

PROFORMA INVOICE

Seller:	DEMİR MAKİNE İTH. İHR. SAN. VE TİC. LTD. ŞTİ		
Address:	OSMANGAZI MAH. MERTLER CAD.ŞENLİK SOK. NO :6 SANCAKTEPE /İSTANBUL		
Tax Administration:	SULTANBEYLİ		
VKN:	278 082 05 77		
Contact Information:	Tel: +90 216 308 05 30 Fax: 2163080285 , Web: www.demirmak.com		
E-Mail:	info@demirmak.com		
Trade Register Number:	563282		
Buyer:			
Address:			
Contract No:		Invoice No:	10267
Contact Date:		Invoice Date:	23.12.2024

QUANTITY	EXPLANATION	UNIT PRICE	TOTAL AMOUNT
15	FE-P 10 SILENT TYPE DIESEL PORTABLE SINGLE-PHASE GENERATOR 8 KW- 10 KVA	USD 1.250,00	USD 18.750,00
10	FE-P15-3 SILENT TYPE DIESEL PORTABLE THREE-PHASE GENERATOR 12 KW- 15 KVA	USD 3.000,00	USD 30.000,00
8	FE-QST 70 GENERATOR SET WITH CABINET AND AUTOMATIC TRANSFER PANEL (4 POLE ATS) & WATER RESISTANCE - CONTROL PANEL: DATAKOM D-300 70 KVA STANDBY- 63 KVA PRIME POWERS	USD 5.250,00	USD 42.000,00
1	FE-QST 100 GENERATOR SET WITH CABINET AND AUTOMATIC TRANSFER PANEL (4 POLE ATS) & WATER RESISTANCE - CONTROL PANEL: DATAKOM D-300 100 KVA STANDBY- 90 KVA PRIME POWER	USD 7.300,00	USD 7.300,00
2	FE-QST 125 GENERATOR SET WITH CABINET AND AUTOMATIC TRANSFER PANEL (4 POLE ATS) & WATER RESISTANCE - CONTROL PANEL: DATAKOM D-300 125 KVA STANDBY- 113 KVA PRIME POWER	USD 8.700,00	USD 17.400,00
1	FE-QST 220 GENERATOR SET WITH CABINET AND AUTOMATIC TRANSFER PANEL (4 POLE ATS) & WATER RESISTANCE - CONTROL PANEL: DATAKOM D-300 220 KVA STANDBY- 200 KVA PRIME POWER	USD 10.800,00	USD 10.800,00
		KDV (20 %)	Register for export
		TOTAL (USD)	USD 126.250,00

Terms of Delivery: EXW İSTANBUL

IBAN INFORMATION

BANK NAME: T.İŞBANKASI, Natoyolu
LEGAL ENTITY: DEMİR MAKİNE İTH. İHR. SAN. VE TİC. LTD. ŞTİ.
IBAN: TR79 0006 4000 0021 2420 0001 72 (USD)
IBAN: TR89 0006 4000 0021 2420 0001 86 (EURO)
SWIFT CODE: ISBKTRIS

PAYMENT METHOD AND CONDITIONS

- 1: 100 % advance payment , Order will be accepted by total payment .
- 2: Products are Factory Delivery EXW.
- 3: Assembly and installation belongs to the Buyer Company.
- 4: The products are guaranteed for 2 years or 1000 working hours.
- 5: The Delivery date is in 2 days after the whole payment (% 100) recieved.
- 6: The EXW loading adress is same as the company adress.

Seller

DEMİR
MAKİNE İTHALAT İHRACAT SAN. VE TİC. LTD. ŞTİ.
Osman gazı Mah. Mertler Cad. Şenlik Sok. No:6
Sarıyer, Sarıyer / İstanbul
Tel: +90 216 308 05 30
Fax: +90 216 308 02 85
Sultanbeyli V.D.2780000000

Buyer

DEMİR MAKİNE İTH.İHR.SAN.VE TİC.LTD.ŞTİ OSMANGAZI MAH. MERTLER CAD.ŞENLİK SOK. NO:6
SANCAKTEPE / İSTANBUL
www.demirmak.com / 0850 241 33 33



Features: Portable Single Phase Silent Type Diesel Generator



Oil Level Alarm

When the oil level is low that the engine will not start.



