

RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	31.4	35
Power	KW	25.2	28
Power	(cos Phi=0,8) A	45.4	50.4
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

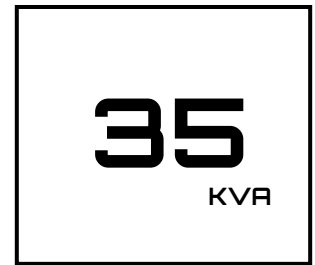
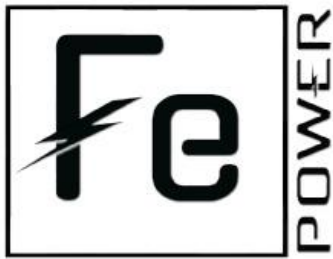


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

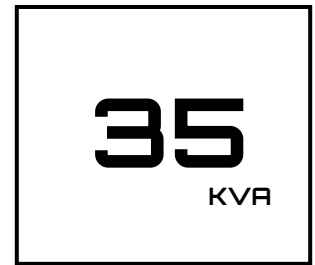
Brand		RICARDO
Model		K4100D1
Engine Standby Power	(kWm / hp)	33/44.5
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	3.61
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	102 x 115
Compression Rate		19: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	11
Lubrication Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	6.5
Fuel Tank	(L)	55
Maximum Exhaust Gas 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)	5
Fuel Consumption 75%	(L/h)	7
Fuel Consumption 100%	(L/h)	9

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.4
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

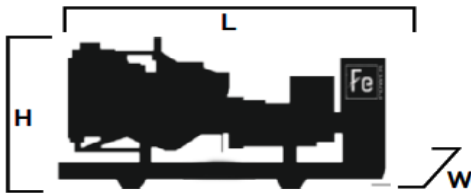
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

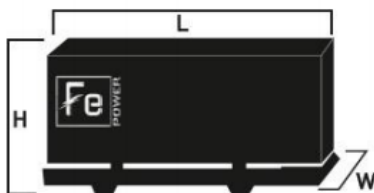
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	1900
Height (H)	mm	1150
Width (W)	mm	950
Wet weight	kg	665
Fuel Tank Capacity	L	55

SPECIFICATION WITH CABIN



Length (L)	mm	2200
Height (H)	mm	1250
Width (W)	mm	950
Wet weight	kg	850
Fuel Tank Capacity	L	55



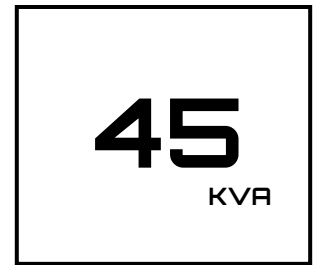
POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	40.5	45
Power	KW	32.4	36
Power	(cos Phi=0,8) A	58.3	64.8
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

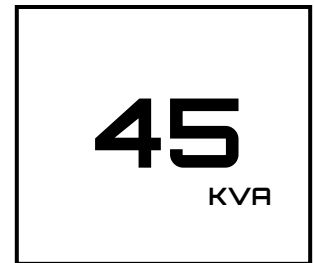
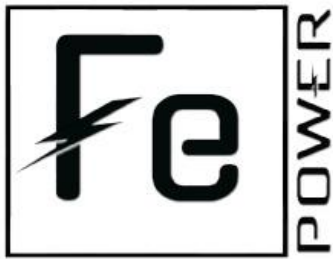


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

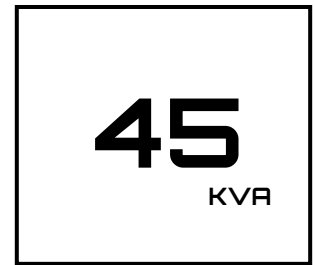
Brand		RICARDO
Model		K4100ZD
Engine Standby Power	(kWm / hp)	46/61.69
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	3.61
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	102 x 115
Compression Rate		19: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	12
Lubrication Oil Capacity	(L)	13
Engine Coolant Capacity	(L)	6.5
Fuel Tank	(L)	55
Maximum Exhaust Gas Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	2.9
Maximum Allowed Back Pressure	(kPa)	3.3
Cooling Air Flow	(m3/min)	125
Fuel Consumption 50%	(L/h)	5
Fuel Consumption 75%	(L/h)	7.2
Fuel Consumption 100%	(L/h)	10

