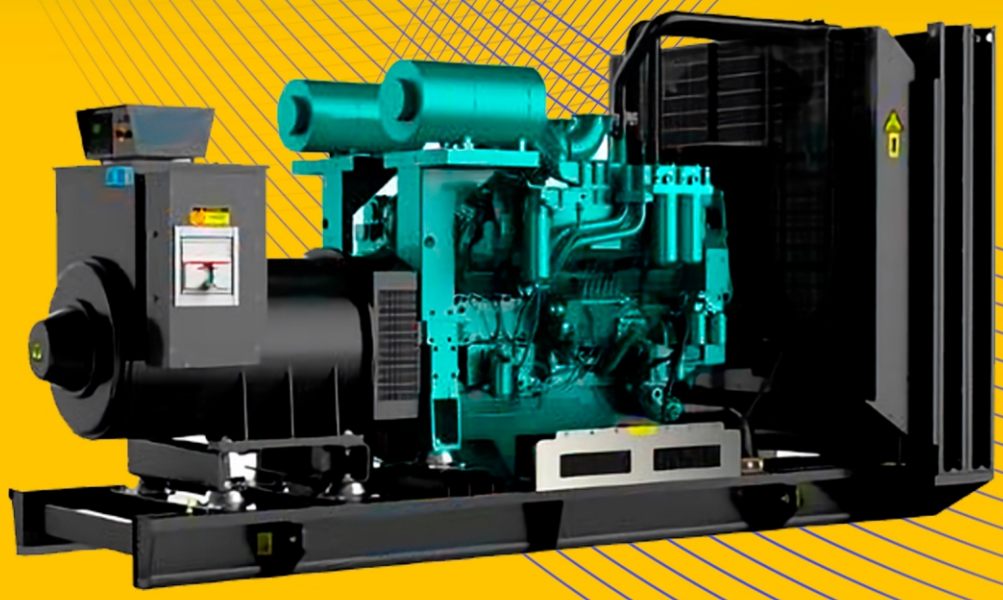
VINAR

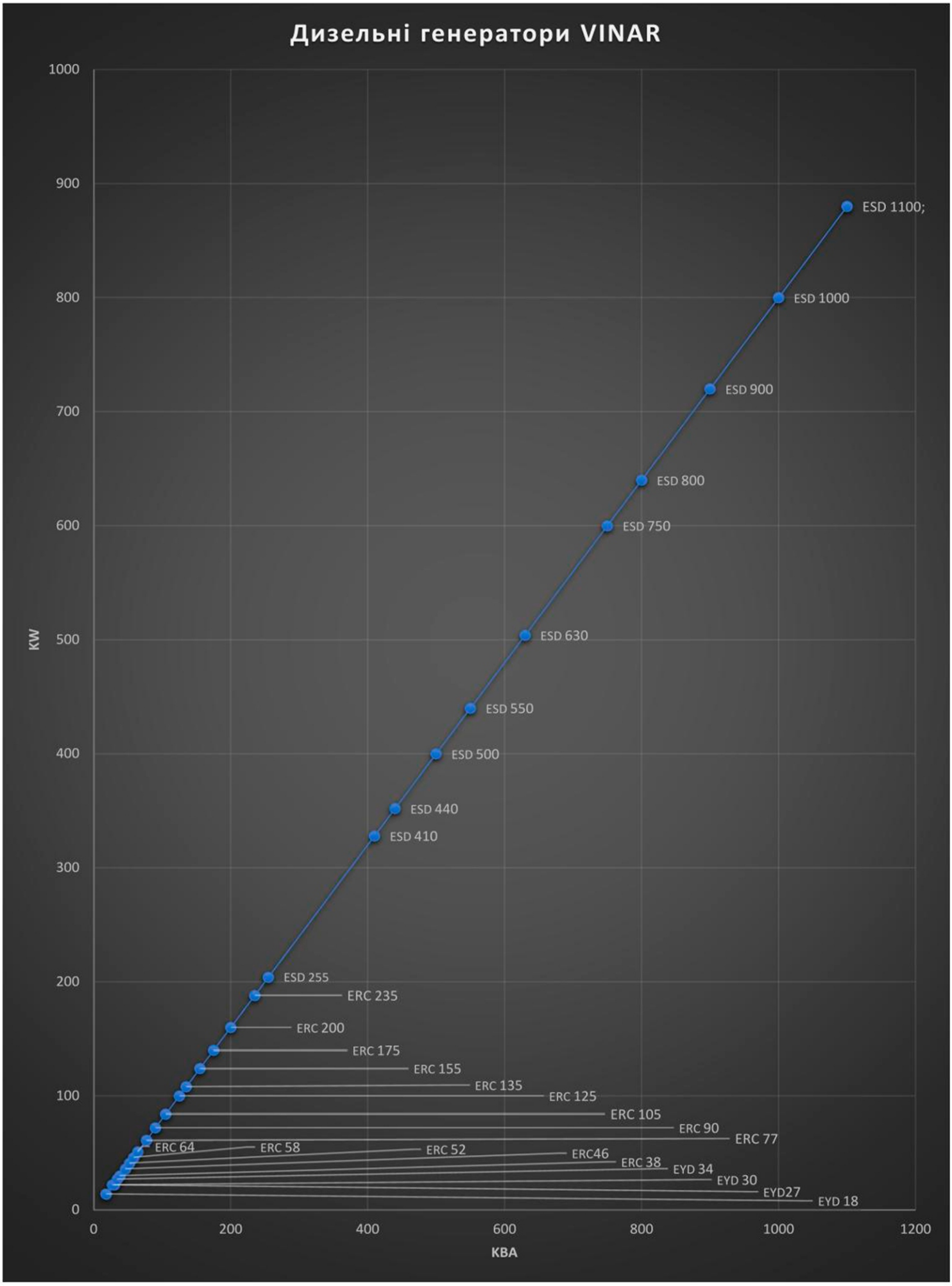
Технічний каталог
Генератори







18-1100 kBa


Дизельні генератори VINAR
KW
KBA
0
100
200
300
400
500
600
700
800
900
1000
0
200
400
600
800
1000
1200
ESD 1100;
ESD 1000
ESD 900
ESD 800
ESD 750
ESD 630
ESD 550
ESD 500
ESD 440
ESD 410
ESD 255
ERC 235
ERC 200
ERC 175
ERC 155
ERC 135
ERC 125
ERC 105
ERC 90
ERC 77
ERC 64
ERC 58
ERC 52
ERC46
ERC 38
EYD 34
EYD 30
EYD27
EYD 18

