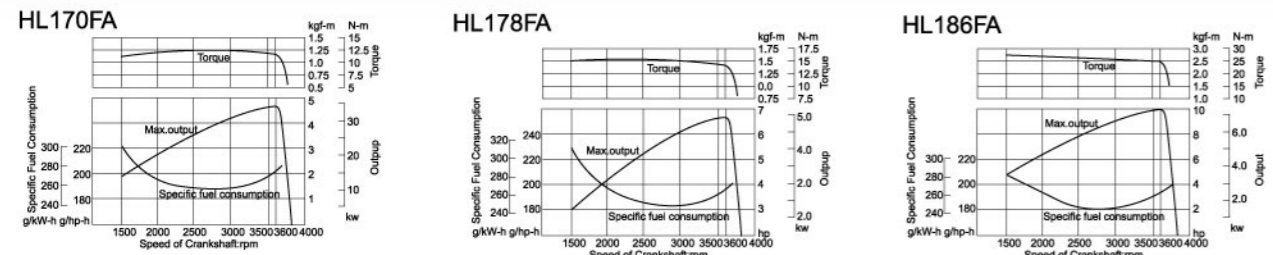


Cast quality brand, service achievements future



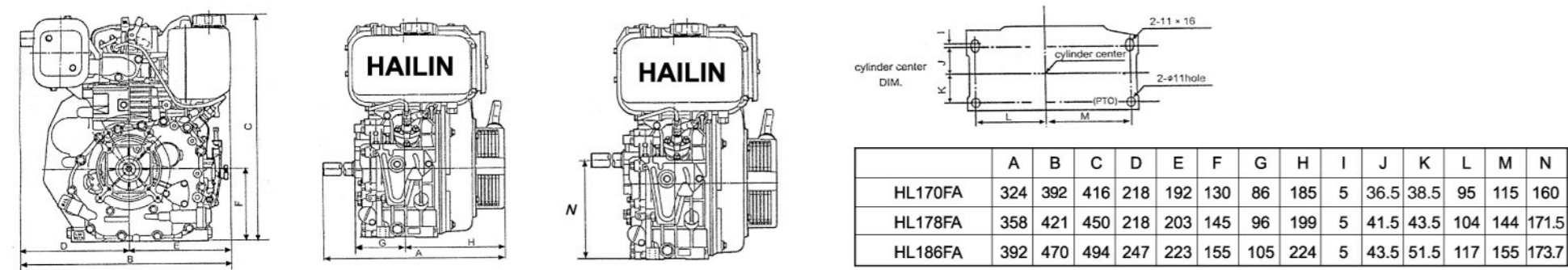
**PERFORMANCE CURVES:**



**Performance measured after 30 hours running-in, with air cleaner and exhaust silencer.**

Atmospheric conditions: ISO 3046/I  
 Barometric pressure: 760mmHg[750mmHg]  
 Intake air temperature: 20°C [27°C ]  
 Relative humidity: 60%[60%]

**OVERALL DIMENSIONS AND INSTALLATION:**



**Application code:**

- |  |   |   |   |
|--|---|---|---|
| <b>CL</b><br>*Large fuel tank<br>*Control panel                      | <b>E</b><br>*Electric start               | <b>STANDARD</b><br>*Automatic air bleeding mechanism<br>*AC Voltmeter<br>*DC output<br>*AC Circuit breakers<br>*Optional dual voltage at Full-power<br>*DC overcurrent protection<br>*Extra large fuel tank with fuel gauge<br>*Large capacity silent muffler | <b>OPTIONAL</b><br>*Low oil shutdown<br>*4-wheel kit<br>*Electric starter<br>*Battery |
| <b>CX</b><br>*Large fuel tank<br>*Control panel<br>*Low oil shutdown | <b>W</b><br>*Welding & generating machine |   |   |