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.4
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]

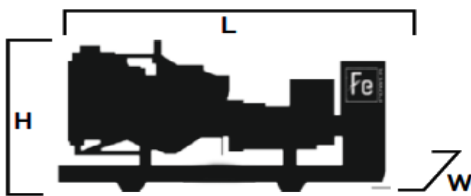


RICARDO

CONTROL PANEL SPECIFICATION

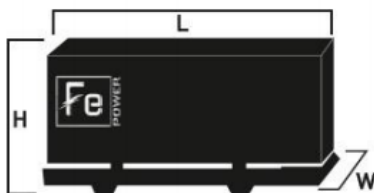
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	1900
Height (H)	mm	1150
Width (W)	mm	950
Wet weight	kg	760
Fuel Tank Capacity	L	55

SPECIFICATION WITH CABIN



Length (L)	mm	2200
Height (H)	mm	1250
Width (W)	mm	950
Wet weight	kg	950
Fuel Tank Capacity	L	55

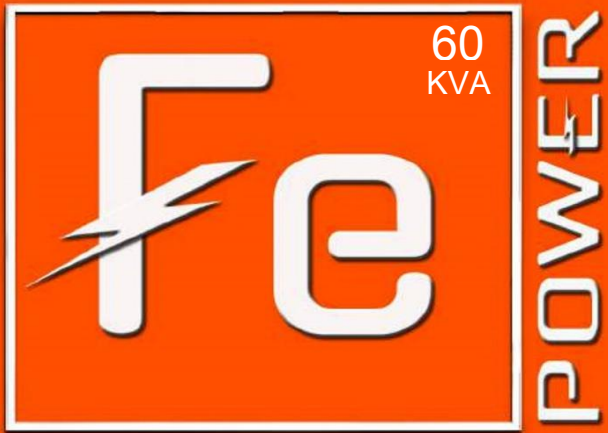


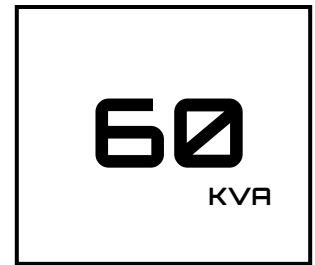
POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	54	60
Power	KW	43.2	48
Power	(cos Phi=0,8) A	77.8	86.4
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

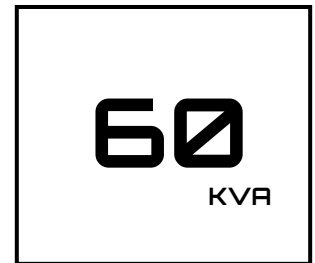


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

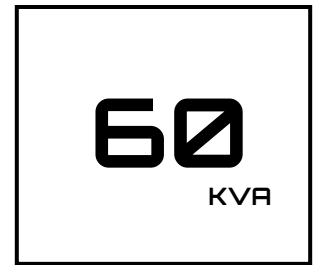
Brand		RICARDO
Model		K4102ZD1
Engine Standby Power	(kWm / hp)	50/ 67.05
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	3.61
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	102 x 115
Compression Rate		19: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	12
Lubrication Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	12
Fuel Tank	(L)	55
Maximum Exhaust Gas Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	2.60
Maximum Allowed Back Pressure	(kPa)	4
Cooling Air Flow	(m3/min)	14
Fuel Consumption 50%	(L/h)	6
Fuel Consumption 75%	(L/h)	9
Fuel Consumption 100%	(L/h)	12

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

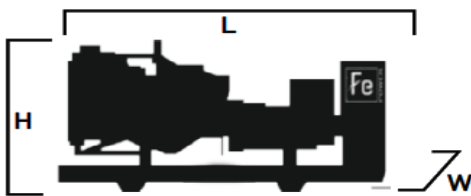
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

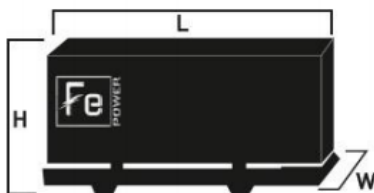
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	1900
Height (H)	mm	1150
Width (W)	mm	950
Wet weight	kg	900
Fuel Tank Capacity	L	55