VINAR



EYD-18

STAND-BY: **18** kVA

STAND-BY: **14,4** kW

PRIME: **16,2** kVA

PRIME: **12,96** kW

СТР. 3-6



EYD-27

STAND-BY: **27** kVA

STAND-BY: **21,6** kW

PRIME: **24,3** kVA

PRIME: **19,44** kW

СТР. 6-9



EYD-30

STAND-BY: **30** kVA

STAND-BY: **24** kW

PRIME: **27** kVA

PRIME: **21,6** kW

СТР. 9-11



EYD-34

STAND-BY: **34** kVA

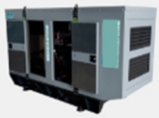
STAND-BY: **27,2** kW

PRIME: **30,6** kVA

PRIME: **24,48** kW

СТР. 11-13

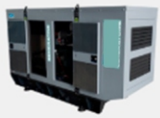
VINAR



ERC-38
CTP. 18-20

STAND-BY: **38** kVA

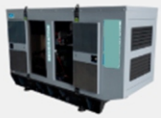
STAND-BY: **30,4** kW



ERC-46
CTP. 21-23

STAND-BY: **46** kVA

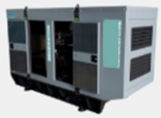
STAND-BY: **36,8** kW



ERC-52
CTP. 24-26

STAND-BY: **52** kVA

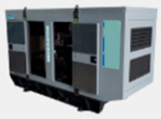
STAND-BY: **41,6** kW



ERC-58
CTP. 27-29

STAND-BY: **58** kVA

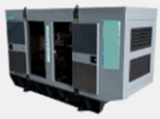
STAND-BY: **46,4** kW



ERC-64
CTP. 30-32

STAND-BY: **64** kVA

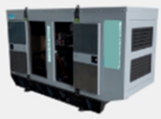
STAND-BY: **51,2** kW



ERC-77
CTP. 33-35

STAND-BY: **77** kVA

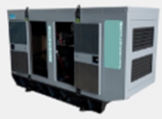
STAND-BY: **61,6** kW



ERC-90
CTP. 36-38

STAND-BY: **90** kVA

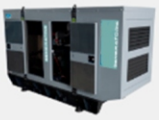
STAND-BY: **72** kW



ERC-105
CTP. 39-41

STAND-BY: **105** kVA

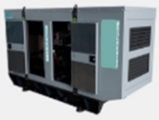
STAND-BY: **84** kW



ERC-125
CTP. 42-44

STAND-BY: **125** kVA

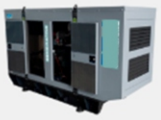
STAND-BY: **100** kW



ERC-135
CTP. 45-47

STAND-BY: **135** kVA

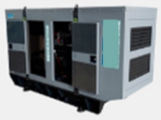
STAND-BY: **108** kW



ERC-155
CTP. 48-50

STAND-BY: **155** kVA

STAND-BY: **124** kW



ERC-175
CTP. 51-53

STAND-BY: **175** kVA

STAND-BY: **140** kW



ERC-200
CTP. 54-56

STAND-BY: **200** kVA

STAND-BY: **160** kW



ERC-235
CTP. 57-59

STAND-BY: **235** kVA

STAND-BY: **188** kW

VINAR



ESD-255

STAND-BY: **255** kVA

STAND-BY: **204** kW

PRIME: **229,5** kVA

PRIME: **183,6** kW

CTP. 60-62



ESD-410

STAND-BY: **410** kVA

STAND-BY: **328** kW

PRIME: **369** kVA

PRIME: **295,2** kW

CTP. 63-65



ESD-440

STAND-BY: **440** kVA

STAND-BY: **352** kW

PRIME: **396** kVA

PRIME: **316,8** kW

CTP. 66-68



ESD-500

STAND-BY: **500** kVA

STAND-BY: **400** kW

PRIME: **450** kVA

PRIME: **360** kW

CTP. 69-71



ESD-550

STAND-BY: **550** kVA

STAND-BY: **440** kW

PRIME: **495** kVA

PRIME: **396** kW

CTP. 72-74



ESD-630

STAND-BY: **630** kVA

STAND-BY: **504** kW

PRIME: **567** kVA

PRIME: **453,6** kW

CTP. 75-77



ESD-750

STAND-BY: **750** kVA

STAND-BY: **600** kW

PRIME: **675** kVA

PRIME: **540** kW

CTP. 78-80



ESD-800

STAND-BY: **800** kVA

STAND-BY: **640** kW

PRIME: **720** kVA

PRIME: **576** kW

CTP. 81-83



ESD-900

STAND-BY: **900** kVA

STAND-BY: **720** kW

PRIME: **810** kVA

PRIME: **648** kW

CTP. 84-86



ESD-1000

STAND-BY: **1000** kVA

STAND-BY: **800** kW

PRIME: **900** kVA

PRIME: **720** kW

CTP. 87-89



ESD-1100

STAND-BY: **1100** kVA

STAND-BY: **880** kW

PRIME: **990** kVA

PRIME: **792** kW

CTP. 90-92

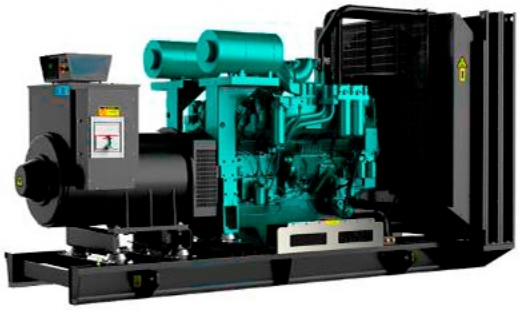
Дизельний генератор EYD-18 (18 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	17	18
Power	KW	13	14
Current	A	23	26
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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044 501 38 24

Дизельний генератор EYD-18 (18 kBa)

ENGİNE SPECIFICATIONS		
Brand		YANGDONG
Model		YD480
Engine Power Stand BY	(kWm / hp)	16/22
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	1,80
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	80 x 90
Compression Orientation		18:01
Governor Type		MECANICAL
Aspiration System		NATURAL
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	12
Lub-Oil Capacity	(L)	6,7
Engine Coolant Capacity	(L)	7,6