►►► Specification and technical data

Model	HL2500CL(HL2500CLE)	HL2500CX(HL2500CXE)	HL4000CL(HL4000CLE)	HL4000CX(HL4000CXE)	HL5500CL(HL5500CLE)	HL5500CX(HL5500CXE)
Rated frequency (Hz)	50	60	50	60	50	60
Rated output (kVA)	1.8	2.0	2.8	3.0	4.5	5.0
Max power (kVA)	2.0	2.2	3.0	3.3	5.0	5.5
Rated voltage (V)	120,220,230,240,110/220,120/240		120,220,230,240,110/220,120/240		120,220,230,240,110/220,120/240	
Rated rotation speed (rpm)	3000	3600	3000	3600	3000	3600
Phase number	Single-phase		Single-phase		Single-phase	
Power factor (cos φ)	1.0		1.0		1.0	
Excitation	Brushless, self-excitation		Brushless, self-excitation		Brushless, self-excitation	
DC output	12V/8.3A		12V/8.3A		12V/8.3A	
Work method	15 hours continuous running		12 hours continuous running		8 hours continuous running	
Structure model	Open-frame		Open-frame		Open-frame	
Connection mode	Transmission shaft rigid coupling		Transmission shaft rigid coupling		Transmission shaft rigid coupling	
Short circuit protection system	With		With		With	
Dry weight (kg)	54(58)*		64(68)*		98(102)*	
Overall dimension (L x W x H) (mm)	625 x 455 x 520		690 x 455 x 545		700 x 465 x 600	
Engine model	HL170FAG2(HL170FAG2E)*		HL178FAG3(HL178FAG3E)*		HL186FAG3(HL186FAG3E)*	
Type	Single cylinder,4-stroke,air-cooled, direct injection,diesel engine		Single cylinder,4-stroke,air-cooled, direct injection,diesel engine		Single cylinder,4-stroke,air-cooled, direct injection,diesel engine	
Rated power (HP)	3.4		3.8		5.0	
Bore x Stroke (mm)	70 x 57		78 x 64		86 x 72	
Displacement (cc)	219		306		418	
Cooling system	Forced air-cooled		Forced air-cooled		Forced air-cooled	
Lubrication system	Forced lubrication via trochoid pump		Forced lubrication via trochoid pump		Forced lubrication via trochoid pump	
Lube oil capacity (L)	0.8		1.1		1.65	
Starting system	Recoil or Recoil/Electric		Recoil or Recoil/Electric		Recoil or Recoil/Electric	
Fuel tank capacity (L)	12.5		12.5		12.5	
Lube oil brand	CC or CD grade		CC or CD grade		CC or CD grade	
Low oil pressure alarm system	CL/CLE:without	CX/CXE:with	CL/CLE:without	CX/CXE:with	CL/CLE:without	CX/CXE:with

(\*)\*:Electric starter



**HL2500CLE**



**HL4000CXE**



**HL5500CXE**

# DIESEL ENGINE GENERATOR



**HL5500CX3E**

►► Specification and technical data

GENERATOR SET	Model	HL5500CL3(HL5500CL3E)HL5500CX3(HL5500CX3E)	
	Rated frequency (Hz)	50	60
	Rated output (kVA)	5.6	6.3
	Max power (kVA)	6.3	6.9
	Rated voltage (V)	220/380, 230/400, 240/415	
	Rated rotation speed (rpm)	3000	3600
	Phase number	Three-phase	
	Power factor (cos φ)	0.8	
	Excitation method	Controllable silicon self-excitation(AVR)	
	DC output	12V/8.3A	
ENGINE	Work method	8 hours continuous running	
	Structure model	Open-frame	
	Connection mode	Transmission shaft rigid coupling	
	Short circuit protection system	With	
	Dry weight(kg)	98(102)*	
	Overall dimension (L x W x H) (mm)	700 x 465 x 600	
	Engine model	HL186FAG3(HL186FAG3E)*	
	Type	single cylinder,4-stroke,air-cooled, direct injection,diesel engine	
	Rated power (HP)	7.7	8.6
	Bore x Stroke (mm)	86 x 72	
Displacement (cc)	418		
Cooling system	Forced air-cooled		
Lubrication system	Forced lubrication via trochoid pump		
Lube oil capacity (L)	1.65		
Starting system	Recoil or Recoil/Electric		
Fuel tank capacity (L)	12.5		
Lube oil brand	CC or CD grade		
Low oil pressure alarm system	CL/CLE:without CX/CXE:with		