SPECIFICATION WITH CABIN



Length (L)	mm	2200
Height (H)	mm	1250
Width (W)	mm	950
Wet weight	kg	1200
Fuel Tank Capacity	L	55



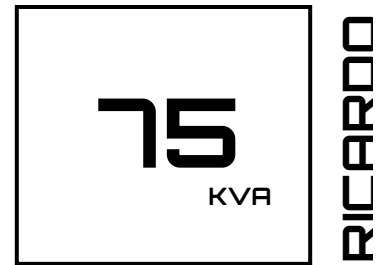
POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye





GENERAL FEATURES		PRIME	STANDBY
Power	KVA	67.5	75
Power	KW	54	60
Power	(cos Phi=0,8) A	97.2	108
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

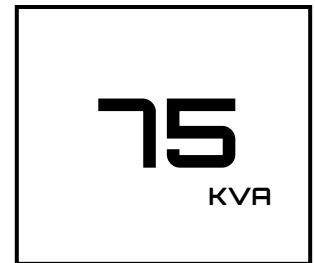


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

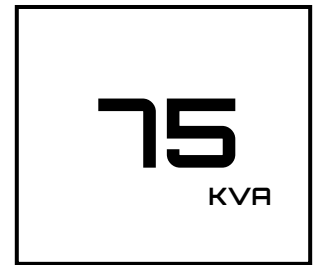
Brand		RICARDO
Model		ZH4105ZLD1
Engine Standby Power	(kWm / hp)	65/87.17
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	4.43
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	102 x 115
Compression Rate		17: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	12
Lubrication Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	12
Fuel Tank	(L)	160
Maximum Exhaust Gas 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)	7
Fuel Consumption 75%	(L/h)	11
Fuel Consumption 100%	(L/h)	15

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.4
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

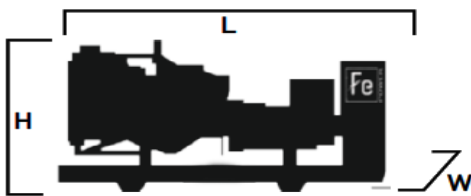
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

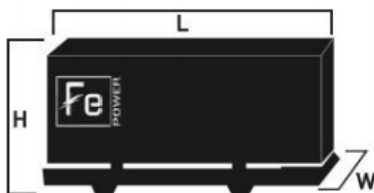
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2200
Height (H)	mm	1500
Width (W)	mm	900
Wet weight	kg	940
Fuel Tank Capacity	L	75

SPECIFICATION WITH CABIN



Length (L)	mm	2500
Height (H)	mm	1700
Width (W)	mm	1000
Wet weight	kg	1285
Fuel Tank Capacity	L	160



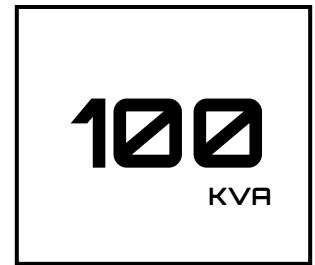
POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	90	100
Power	KW	72	80
Power	(cos Phi=0,8) A	129.6	144
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

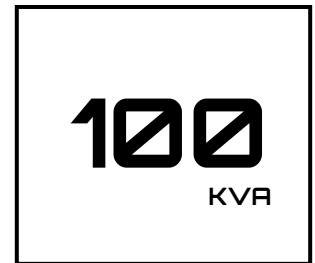
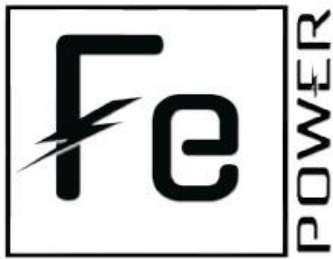


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

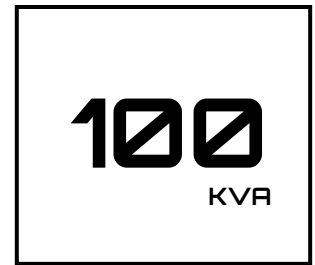
Brand		RICARDO
Model		R4105BZLD
Engine Standby Power	(kWm / hp)	79/105.94
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	4.43
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	105 x 135
Compression Rate		17: 00
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	12/24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	160
Maximum Exhaust Gas 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)	10
Fuel Consumption 75%	(L/h)	14
Fuel Consumption 100%	(L/h)	19