Fuel Tank Capacity	(L)	65
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	2,3
Fuel Consumption 75 %	(L/h)	3,4
Fuel Consumption 100 %	(L/h)	4,6

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EYD-18 (18 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1600
Height (H)	mm	1000
Width (W)	mm	900
Wet weight	kg	480
Fuel Tank Capacity	L	65

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1950
Height (H)	mm	1200
Width (W)	mm	900
Wet weight	kg	605
Fuel Tank Capacity	L	65

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Дизельний генератор EYD-27 (27 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	24	27
Power	KW	19	22
Current	A	35	39
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EYD-27 (27 kBa)

ENGİNE SPECIFICATIONS		
Brand		YANGDONG
Model		YND485
Engine Power Stand BY	(kWm / hp)	21/28
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	2,15
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	85 x 95
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		NATURAL
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	12
Lub-Oil Capacity	(L)	5,5
Engine Coolant Capacity	(L)	9
Fuel Tank Capacity	(L)	65
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	3,0
Fuel Consumption 75 %	(L/h)	4,5
Fuel Consumption 100 %	(L/h)	6,0

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EYD-27 (27 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1600
Height (H)	mm	1000
Width (W)	mm	900
Wet weight	kg	545
Fuel Tank Capacity	L	65

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1950
Height (H)	mm	1200
Width (W)	mm	900
Wet weight	kg	670
Fuel Tank Capacity	L	65

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Дизельний генератор EYD-30 (30 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	27	30
Power	KW	19	22
Current	A	39	43
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EYD-30 (30 kBa)

ENGİNE SPECIFICATIONS		
Brand		YANGDONG
Model		Y490
Engine Power Stand BY	(kWm / hp)	24/32
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	2,54
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	90 x 100
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		NATURAL
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	12
Lub-Oil Capacity	(L)	7,6
Engine Coolant Capacity	(L)	9
Fuel Tank Capacity	(L)	65
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	3,4
Fuel Consumption 75 %	(L/h)	5,1
Fuel Consumption 100 %	(L/h)	6,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EYD-30 (30 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1600
Height (H)	mm	1000
Width (W)	mm	900
Wet weight	kg	620
Fuel Tank Capacity	L	65

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1950
Height (H)	mm	1200
Width (W)	mm	900
Wet weight	kg	750
Fuel Tank Capacity	L	65

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Дизельний генератор EYD-34 (34 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	31	34
Power	KW	25	27
Current	A	44	49
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EYD-34 (34 kBa)

ENGİNE SPECIFICATIONS		
Brand		YANGDONG
Model		Y490B
Engine Power Stand BY	(kWm / hp)	27/36
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	2,54
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	90 x 100
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	12
Lub-Oil Capacity	(L)	7,6
Engine Coolant Capacity	(L)	9
Fuel Tank Capacity	(L)	65
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	3,9
Fuel Consumption 75 %	(L/h)	5,8
Fuel Consumption 100 %	(L/h)	7,7

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EYD-34 (34 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1600
Height (H)	mm	1000
Width (W)	mm	900
Wet weight	kg	480
Fuel Tank Capacity	L	65

DIMENSIONS AND WEIGHT



Lenght (L)	mm	1950
Height (H)	mm	1200
Width (W)	mm	900
Wet weight	kg	605
Fuel Tank Capacity	L	65