AVR

AVR is a device often solid state, for controlling the output voltage of a generator



Digital Control Panel

Digital control panel (V, A, Hz, kW, Bat V values are displayed on the control panel).



Sound Insulated Protection Cabins

Its designed to provide ideal sound level & protection.



Circuit Protector

Circuit Protector is a device capable of carrying and interrupting both load and fault current up to a certain rating



Large Fuel Tank Capacity



Battery

12 V – 36 A



Wheel Transport System



ATS Socket

Specification

Genset		Engine		Size	
Standby	8 kW /10 kVA	Model	195FCG	Weight	185/190 kg
Prime	7.2kW /9 kVA	Max. Output Power	8.0 hp /8.8 kW	Width	1120 mm
Rated Current	43	Rotation Speed	3000 / 3600 r/min	Length	545 mm
Dc Output	12V 8.3A	Cooling System	Air-Cooled	Height	705 mm
Starting System	Electrical Start	Excitation Mode	SCR Self-Excited		
Rated Voltage	220 (V)	Oil Type	10W-30, 15W-40		
Fuel Type	Diesel	Fuel Tank Capacity	16 L		
Number of Phases:	Single Phase	BorexStroke	95x75 mm		
Noise Level	74 Db(A)	Displacement	0.535 L		
Continuous Operating Time	13 H	Lubrication oil capacity	1.65 L		
Rated Frequency	50 / 60 Hz	Engine Type	1 Cylinder, 4Stroke, Direct Injection, Diesel Engine		
Power Factor (cosφ)	1.0 / 0.8				

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The maxpower available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utilitypower outage or under test conditions for up to 200 hrs of operation per year under average of 70%load.Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.



Portable Three Phase Silent Type Diesel Generator



Oil Level Alarm

When the oil level is low that the engine will not start.



AVR

AVR is a device often solid state, for controlling the output voltage of a generator



Digital Control Panel

Digital control panel (V, A, Hz, kW, Bat V values are displayed on the control panel).



Sound Insulated Protection Cabins

Its designed to provide ideal sound level & protection.



ATS Soket



Circuit Protector

Circuit Protector is a device capable of carrying and interrupting both load and fault current up to a certain rating



Large Fuel Tank Capacity



Battery

12 V – 45 A



Wheel Transport System

Genset		Engine		Size	
Standby	12 kW /15 kVA	Model	2V92FG	Weight	280 kg
Prime	11 kW /14 kVA	Max. Output Power	22 hp /16 kW	Width	1120 mm
Rated Current	45 /23 A	Rotation Speed	3000 / 3600 r/min	Length	680 mm
Dc Output	12V 8.3A	Cooling System	Air-Cooled	Height	895 mm
Starting System	Electrical Start	Excitation Mode	SCR Self-Excited		
Rated Voltage	220 / 380 (V)	Oil Type	10W-30, 15W-40		
Fuel Type	Diesel	Fuel Tank Capacity	25 L		
Number of Phases:	Three Phase	Bore×Stroke	92x75 mm		
Noise Level	74 Db(A)	Displacement	0.997 L		
Continuous Operating Time	12 H	Lubrication oil capacity	3.8 L		
Rated Frequency	50 / 60 Hz	Engine Type	2Cylinder,4Stroke Direct Injection,, Diesel Engine		
Power Factor (cosφ)	1.0 / 0.8				

Continuous Power

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Standby Power

The maxpower available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utilitypower outage or under test conditions for up to 200 hrs of operation per year under average of 70%load.Overloading isn't permissible.

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The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.



Water Cooled



50 Hz



Easy
Maintenance



Three Phase



Diesel



Warning System
for Fuel Level

GENERAL FEATURES

PRIME

STANDBY

Power	KVA	63	70
Power	KW	50	56
Power	(cos Phi=0,8) A	90.72	100.8
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

Our company has ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 10002:2018 quality certificates. Fe Power generators comply with the CE marking, which includes the following directives:

- 2006/42/EC, Machinery safety
- 2006/95/EC, Low Voltage (LVD) Directive
- TS EN 60204-1, TS EN 88528-11, TS 12650, TS ISO 8528-1, TS ISO 8528-2, TS ISO 8528-3, TS ISO 8528-4, TS ISO 8528-5, TS ISO 8528 - 6, TS ISO 8528 - 8, TS ISO 8528-12, TS 3033 EN 60529, TS EN 60034-22, TS EN 88528-11, TS HD 60364-5-551