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.4
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

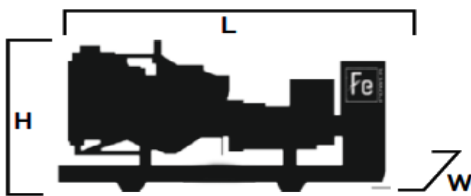
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

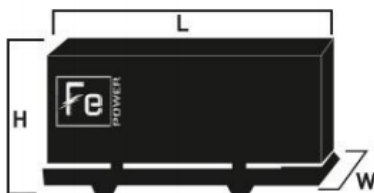
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2200
Height (H)	mm	1500
Width (W)	mm	900
Wet weight	kg	1400
Fuel Tank Capacity	L	75

SPECIFICATION WITH CABIN



Length (L)	mm	2500
Height (H)	mm	1700
Width (W)	mm	1000
Wet weight	kg	1500
Fuel Tank Capacity	L	160

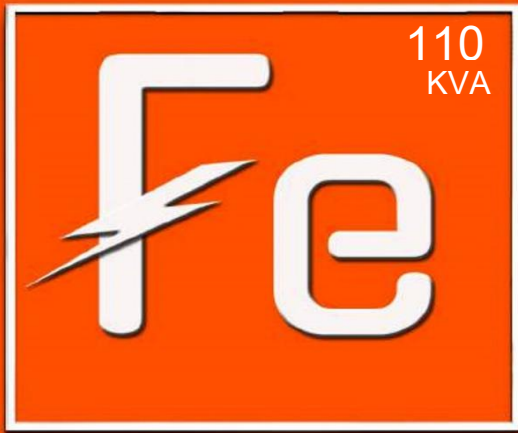


POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye



110
KVA

POWER





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	99	110
Power	KW	79.2	88
Power	(cos Phi=0,8) A	142.6	158.4
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

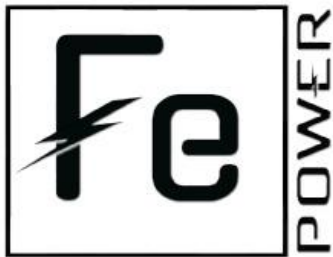


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

Brand		RICARDO
Model		R4110
Engine Standby Power	(kWm / hp)	84/112.65
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	4.43
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	105 x 135
Compression Rate		17: 00
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	12/24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	160
Maximum Exhaust Gas 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)	11
Fuel Consumption 75%	(L/h)	17
Fuel Consumption 100%	(L/h)	22

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	91.2
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

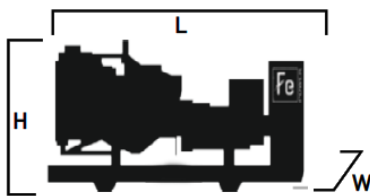
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

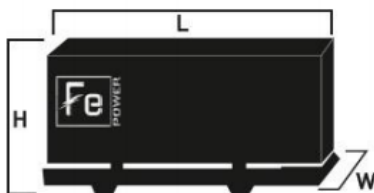
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2200
Height (H)	mm	1500
Width (W)	mm	900
Wet weight	kg	1400
Fuel Tank Capacity	L	75

SPECIFICATION WITH CABIN



Length (L)	mm	2500
Height (H)	mm	1700
Width (W)	mm	1000
Wet weight	kg	1600
Fuel Tank Capacity	L	160

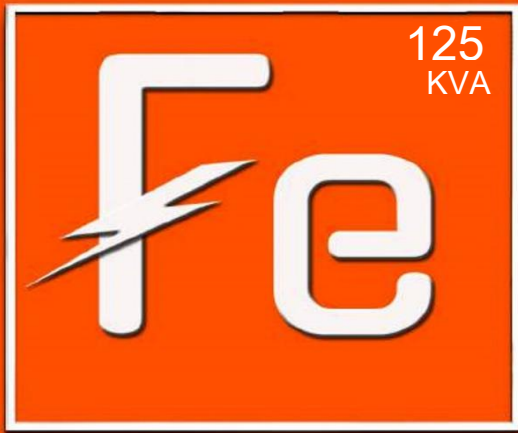


POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye



125
KVA

POWER





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	112.5	125
Power	KW	90	100
Power	(cos Phi=0,8) A	162	180
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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



STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

Brand		RICARDO
Model		R6105ZLD
Engine Standby Power	(kWm / hp)	110/147.51
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	6.75
Number of Cylinder		6 IN LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Rate		16: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	210
Maximum Exhaust Gas 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)	13
Fuel Consumption 75%	(L/h)	19
Fuel Consumption 100%	(L/h)	26

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	91.2
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]

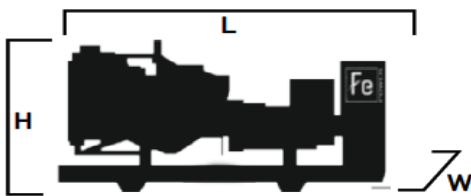


RICARDO

CONTROL PANEL SPECIFICATION

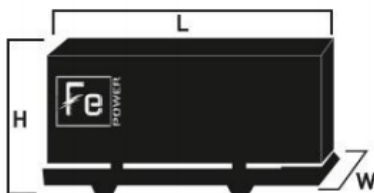
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	1400
Fuel Tank Capacity	L	160

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1650
Fuel Tank Capacity	L	210



POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye





RICARDO

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	135	150
Power	KW	108	120
Power	(cos Phi=0,8) A	194.4	216
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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



STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

Brand		RICARDO
Model		R6105AZLD
Engine Standby Power	(kWm / hp)	121/162.26
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	6.75
Number of Cylinder		6 IN LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Rate		16: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	210
Maximum Exhaust Gas 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)	16
Fuel Consumption 75%	(L/h)	23
Fuel Consumption 100%	(L/h)	31

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	91.2
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]

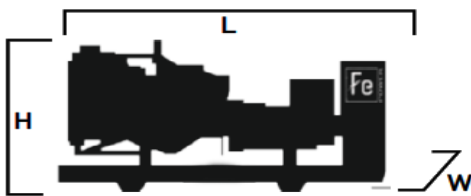


RICARDO

CONTROL PANEL SPECIFICATION

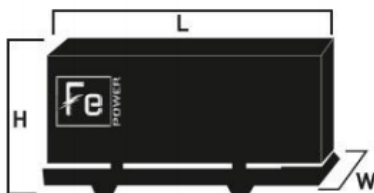
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	1420
Fuel Tank Capacity	L	160

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1710
Fuel Tank Capacity	L	210

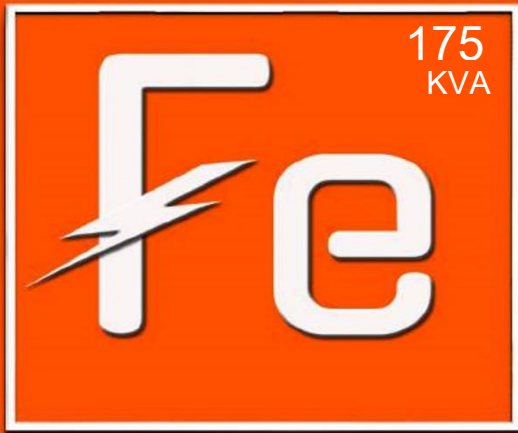


POWER

www.fepower.com.tr

0850 241 33 33

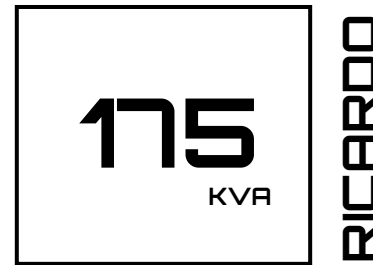
Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye



175
KVA

POWER





GENERAL FEATURES		PRIME	STANDBY
Power	KVA	157.5	175
Power	KW	126	140
Power	(cos Phi=0,8) A	226.8	252
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

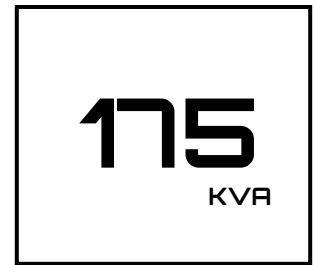


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

Brand		RICARDO
Model		R6105AZLD1
Engine Standby Power	(kWm / hp)	132/177.01
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	7.1
Number of Cylinder		6 IN LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Rate		16: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	210
Maximum Exhaust Gas 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)	17
Fuel Consumption 75%	(L/h)	25
Fuel Consumption 100%	(L/h)	34