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Дизельний генератор EPC-38 (38 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	34	38
Power	KW	27	30
Current	A	49	55
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-38 (38 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		K4100D
Engine Power Stand BY	(kWm / hp)	33/44
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	3,61
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	100 x 115
Compression Orientation		19:01
Governor Type		MECANICAL
Aspiration System		NATURAL
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	12
Lub-Oil Capacity	(L)	13
Engine Coolant Capacity	(L)	17
Fuel Tank Capacity	(L)	150
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	4,9
Fuel Consumption 75 %	(L/h)	7,4
Fuel Consumption 100 %	(L/h)	9,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-38 (38 kBa)

CONTROL PANEL FEATURE

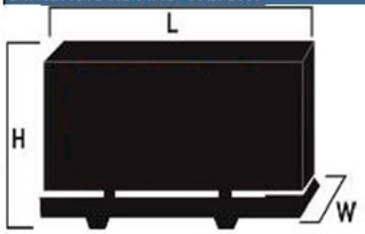
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	1000
Wet weight	kg	735
Fuel Tank Capacity	L	150

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	890
Fuel Tank Capacity	L	150

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Дизельний генератор EPC-46 (46 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	41	46
Power	KW	33	37
Current	A	59	66
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-46 (46 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		K4100ZD
Engine Power Stand BY	(kWm / hp)	46/62
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	3,61
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	100 x 115
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	18
Fuel Tank Capacity	(L)	150
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	6,9
Fuel Consumption 75 %	(L/h)	10,3
Fuel Consumption 100 %	(L/h)	13,7

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор EPC-46 (46 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	1000
Wet weight	kg	770
Fuel Tank Capacity	L	150

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	920
Fuel Tank Capacity	L	150

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Дизельний генератор EPC-52 (52 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	47	52
Power	KW	37	42
Current	A	68	75
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-52 (52 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		K4100ZD
Engine Power Stand BY	(kWm / hp)	46/62
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	3,61
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	100 x 115
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	18
Fuel Tank Capacity	(L)	150
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	2,62
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	6,9
Fuel Consumption 75 %	(L/h)	10,3
Fuel Consumption 100 %	(L/h)	13,7

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-52 (52 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	1000
Wet weight	kg	820
Fuel Tank Capacity	L	150

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	975
Fuel Tank Capacity	L	150

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Дизельний генератор EPC-58 (58 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	52	58
Power	KW	42	46
Current	A	75	84
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-58 (58 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		K4102ZD
Engine Power Stand BY	(kWm / hp)	46/62
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	3,61
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	102 x 115
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	13
Engine Coolant Capacity	(L)	19
Fuel Tank Capacity	(L)	150
Maximum Exhaust Temperature	(°C)	470
Maximum Exhaust Gas Flow	(m3/h)	2,13
Maximum Allowed Back Pressure	(kPa)	3,3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50 %	(L/h)	7,3
Fuel Consumption 75 %	(L/h)	11,0
Fuel Consumption 100 %	(L/h)	14,6

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-58 (58 kBa)

CONTROL PANEL FEATURE

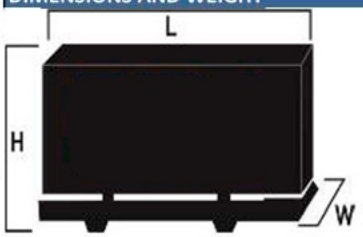
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	1000
Wet weight	kg	840
Fuel Tank Capacity	L	150

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	990
Fuel Tank Capacity	L	150

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Дизельний генератор EPC-64 (64 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	58	64
Power	KW	46	51
Current	A	83	92
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-64 (64 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		ZH4105ZD
Engine Power Stand BY	(kWm / hp)	57/77
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	4,15
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 120
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	16
Engine Coolant Capacity	(L)	25
Fuel Tank Capacity	(L)	150
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	3,97
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	8,5
Fuel Consumption 75 %	(L/h)	12,8
Fuel Consumption 100 %	(L/h)	17,0

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор EPC-64 (64 kBa)

CONTROL PANEL FEATURE

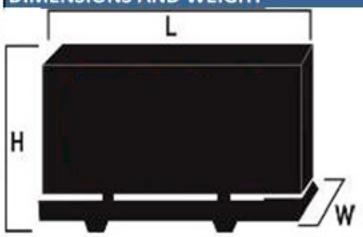
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	1000
Wet weight	kg	870
Fuel Tank Capacity	L	150

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	1015
Fuel Tank Capacity	L	150

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Дизельний генератор EPC-77 (77 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	69	77
Power	KW	55	62
Current	A	100	111
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-77 (77 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		ZH4105ZLD
Engine Power Stand BY	(kWm / hp)	66/88
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		4,33
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 125
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	16
Engine Coolant Capacity	(L)	25
Fuel Tank Capacity	(L)	175
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	3,97
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	9,7
Fuel Consumption 75 %	(L/h)	14,6
Fuel Consumption 100 %	(L/h)	19,4

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-77 (77 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1550
Width (W)	mm	1000
Wet weight	kg	890
Fuel Tank Capacity	L	175

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1750
Width (W)	mm	1000
Wet weight	kg	1035
Fuel Tank Capacity	L	175