(\*)※:Electric starter

►► Specification and technical data

Welder and Generator SET	Generating Working State(AC)	Set Type	HL5500CXW(HL5500CXWE)	
		Rated frequency (Hz)	50	60
		Rated output (kVA)	4.5	5.0
		Max power (kVA)	5.0	5.5
		Rated voltage (V)	110,120,220,230,240,110/220,120/240	
		Rated rotation speed (rpm)	3000	3600
		Phase number	Single-phase	
		Power factor (cos φ)	1.0	
		Excitation method	Controllable silicon self-excitation(AVR)	
		DC output	12V/8.3A	
Working State(DC)	ENGINE	Work method	8 hours continuous running	
		Structure model	Open-frame	
		Connection mode	Transmission shaft rigid coupling	
		Short circuit protection system	With	
		Welding No-Load welding voltage(DC)(V)	75	
		Rated welding current (DC)(A)	180	190
		Welding operating voltage(DC)(V)	20-30	
		Welding current adjustment scope(A)	30-180	30-190
		Electrode φ (mm)	1.0-4.0	
		Welding load continuous ratio	60%	
Engine model	HL186FAG3(HL186FAG3E)*			
Starting system	Recoil or Recoil/Electric			
Fuel tank capacity (L)	12.5			
Low oil pressure alarm system	with			
Dry weight (kg)	100(105)*			
Overall dimension (L x W x H) (mm)	700 x 465 x 660			

(\*)※:Electric starter



**HL5500CXWE**



**HL3500SE**



**HL5000SE**

►► Specification and technical data

GENERATOR SET	Model	HL3500SE		HL5000SE		
	Type	Brushless,self-exciting,2-poles,single phase				
	Voltage regulator	Condenser type				
	AC output	Frequency	50HZ	60HZ	50HZ	60HZ
		Rated voltage	110V,120V,220V,230V,240V,110V/220V,120V/240V			
		Rated output	2.8kVA	3.0kVA	4.2 kVA	4.5 kVA
		Maximum output	3.0kVA	3.3kVA	4.5 kVA	4.8 kVA
	DC output	12V-8.3A		12V-8.3A		
	Power factor	1.0		1.0		
	Over current protector	Fuseless circuit breaker				
ENGINE	Model	HL178FAG3E		HL186FAG3E		
	Type	Hailin air-cooled,4-stroke,diesel engine				
	Displacement	306CC		418CC		
	Fuel	Diesel light oil				
	Fuel tank capacity	14L				
	Continuous operating hours at rated output	10hr	9hr	9hr	8hr	
	Lube oil brand	CC or CD grade		CC or CD grade		
	Starting system	Electric starter		Electric starter		
	Dimensions(L x W x H)	850 x 530 x 740mm		920 x 530 x 740mm		
	Dry Weight	135kg		165kg		
Noise Level (rated at 7m)	69dBA	70dBA	70dBA	71dBA		

**STANDARD**

- Automatic air bleeding mechanism
- DC output
- AC/DC Circuit breakers
- Full-power switch on dual voltage
- Extra large fuel tank with fuel gauge
- Low oil warnig and automatic stop system
- Large capacity silent muffler
- 4-wheel kit
- Electric Starter

►► Specification and technical data

GENERATOR SET	Model	HL5000SE3	
	Rated frequency (Hz)	50	60
	Rated output (kVA)	5.6	6.3
	Max power (kVA)	6.3	6.9
	Rated voltage (V)	220/380, 230/400, 240/415	
	Rated rotation speed (rpm)	3000	3600
	Phase number	Three-phase	
	Power factor (cos φ)	0.8	
	Excitation method	Controllable silicon self-excitation(AVR)	
	DC output	12V/8.3A	
ENGINE	Over current protector	Fuseless circuit breaker	
	Model	HL186FAG3E	
	Type	Hailin air-cooled,4-stroke,diesel engine	
	Displacement	418CC	
	Fuel	Diesel light oil	
	Fuel tank capacity	14L	
	Continuous operating hours at rated output	9hr	8hr
	Lube oil brand	CC or CD grade	
	Starting system	Electric starter	
	Dimensions(L x W x H)	920 x 530 x 740mm	
Dry Weight	165kg		
Noise Level (rated at 7m)	70dBA	71dBA	

(\*)※:Electric starter



**GF4000CXE**



**GF5500CXE**

**STANDARD**

- Automatic air bleeding mechanism
- DC output
- AC/DC Circuit breakers
- Full-power switch on dual voltage
- Extra large fuel tank with fuel gauge
- 2-wheel kit

