □ Container Protected □ □ Sounds Spare Parts □ 500h Spare Parts □ 2000h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	Winding Pitch:	2/3	Voltage Regulation:	≥±5%		
Engine Jacket Water Heater Heavy Duty Air Filter Intelligent Remote Control Panel Lube Oil Heater Atts Atts Atts Atts Atternator Atts Stamford Atts (G+M) Atts (G+G) Cooltech Atts (G+G+M) Atts Controller Atts Controller Atts Controller Time. Atts Controller Time. Atts Container Protected Cooltainer Protected Cooltainer Parts Sound Spare Parts Sound Control Panel Auto Control Panel Auto Control Panel Auto Control Panel Auto Control Panel Intelligent Remote Control Panel Auto Control Panel Auto Control Panel Atts (G+G+M) ATS (G+G+M) ATS (G+G+M) ATS (G+G+M) ATS Controller ATS Controller Time. Accessory Canopy Canopy Canopy Canopy Canopy Container Protected Container	Cooling Air (m ³ /s):	3.0	Efficiency:	96.6%		
□ Jacket Water Heater □ Heavy Duty Air Fitter □ Intelligent Remote Control Panel □ 50°C Radiator □ Intelligent Paralleling Control Panel □ Lube Oil Heater □ Buzzer, Space Heater Control Panel □ Lube Oil Heater □ ATS □ Stamford □ ATS (G+M) □ Marathon □ ATS (G+G+M) □ Anti-condensation Heater □ ATS Controller □ ACCESSORY □ Canopy □ Hybrid Silencer □ Residential Silencer □ Daily Tank □ Daily Tank □ Truck, Lighting Truck □ □ Container Protected □ □ Spare Parts □ 500h Spare Parts □ 2000h Spare Parts □ 3000h Spare Parts	Option					
Heavy Duty Air Filter So'C Radiator	Engine		Control Panel			
□ 50°C Radiator □ Intelligent Paralleling Control Panel □ Lube Oil Heater □ Buzzer, Space Heater Control Panel □ Atlernator □ ATS □ Stamford □ ATS (G+M) □ Marathon □ ATS (G+G+M) □ Cooltech □ ATS (G+G+M) □ Anti-condensation Heater □ ATS Controller □ □ Canopy □ Hybrid Silencer □ Soundproof (Container、 Enclosure) □ Residential Silencer □ Trailer □ Daily Tank □ Truck、 Lighting Truck □ □ Container Protected □ □ Container Protected □ □ Spare Parts □ 500h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	□ Jacket Water Heater		□ Auto Control Panel			
Lube Oil Heater ATS Stamford ATS (G+M) ATS (G+G) Cooltech ATS (G+G+M) ATS (G+G+M) ATS (G+G+M) ATS Controller ATS Controller ATS Controller ATS Controller Truiter Daily Tank Truck Lighting Truck Container Protected Spare Parts 500h Spare Parts 1000h Spare Parts 3000h Spare Parts 3000h Spare Parts 3000h Spare Parts	□ Heavy Duty Air Filter		□ Intelligent Remote Control Panel			
Alternator Stamford ATS (G+M) ATS (G+G) Cooltech ATS (G+G+M) ATS Controller ATS Controller ATS Controller ATS Controller Trailer Daily Tank Truck, Lighting Truck Container Protected Container Protected Spare Parts 500h Spare Parts 2000h Spare Parts 3000h Spare Parts 3000h Spare Parts	□ 50°C Radiator		 Intelligent Paralleling Control Panel 			
Stamford Marathon ATS (G+M) Cooltech ATS (G+G+M) ATS Controller ATS Controller Canopy Hybrid Silencer Soundproof (Container、Enclosure) Residential Silencer Daily Tank Truck, Lighting Truck Container Protected Container Protected Spare Parts 500h Spare Parts 2000h Spare Parts 3000h Spare Parts	□ Lube Oil Heater		□ Buzzer, Space Heater Control Panel			
□ Marathon □ ATS (G+G) □ Cooltech □ ATS (G+G+M) □ Anti-condensation Heater □ ATS Controller □ Accessory □ Canopy □ Hybrid Silencer □ Soundproof (Container、Enclosure) □ Residential Silencer □ Trailer □ Daily Tank □ Truck、Lighting Truck □ □ Container Protected □ Spare Parts □ 500h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	Alternator		ATS			
Cooltech Anti-condensation Heater ATS (G+G+M) ATS Controller Accessory Canopy Hybrid Silencer Soundproof (Container、Enclosure) Trailer Daily Tank Truck、Lighting Truck Container Protected Spare Parts Sound Protected 2000h Spare Parts 3000h Spare Parts 3000h Spare Parts	□ Stamford		□ ATS (G+M)			
Cooltech Anti-condensation Heater ATS (G+G+M) ATS Controller Accessory Canopy Hybrid Silencer Soundproof (Container、Enclosure) Trailer Daily Tank Truck、Lighting Truck Container Protected Spare Parts Sound Protected 2000h Spare Parts 3000h Spare Parts 3000h Spare Parts	□ Marathon		□ ATS (G+G)			
Accessory Canopy Soundproof (Container、Enclosure) Trailer Daily Tank Truck、Lighting Truck Container Protected	□ Cooltech		□ ATS (G+G+M)			
Accessory Hybrid Silencer Soundproof (Container、Enclosure) Residential Silencer Trailer Daily Tank Truck、Lighting Truck Container Protected Spare Parts 500h Spare Parts 2000h Spare Parts 3000h Spare Parts	□ Anti-condensation Heater		□ ATS Controller			
□ Hybrid Silencer □ Residential Silencer □ Daily Tank □ Truck、Lighting Truck □ □ Container Protected □ Spare Parts □ 500h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	o		·····			
□ Hybrid Silencer □ Residential Silencer □ Daily Tank □ Truck、Lighting Truck □ □ Container Protected □ Spare Parts □ 500h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	Accessory		Canopy			
□ Residential Silencer □ Trailer □ Daily Tank □ Truck、Lighting Truck □ □ Container Protected □ Spare Parts □ 500h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	□ Hybrid Silencer					
Daily Tank Daily Tank Container Protected	,					
Container Protected Container Contai						
Spare Parts 500h Spare Parts 1000h Spare Parts 3000h Spare Parts 3000h Spare Parts						
□ 500h Spare Parts □ 2000h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts						
□ 500h Spare Parts □ 2000h Spare Parts □ 1000h Spare Parts □ 3000h Spare Parts	Spare Parts					
□ 1000h Spare Parts □ 3000h Spare Parts			□ 2000h Spare Parts			
· · · · · · · · · · · · · · · · · · ·			·			
	·		·			

Warranty

Warranty period for the standby unit is two years from the date of delivery to the site (with no more than 500 operating hours per year)

or one year from the date of installation and commissioning (with no more than 500 operating hours per year), whichever comes first.

Please refer to the Cooltech warranty manual for details.

Consumable parts (air filter, fuel filter, lube oil filter). This warranty does not apply to malfunctions caused by damage, misuse, repair or service by unauthorized persons. Any and all warranty repairs must be authorized by CP Power Solutions prior.