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Дизельний генератор EPC-90 (90 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	81	90
Power	KW	65	72
Current	A	117	130
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-90 (90 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R4105AZLD
Engine Power Stand BY	(kWm / hp)	73/98
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		4,5
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	25
Fuel Tank Capacity	(L)	175
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	3,97
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	10,9
Fuel Consumption 75 %	(L/h)	16,4
Fuel Consumption 100 %	(L/h)	21,8

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-90 (90 kBa)

CONTROL PANEL FEATURE

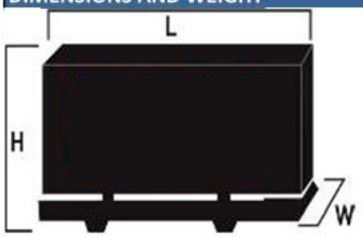
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1550
Width (W)	mm	1000
Wet weight	kg	950
Fuel Tank Capacity	L	175

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1750
Width (W)	mm	1000
Wet weight	kg	1100
Fuel Tank Capacity	L	175

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Дизельний генератор EPC-105 (105 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	95	105
Power	KW	76	84
Current	A	130	144
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-105 (105 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R4105BZLD
Engine Power Stand BY	(kWm / hp)	82/110
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		4,5
Cylinders Orientation		4 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 135
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	25
Fuel Tank Capacity	(L)	175
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	5,95
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	210
Fuel Consumption 50 %	(L/h)	12,3
Fuel Consumption 75 %	(L/h)	18,4
Fuel Consumption 100 %	(L/h)	24,5

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-105 (105 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2300
Height (H)	mm	1550
Width (W)	mm	1000
Wet weight	kg	1045
Fuel Tank Capacity	L	175

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1750
Width (W)	mm	1000
Wet weight	kg	1300
Fuel Tank Capacity	L	175

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Дизельний генератор EPC-125 (125 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	113	125
Power	KW	90	100
Current	A	162	180
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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044 501 38 24

Дизельний генератор EPC-125 (125 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6105ZLD
Engine Power Stand BY	(kWm / hp)	110/148
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		6,49
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 125
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	19
Engine Coolant Capacity	(L)	40
Fuel Tank Capacity	(L)	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	5,31
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	16,4
Fuel Consumption 75 %	(L/h)	24,7
Fuel Consumption 100 %	(L/h)	32,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор EPC-125 (125 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1290
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1545
Fuel Tank Capacity	L	240

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Дизельний генератор EPC-135 (135 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	122	135
Power	KW	97	108
Current	A	175	195
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-135 (135 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6105ZLD
Engine Power Stand BY	(kWm / hp)	110/148
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		6,49
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 125
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	19
Engine Coolant Capacity	(L)	40
Fuel Tank Capacity	(L)	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	5,31
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	174
Fuel Consumption 50 %	(L/h)	16,4
Fuel Consumption 75 %	(L/h)	24,7
Fuel Consumption 100 %	(L/h)	32,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 3 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-135 (135 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1305
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1560
Fuel Tank Capacity	L	240

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Дизельний генератор EPC-155 (155 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	140	155
Power	KW	111	124
Current	A	201	232
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-155 (155 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6105AZLD
Engine Power Stand BY	(kWm / hp)	121/162
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		6,75
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	19
Engine Coolant Capacity	(L)	40
Fuel Tank Capacity	(L)	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	7,8
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	210
Fuel Consumption 50 %	(L/h)	18,1
Fuel Consumption 75 %	(L/h)	27,1
Fuel Consumption 100 %	(L/h)	36,2

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88,6
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 3 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-155 (155 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1320
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1570
Fuel Tank Capacity	L	240

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Дизельний генератор EPC-175 (175 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	158	175
Power	KW	126	140
Current	A	228	252
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-175 (175 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6105BZLD
Engine Power Stand BY	(kWm / hp)	145/195
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		7
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	105 x 135
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	19
Engine Coolant Capacity	(L)	40
Fuel Tank Capacity	(L)	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	9,4
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	210
Fuel Consumption 50 %	(L/h)	21,7
Fuel Consumption 75 %	(L/h)	32,5
Fuel Consumption 100 %	(L/h)	43,3

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88,6
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 3 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор EPC-175 (175 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1340
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1590
Fuel Tank Capacity	L	240

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Дизельний генератор EPC-200 (200 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	180	200
Power	KW	144	160
Current	A	259	288
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор EPC-200 (200 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6105ZLD
Engine Power Stand BY	(kWm / hp)	171/230
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		7,7
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	110 x 135
Compression Orientation		16:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	19
Engine Coolant Capacity	(L)	40
Fuel Tank Capacity	(L)	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	9,4
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	210
Fuel Consumption 50 %	(L/h)	25,5
Fuel Consumption 75 %	(L/h)	38,3
Fuel Consumption 100 %	(L/h)	51,1

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88,6
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 3 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор EPC-200 (200 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1360
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1620
Fuel Tank Capacity	L	240

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Дизельний генератор EPC-235 (235 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	212	235
Power	KW	169	188
Current	A	305	338
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

м. Київ вул. Кирилівська 62В

044 501 38 24

Дизельний генератор EPC-235 (235 kBa)

ENGİNE SPECIFICATIONS		
Brand		RICARDO
Model		R6113AZLD
Engine Power Stand BY	(kWm / hp)	192/257
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		7,52
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	113 x 130
Compression Orientation		17:01
Governor Type		MECANICAL
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	19
Engine Coolant Capacity	(L	40
Fuel Tank Capacity	(L	240
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	9,4
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	210
Fuel Consumption 50 %	(L/h)	28,7
Fuel Consumption 75 %	(L/h)	43,0
Fuel Consumption 100 %	(L/h)	57,4