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

ENGINE SPECIFICATION

Brand		QSTRONG
Model		ZH4105ZD
Standby / Prime	(kW)	62/56
Revolutions Per Minute	(r.p.m.)	1500
Cylinder Displacement	(L)	3.9
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	105x125
Compression Rate		17: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(V)	12
Lubrication Oil Capacity	(L)	13
Engine Coolant Capacity	(L)	17
Fuel Tank	(L)	150
Fuel Consumption 50%	(L/h)	7.5
Fuel Consumption 75%	(L/h)	11.2
Fuel Consumption 100%	(L/h)	15

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

ALTERNATOR SPECIFICATIONS

Manufacturer		MUYI
Alternator Model		MYI 224E
Power	(kVA)	70
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 22
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]

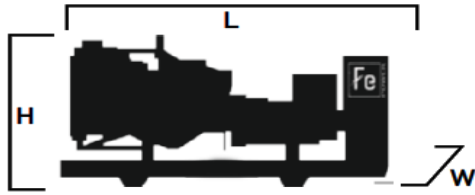
STANDBY POWER;

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

PRIME POWER;

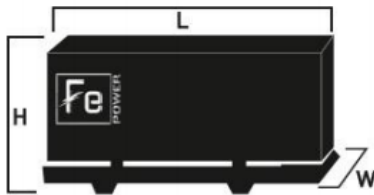
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 1 hour per 12 hours.

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1400
Width (W)	mm	1000
Wet weight	kg	913
Fuel Tank Capacity	L	150

SPECIFICATION WITH CABIN



Length (L)	mm	2500
Height (H)	mm	1600
Width (W)	mm	1000
Wet weight	kg	1156
Fuel Tank Capacity	L	150

GENSET CONTROLLERS



 **Datakom D-300 MK3**

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 aging of
- 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 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



Water Cooled



50 Hz



**Easy
Maintenance**



Three Phase



Diesel



**Warning System
for Fuel Level**

GENERAL FEATURES

PRIME

STANDBY

Power	KVA	90	100
Power	KW	66	73
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	

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- 2006/95/EC, Low Voltage (LVD) Directive
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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

ENGINE SPECIFICATION

Brand		QSTRONG
Model		R4105AZLD
Standby / Prime	(kW)	73/66
Revolutions Per Minute	(r.p.m.)	1500
Cylinder Displacement	(L)	4.6
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	105x130
Compression Rate		17: 00
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(V)	12
Lubrication Oil Capacity	(L)	14
Engine Coolant Capacity	(L)	13
Fuel Tank	(L)	150
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

Manufacturer		MUYI
Alternator Model		MYI 224G
Power	(kVA)	100
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 22
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]

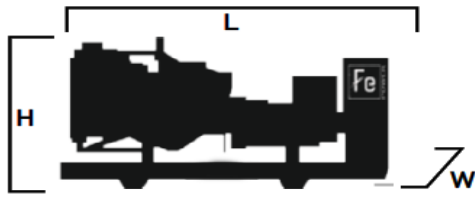
STANDBY POWER;

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

PRIME POWER;

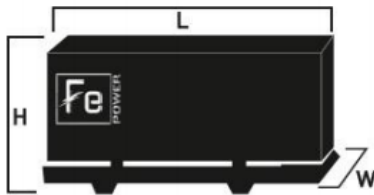
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 1 hour per 12 hours.

SPECIFICATION WITHOUT CABIN



Length (L)	mm	2500
Height (H)	mm	1400
Width (W)	mm	1000
Wet weight	kg	905
Fuel Tank Capacity	L	150

SPECIFICATION WITH CABIN



Length (L)	mm	2500
Height (H)	mm	1600
Width (W)	mm	1000
Wet weight	kg	1180
Fuel Tank Capacity	L	150

GENSET CONTROLLERS



 **Datakom D-300 MK3**

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 aging of
- 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 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



Water Cooled



50 Hz



Easy
Maintenance



Three Phase



Diesel



Warning System
for Fuel Level

GENERAL FEATURES

PRIME

STANDBY

Power	KVA	113	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	

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- 2006/42/EC, Machinery safety
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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

ENGINE SPECIFICATION

Brand		QSTRONG
Model		R6105ZLD
Standby / Prime	(kW)	110/100
Revolutions Per Minute	(r.p.m.)	1500
Cylinder Displacement	(L)	6.5
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	(V)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	175
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