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.7
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]

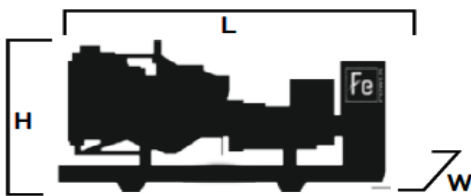


RICARDO

CONTROL PANEL SPECIFICATION

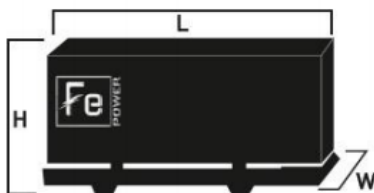
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	1650
Fuel Tank Capacity	L	160

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	1900
Fuel Tank Capacity	L	210

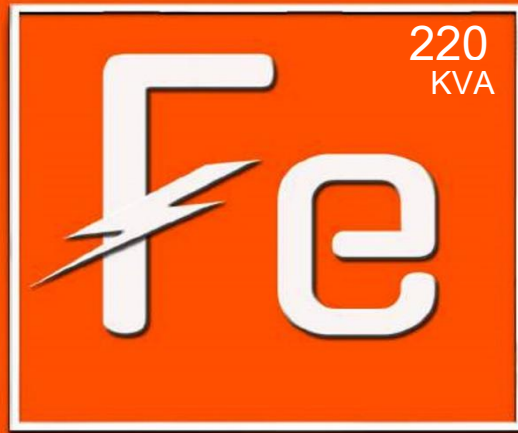


POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye



220
KVA

POWER





GENERAL FEATURES		PRIME	STANDBY
Power	KVA	198	220
Power	KW	158.4	176
Power	(cos Phi=0,8) A	285.1	316.8
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

PRIME POWER;

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

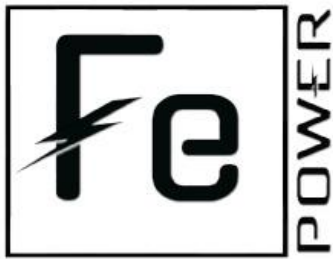


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system



RICARDO

ENGINE SPECIFICATION

Brand		RICARDO
Model		R6110ZLD1
Engine Standby Power	(kWm / hp)	171/229.31
Revolutions Per Minute	(r.p.m.)	1500
Total Volume	(L)	7.1
Number of Cylinder		6 IN LINE
Bore x Stroke	(mm x mm)	105 x 130
Compression Rate		16: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(VDC)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	210
Maximum Exhaust Gas 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)	20
Fuel Consumption 75%	(L/h)	30
Fuel Consumption 100%	(L/h)	40

* Replaceable cylinder jacket * Dry type replaceable oil filter *Heat –resistant radiator for 50 °C

ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	92.7
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

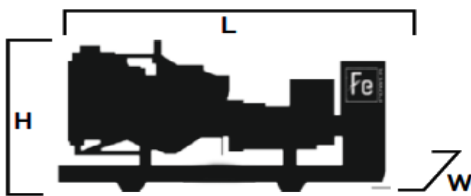
*4 Poles, Self – Excitation and Self-Cooled , Brushless , Synchro type alternator *Electronic type automatic voltage regulator [AVR]



CONTROL PANEL SPECIFICATION

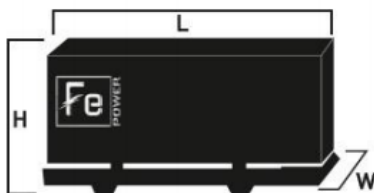
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16 Amp / 250V ŞK / JK outputs
- 8 configurable digital inputs
- 8 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Outputs expandable to 40
- Inputs expandable to 40
- 4 configurable analog inputs
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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 filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Mains power counters
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1650
Width (W)	mm	1000
Wet weight	kg	1750
Fuel Tank Capacity	L	160

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1850
Width (W)	mm	1100
Wet weight	kg	2200
Fuel Tank Capacity	L	210



POWER

www.fepower.com.tr

0850 241 33 33

Osmangazi Mah. Mertler Cad. Şenlik Sokak No:6
Sancaktepe/ istanbul / Türkiye