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	88,6
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 3 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

м. Київ вул. Кирилівська 62В
044 501 38 24

Дизельний генератор EPC-235 (235 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	2600
Height (H)	mm	1600
Width (W)	mm	1100
Wet weight	kg	1390
Fuel Tank Capacity	L	240

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1645
Fuel Tank Capacity	L	240

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Дизельний генератор ESD-255 (255 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	230	255
Power	KW	183	204
Current	A	331	367
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

м. Київ вул. Кирилівська 62В

044 501 38 24

Дизельний генератор ESD-255 (255 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC8H217
Engine Power Stand BY	(kWm / hp)	206/276
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		8,27
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	114 x 135
Compression Orientation		18:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	32,5
Engine Coolant Capacity	(L	46
Fuel Tank Capacity	(L	300
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	2460
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	1116
Fuel Consumption 50 %	(L/h)	24
Fuel Consumption 75 %	(L/h)	36
Fuel Consumption 100 %	(L/h)	48

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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044 501 38 24

Дизельний генератор ESD-255 (255 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3000
Height (H)	mm	1750
Width (W)	mm	1200
Wet weight	kg	1575
Fuel Tank Capacity	L	300

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3500
Height (H)	mm	1950
Width (W)	mm	1200
Wet weight	kg	1895
Fuel Tank Capacity	L	300

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044 501 38 24

Дизельний генератор ESD-410 (410 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	369	410
Power	KW	295	328
Current	A	531	590
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

м. Київ вул. Кирилівська 62В

044 501 38 24

Дизельний генератор ESD-410 (410 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC13H380
Engine Power Stand BY	(kWm / hp)	330/443
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		13,74
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	135 x 160
Compression Orientation		17:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	40
Engine Coolant Capacity	(L	60
Fuel Tank Capacity	(L	380
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	2652
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	1068
Fuel Consumption 50 %	(L/h)	38,8
Fuel Consumption 75 %	(L/h)	58,2
Fuel Consumption 100 %	(L/h)	77,6

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор ESD-410 (410 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3400
Height (H)	mm	1900
Width (W)	mm	1300
Wet weight	kg	2650
Fuel Tank Capacity	L	380

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2200
Width (W)	mm	1300
Wet weight	kg	3110
Fuel Tank Capacity	L	380

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Дизельний генератор ESD-440 (440 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	396	440
Power	KW	317	352
Current	A	570	634
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

м. Київ вул. Кирилівська 62В

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Дизельний генератор ESD-440 (440 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC13H435
Engine Power Stand BY	(kWm / hp)	375/503
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		13,74
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	135 x 160
Compression Orientation		17:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	40
Engine Coolant Capacity	(L	60
Fuel Tank Capacity	(L	380
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	3018
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	1170
Fuel Consumption 50 %	(L/h)	44,1
Fuel Consumption 75 %	(L/h)	66,2
Fuel Consumption 100 %	(L/h)	88,2

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор ESD-440 (440 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3400
Height (H)	mm	1900
Width (W)	mm	1300
Wet weight	kg	2800
Fuel Tank Capacity	L	380

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2200
Width (W)	mm	1300
Wet weight	kg	3260
Fuel Tank Capacity	L	380

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Дизельний генератор ESD-500 (500 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	450	500
Power	KW	360	400
Current	A	648	720
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-500 (500 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC13H516
Engine Power Stand BY	(kWm / hp)	450/604
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		13,74
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	135 x 165
Compression Orientation		17:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	45
Engine Coolant Capacity	(L	65
Fuel Tank Capacity	(L	380
Maximum Exhaust Temperature	(°C)	650
Maximum Exhaust Gas Flow	(m3/h)	5160
Maximum Allowed Back Pressure	(kPa)	10
Cooling Air Flow	(m3/min)	1920
Fuel Consumption 50 %	(L/h)	52,9
Fuel Consumption 75 %	(L/h)	79,4
Fuel Consumption 100 %	(L/h)	105,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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044 501 38 24

Дизельний генератор ESD-500 (500 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3400
Height (H)	mm	1900
Width (W)	mm	1300
Wet weight	kg	2960
Fuel Tank Capacity	L	380

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2200
Width (W)	mm	1300
Wet weight	kg	3420
Fuel Tank Capacity	L	380

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Дизельний генератор ESD-550 (550 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	495	550
Power	KW	396	440
Current	A	713	792
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-550 (550 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC13H516
Engine Power Stand BY	(kWm / hp)	450/604
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		13,74
Cylinders Orientation		6 SINGLE LINE
Bore x Stroke	(mm x mm)	135 x 165
Compression Orientation		17:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	45
Engine Coolant Capacity	(L	65
Fuel Tank Capacity	(L	380
Maximum Exhaust Temperature	(°C)	650
Maximum Exhaust Gas Flow	(m3/h)	5160
Maximum Allowed Back Pressure	(kPa)	10
Cooling Air Flow	(m3/min)	1920
Fuel Consumption 50 %	(L/h)	52,9
Fuel Consumption 75 %	(L/h)	79,4
Fuel Consumption 100 %	(L/h)	105,9