Manufacturer		MUYI
Alternator Model		MYI 274C
Power	(kVA)	125
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 22
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]

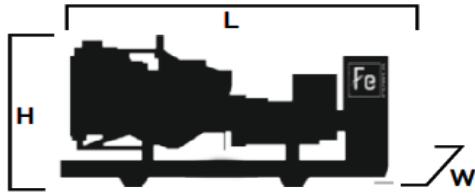
STANDBY POWER;

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PRIME POWER;

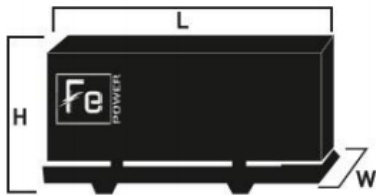
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SPECIFICATION WITHOUT CABIN



Length (L)	mm	3000
Height (H)	mm	1500
Width (W)	mm	1100
Wet weight	kg	1265
Fuel Tank Capacity	L	175

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1750
Width (W)	mm	1100
Wet weight	kg	1550
Fuel Tank Capacity	L	175

GENSET CONTROLLERS



 **Datakom D-300 MK3**

CONTROL PANEL SPECIFICATION

- Diesel and gas genset support
- 400Hz operation support
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- 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 aging of
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
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- Reverse power protection
- Overload IDMT protection
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- GPS connectivity (RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with optional gasket



Water Cooled



50 Hz



**Easy
Maintenance**



Three Phase



Diesel



**Warning System
for Fuel Level**

GENERAL FEATURES

PRIME

STANDBY

Power	KVA	198	220
Power	KW	150	165
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	

Our company has ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 10002:2018 quality certificates. Fe Power generators comply with the CE marking, which includes the following directives:

- 2006/42/EC, Machinery safety
- 2006/95/EC, Low Voltage (LVD) Directive
- TS EN 60204-1, TS EN 88528-11, TS 12650, TS ISO 8528-1, TS ISO 8528-2, TS ISO 8528-3, TS ISO 8528-4, TS ISO 8528-5, TS ISO 8528 - 6, TS ISO 8528 - 8, TS ISO 8528-12, TS 3033 EN 60529, TS EN 60034-22, TS EN 88528-11, TS HD 60364-5-551

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

ENGINE SPECIFICATION

Brand		QSTRONG
Model		R6108IZLD
Standby / Prime	(kW)	165/150
Revolutions Per Minute	(r.p.m.)	1500
Cylinder Displacement	(L)	6.87
Number of Cylinder		6 IN LINE
Bore x Stroke	(mm x mm)	108 x 125
Compression Rate		16: 01
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(V)	24
Lubrication Oil Capacity	(L)	18
Engine Coolant Capacity	(L)	16
Fuel Tank	(L)	175
Fuel Consumption 50%	(L/h)	23
Fuel Consumption 75%	(L/h)	35
Fuel Consumption 100%	(L/h)	47

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

ALTERNATOR SPECIFICATIONS

Manufacturer		MUYI
Alternator Model		MYI 274G
Power	(kVA)	220
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 22
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]

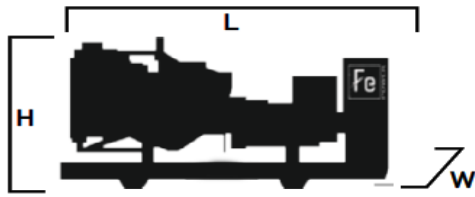
STANDBY POWER;

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

PRIME POWER;

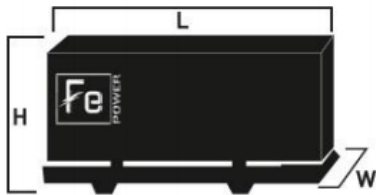
It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 1 hour per 12 hours.

SPECIFICATION WITHOUT CABIN



Length (L)	mm	3000
Height (H)	mm	1500
Width (W)	mm	1100
Wet weight	kg	1500
Fuel Tank Capacity	L	175

SPECIFICATION WITH CABIN



Length (L)	mm	3000
Height (H)	mm	1750
Width (W)	mm	1100
Wet weight	kg	1915
Fuel Tank Capacity	L	175

GENSET CONTROLLERS



 **Datakom D-300 MK3**

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 aging of
- 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 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