**OPTIONAL**

- Low oil shutdown
- Electric Starter
- Battery

►► Specification and technical data

Model	GF4000CL(GF4000CLE)GF4000CX(GF4000CXE)		GF5500CL(GF5500CLE)GF5500CX(GF5500CXE)	
	Rated frequency (Hz)	50	60	50
Rated output (kVA)	2.8	3.0	4.5	5.0
Max power (kVA)	3.0	3.3	5.0	5.5
Rated voltage (V)	110,120,220,230,240,110/220,120/240		110,120,220,230,240,110/220,120/240	
Rated rotation speed (rpm)	3000	3600	3000	3600
Phase number	Single-phase		Single-phase	
Power factor (cos φ)	1.0		1.0	
Excitation	Brushless self-excitation		Brushless self-excitation	
DC output	12V/8.3A		12V/8.3A	
Work method	12 hours continuous running		8 hours continuous running	
Structure model	Open-frame		Open-frame	
Connection mode	Transmission shaft rigid coupling		Transmission shaft rigid coupling	
Short circuit protection system	With		With	
Dry weight (kg)	102	106	115	119
Overall dimension (L x W x H) (mm)	745 x 515 x 665		745 x 515 x 725	
Engine model	HL178FAG3(HL178FAG3E)*		HL186FAG3(HL186FAG3E)*	
Type	Single cylinder,4-stroke,air-cooled, direct injection,diesel engine		Single cylinder,4-stroke,air-cooled, direct injection,diesel engine	
Rated power (HP)	5.0	5.5	7.7	8.6
Bore x Stroke (mm)	78 x 64		86 x 72	
Displacement (cc)	306		418	
Cooling system	Forced air-cooled		Forced air-cooled	
Lubrication system	Forced lubrication via trochoid pump		Forced lubrication via trochoid pump	
Lube oil capacity (L)	1.1		1.65	
Starting system	Recoil or Recoil/Electric		Recoil or Recoil/Electric	
Fuel tank capacity (L)	12.5		12.5	
Low oil pressure alarm system	CL/CLE:without	CX/CXE:with	CL/CLE:without	CX/CXE:with

( )\*:Electric starter

►► Specification and technical data

Model	GS2500CXE		GS4000CXE	
	Rated frequency (Hz)	50	60	50
Rated output (kVA)	1.8	2.0	2.8	3.0
Max power (kVA)	2.0	2.2	3.0	3.3
Rated voltage (V)	120,220,230,240,110/220,120/240		120,220,230,240,110/220,120/240	
Rated rotation speed (rpm)	3000	3600	3000	3600
Phase number	Single-phase		Single-phase	
Power factor (cos φ)	1.0		1.0	
Excitation	Brushless, self-excitation		Brushless, self-excitation	
DC output	12V/8.3A		12V/8.3A	
Work method	15 hours continuous running		12 hours continuous running	
Structure model	Open-frame		Open-frame	
Connection mode	Transmission shaft rigid coupling		Transmission shaft rigid coupling	
Short circuit protection system	With		With	
Dry weight (kg)	54(58)*		64(68)*	
Overall dimension (L x W x H) (mm)	625 x 455 x 520		690 x 455 x 545	
Engine model	HL170FAG2(HL170FAG2E)*		HL178FAG3(HL178FAG3E)*	
Type	Single cylinder,4-stroke,air-cooled, direct injection,diesel engine		Single cylinder,4-stroke,air-cooled, direct injection,diesel engine	
Rated power (HP)	3.4	3.8	5.0	5.5
Bore x Stroke (mm)	70 x 57		78 x 64	
Displacement (cc)	219		306	
Cooling system	Forced air-cooled		Forced air-cooled	
Lubrication system	Forced lubrication via trochoid pump		Forced lubrication via trochoid pump	
Lube oil capacity (L)	0.8		1.1	
Starting system	Recoil or Recoil/Electric		Recoil or Recoil/Electric	
Fuel tank capacity (L)	12.5		12.5	
Lube oil brand	CC or CD grade		CC or CD grade	
Low oil pressure alarm system	CL/CLE:without	CX/CXE:with	CL/CLE:without	CX/CXE:with

( )\*:Electric starter

**NEW!**



**GS4000CXE**

**STANDARD**

- \*Automatic air bleeding mechanism
- \*AC Voltmeter
- \*DC output
- \*AC Circuit breakers
- \*Optional dual voltage at Full-power
- \*DC overcurrent protection
- \*Extra large fuel tank with fuel gauge
- \*Large capacity silent muffler

**OPTIONAL**

- \*Battery