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор ESD-550 (550 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3400
Height (H)	mm	1900
Width (W)	mm	1300
Wet weight	kg	3050
Fuel Tank Capacity	L	380

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2200
Width (W)	mm	1300
Wet weight	kg	3530
Fuel Tank Capacity	L	380

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Дизельний генератор ESD-630 (630 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	567	630
Power	KW	454	504
Current	A	817	907
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-630 (630 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC26H571
Engine Power Stand BY	(kWm / hp)	510/685
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		25,76
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	135 x 150
Compression Orientation		17:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	80
Engine Coolant Capacity	(L	90
Fuel Tank Capacity	(L	495
Maximum Exhaust Temperature	(°C)	650
Maximum Exhaust Gas Flow	(m3/h)	5316
Maximum Allowed Back Pressure	(kPa)	5
Cooling Air Flow	(m3/min)	2040
Fuel Consumption 50 %	(L/h)	63,0
Fuel Consumption 75 %	(L/h)	94,5
Fuel Consumption 100 %	(L/h)	126,0

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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044 501 38 24

Дизельний генератор ESD-630 (630 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3800
Height (H)	mm	2000
Width (W)	mm	1800
Wet weight	kg	3510
Fuel Tank Capacity	L	495

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4500
Height (H)	mm	2400
Width (W)	mm	1800
Wet weight	kg	4050
Fuel Tank Capacity	L	495

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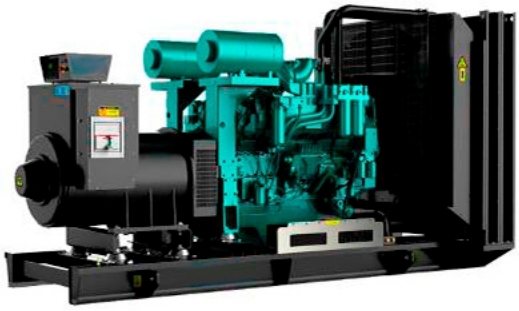
Дизельний генератор ESD-750 (750 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	675	750
Power	KW	540	600
Current	A	972	1080
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-750 (750 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC26H680
Engine Power Stand BY	(kWm / hp)	610/818
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		26,62
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	135 x 155
Compression Orientation		16:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	80
Engine Coolant Capacity	(L	90
Fuel Tank Capacity	(L	495
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	5970
Maximum Allowed Back Pressure	(kPa)	10
Cooling Air Flow	(m3/min)	2340
Fuel Consumption 50 %	(L/h)	73,6
Fuel Consumption 75 %	(L/h)	110,3
Fuel Consumption 100 %	(L/h)	147,1

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор ESD-750 (750 kBa)

CONTROL PANEL FEATURE

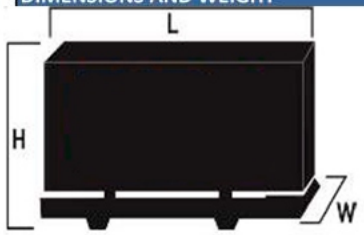
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3800
Height (H)	mm	2000
Width (W)	mm	1800
Wet weight	kg	3580
Fuel Tank Capacity	L	495

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4500
Height (H)	mm	2400
Width (W)	mm	1800
Wet weight	kg	4110
Fuel Tank Capacity	L	495

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Дизельний генератор ESD-800 (800 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	720	800
Power	KW	576	640
Current	A	1036	1152
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-800 (800 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC26H680
Engine Power Stand BY	(kWm / hp)	610/818
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		26,62
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	135 x 155
Compression Orientation		16:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	80
Engine Coolant Capacity	(L	90
Fuel Tank Capacity	(L	495
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	5970
Maximum Allowed Back Pressure	(kPa)	10
Cooling Air Flow	(m3/min)	2340
Fuel Consumption 50 %	(L/h)	73,6
Fuel Consumption 75 %	(L/h)	110,3
Fuel Consumption 100 %	(L/h)	147,1

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

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Дизельний генератор ESD-800 (800 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	3800
Height (H)	mm	2000
Width (W)	mm	1800
Wet weight	kg	3780
Fuel Tank Capacity	L	495

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4500
Height (H)	mm	2400
Width (W)	mm	1800
Wet weight	kg	4310
Fuel Tank Capacity	L	495

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044 501 38 24

Дизельний генератор ESD-900 (900 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	810	900
Power	KW	648	720
Current	A	1166	1296
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-900 (900 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC28H843
Engine Power Stand BY	(kWm / hp)	720/966
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		28,35
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	138 x 158
Compression Orientation		16:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	90
Engine Coolant Capacity	(L	110
Fuel Tank Capacity	(L	650
Maximum Exhaust Temperature	(°C)	625
Maximum Exhaust Gas Flow	(m3/h)	6025
Maximum Allowed Back Pressure	(kPa)	6
Cooling Air Flow	(m3/min)	2500
Fuel Consumption 50 %	(L/h)	85,6
Fuel Consumption 75 %	(L/h)	128,3
Fuel Consumption 100 %	(L/h)	171,1

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

м. Київ вул. Кирилівська 62В
044 501 38 24

Дизельний генератор ESD-900 (900 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2100
Width (W)	mm	2000
Wet weight	kg	4130
Fuel Tank Capacity	L	650

DIMENSIONS AND WEIGHT



Lenght (L)	mm	5000
Height (H)	mm	2500
Width (W)	mm	2000
Wet weight	kg	4750
Fuel Tank Capacity	L	650

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044 501 38 24

Дизельний генератор ESD-1000 (1000 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	900	1000
Power	KW	720	800
Current	A	1296	1440
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

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Дизельний генератор ESD-1000 (1000 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC28H1100
Engine Power Stand BY	(kWm / hp)	936/1256
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		29,61
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	138 x 165
Compression Orientation		16:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	90
Engine Coolant Capacity	(L	110
Fuel Tank Capacity	(L	650
Maximum Exhaust Temperature	(°C)	625
Maximum Exhaust Gas Flow	(m3/h)	6025
Maximum Allowed Back Pressure	(kPa)	6
Cooling Air Flow	(m3/min)	2500
Fuel Consumption 50 %	(L/h)	109,0
Fuel Consumption 75 %	(L/h)	163,5
Fuel Consumption 100 %	(L/h)	218,0

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
Insulation		H
Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchrontype alternator • Electronic type automatic voltage regulator (AVR)

Дизельний генератор ESD-1000 (1000 kBa)

CONTROL PANEL FEATURE

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of genset
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Main power counters
- Fuel fulling counter
- Fuel consumption counter
- Modem & Ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allow SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2100
Width (W)	mm	2000
Wet weight	kg	4320
Fuel Tank Capacity	L	650

DIMENSIONS AND WEIGHT



Lenght (L)	mm	5000
Height (H)	mm	2500
Width (W)	mm	2000
Wet weight	kg	4930
Fuel Tank Capacity	L	650

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044 501 38 24

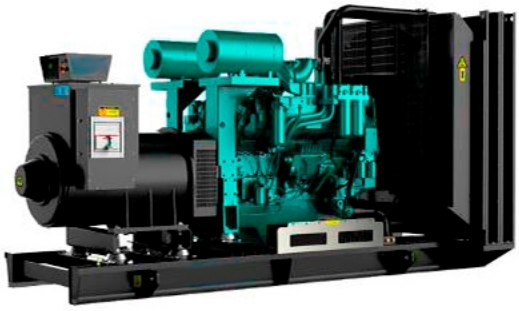
Дизельний генератор ESD-1100 (1100 kBa)

Технічні характеристики генератора:

GENERATING RATES		PRIME	STANDBY
Power	KVA	990	1100
Power	KW	792	880
Current	A	1425	1584
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at Power Factor	Cos Q	0,8	

STANDBY POWER:
Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

PRIME POWER:
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 12 hours of operation.





STANDART FEATURES	OPTİONAL EQUIPMENTS
• 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine	• Sound proof canopy
• Protection system on manual run	• Automatic transfer switch
• Flexible oil pipes and oil draining valve	• Circuit breaker
• Pre-heater	• Trailer
• Lubrication oil and anti-freeze	• External fuel tank
• 4 Poles, synchron type, single bearing, brushless alternator	• Heating system for fuel tank
• Batteries and cables	• Oil heater
• Electrostatic paint coated, steel, welded chassis	• Fuel filling system
• Fuel tank housed in the chassis.	• Automatic / Manuel
• Industrial type silencer	• Analog indicators
• Electronic battery charger	• 1 Phase - 3 Phase switch plugs
• Electrical wiring diagram	• Alarm system for fuel level
• User manual and operating manual	• Remote control and monitoring

м. Київ вул. Кирилівська 62В

044 501 38 24

Дизельний генератор ESD-1100 (1100 kBa)

ENGİNE SPECIFICATIONS		
Brand		SHANGAI PRE.
Model		SC28H1100
Engine Power Stand BY	(kWm / hp)	936/1256
Revolution Per Minute	(r.p.m.)	1500
Total Displacement		29,61
Cylinders Orientation		12 - V
Bore x Stroke	(mm x mm)	138 x 165
Compression Orientation		16:01
Governor Type		ELECTRONIC
Aspiration System		TURBOCHARGE-INTERCOOLER
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L	90
Engine Coolant Capacity	(L	110
Fuel Tank Capacity	(L	650
Maximum Exhaust Temperature	(°C)	625
Maximum Exhaust Gas Flow	(m3/h)	6025
Maximum Allowed Back Pressure	(kPa)	6
Cooling Air Flow	(m3/min)	2500
Fuel Consumption 50 %	(L/h)	109,0
Fuel Consumption 75 %	(L/h)	163,5
Fuel Consumption 100 %	(L/h)	218,0

• Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS		
Output Voltage	(V)	230/400
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1%
Short Circuit Current		%300 (10 MİN.)
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Protection		IP 23
Efficiency	(%)	94,2
Overloading		% 110 FOR 1 HOUR
Power Factor		0.8
Total Harmonic Distortion Rate	(cos Q)	< 1 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

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Дизельний генератор ESD-1100 (1100 kBa)

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- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity [USB and RS232]
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket
- Multiple nominal conditions

DIMENSIONS AND WEIGHT



Lenght (L)	mm	4000
Height (H)	mm	2100
Width (W)	mm	2000
Wet weight	kg	4460
Fuel Tank Capacity	L	650

DIMENSIONS AND WEIGHT



Lenght (L)	mm	5000
Height (H)	mm	2500
Width (W)	mm	2000
Wet weight	kg	5070
Fuel Tank Capacity	L	650

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