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YARMAX

常州洋马动力机械有限公司
CHANGZHOU YARMAX POWER CO., LTD

About Us

Since 2007 Changzhou Yarmax Power Co., Ltd specialized in the ultimate power solution, research, design and production of Engines, Power Generators and Water Pumps with the state of art of the technology and unique design.

We only focus on the great goal to be the power expert by your side.

YARMAX Power. Power The World !

Our main products including Air Cooled Diesel Engine, Air Cooled Diesel Generators, Welding Generators, Water Pumps and Water Cooled Diesel Generators from power range of 10KVA-2000KVA with very strong capability, advanced production lines and quality inspections.

Moreover, we fully carry out quality management system and strictly enforce the management system of ISO9001; 2000 and CE. We keep seeking researching and producing new variety of products with our very skillful professional team of technicians and workers. Our products have good reputation and goodwill in both local and international market.

We encourage the participation of all our staff members to reply on quality, development and creativity. We also strictly follow the valuable feedback of our valued customers and agents.

We are looking forward to co-work with overseas companies based on mutual benefits and provide the best service to the world !

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Contents

YARMAX

Air Cooled Diesel Engine Series

Product Description

- The miniaturized fuel injection system
- Low fuel consumption
- Lightweight and compact design
- Easy and quick start
- Stand up the hard work
- Recoil or electric starting

Features

Unique Drive System
The drive gear design is incorporated into the latest YARMAX diesel engine which will greatly reduce vibration and noise.

Fuel System Technology
Fuel systems assure high efficiency operation.The precision machined and precisely timed injection pump and the direct-injection design leads to lower fuel consumption and reduced tailpipe emissions. The engines meets current and proposed EPA emission standards.

Advanced Noise-reduce Design
The high efficiency muffler system greatly lowers exhaust noise. With the addition of the advanced design air induction system, intake noise is reduced to a low level. The design or the cylinder block, engine cover, and valve train all combine to reduce engine noise levels.

Specification of Air Cooled Diesel Engine

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Pictures

Specifications

Model 型号	YM170F	YM173F	YM178F	YM186F	YM186FA	YM188F	YM190F	YM192F
Type 型式	Single-cylinder, vertical, air-cooled, 4-stroke, direct injection/单缸、立式、风冷、四冲程、直喷式							
Bore×Stroke 缸径×冲程(mm)	70×55	73×59	78×62	86×70	86×72	88×75	90×74	92×75
Displacement 排量(L)	0.211	0.246	0.296	0.406	0.418	0.456	0.470	0.499
Compression Ratio 压缩比	20	20	20	19	19	19	19	19
Lubricating system 润滑方式	Pressure splashed 压力飞溅复合式							
Starting system 启动方式	Recoil starter/Electric starter 反冲式手拉起动/电起动							
Fuel type 燃油牌号	0#, -10#, -20# diesel 0号、-10号、-20号柴油							
Lube oil type 润滑油牌号	CD grade or SAE 10W-30, 15W-40 CD级或SAE10W-30, 15W-40							
Starting motor capacity 起动马达容量(V, KW)	12V 0.8KW							
Charging generator capacity 充电发电机容量(V, A)	12V 3A							
Battery capacity 蓄电池容量(V, AH)	12V24Ah-36Ah							

Optional

Optional function	Note	Optional parts	Note	Optional color	Note
Electric start		Oil bath filter		Red	
Emergency stop		NSK bearing		Orange	
Camshaft out put		BOSCH injector		White	
		BOSCH injection		Yellow	

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Open Type Diesel Generator Series

Product Description

- Easy and quick start
- Economic and full capacity and less
- Three phase output can meet various needs
- NewAVR(AutomaticVoltage Regulator) stabilizes the output power
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

Specifications for E Series

YARMAX

Pictures

Specifications

Optional

Optional function	Note	Optional parts	Note	Optional color	Note
Recoil start		NSK bearing		Red	
ATS(Automatic Transfer Switch)		BOSCH injector		Orange	
Remote start		BOSCH injection		White	
		Digital panel		Yellow	
		Different Wheels			
		Over load protection			
		Over current protection			

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Specifications for EA Series

Pictures

Specifications

Optional

Specifications for EB-I Series

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Pictures

Specifications

Optional

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Specifications for EB-II Series

Pictures

Specifications

Optional

Economic Silent Type Diesel Generator Series

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Product Description

- Easy and quick start
- Less vibration and full capacity
- New AVR(Automatic Voltage Regulator) stabilizes the output power
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

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Specifications for 6500T Series

Pictures

Specifications

Optional

Specification for 6700T Series

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Pictures

Specifications

Optional

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Luxurious Type Silent Diesel Generator Series

Product Description

- Less maintaince, fast cooling system
- Strong body and unique design
- Easier and more convenient electric starter
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

Specification for 6800T Series

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Pictures

Specifications

Optional

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Super Silent Diesel Generator Series

Product Description

- Stylish and Compact design
- Light weight and Excellent performance
- Noise level 86dB
- Easy and quick start
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

Specification for 6900T Series

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Pictures

Specifications

Optional

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Ultra Silent Diesel Generator Series

Product Description

- Ultra silent design
- World lowest noise level 62dB
- Unique cooling system, zero vibration
- Easy and quick start
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

Specifications for 7000T Series

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Pictures

Specifications

Optional

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Water Cooled Diesel Generator Series

Product Description

- Easy and quick start
- New AVR(Automatic Voltage Regulator) stabilizes the output power
- Low oil level alarming system will automatically stop the generator when lube oil is less than the set value

Features

Strong Power
All generator sets are equipped with YARMAX four-stroke V type water cooled diesel engines.

Low Noise Running
High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

Low Oil Alarm System
Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

Application of New AVR
The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

Advanced Alternator Winding
Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

Specifications for Water Cooled Diesel Generator

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Pictures

Specifications

Optional

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Welding-Generator Dual Function Series

Product Description

- One unit, dual function
- Simultaneous use
- Perfect welding
- Excellent electricity
- Easy maneuver ability
- Wide application

Features

One Unit, Dual Function
YARMAX original technology gives birth to such an advanced product with dual functions-welding & generating, which brings more economical products for the consumer.

Simultaneous Use
Generating and welding can be operated simultaneously, while welding operation won't impact an influence on the waveform and voltage of the generating operation.

Perfect Welding
The unit can achieve perfect waveform of the welding voltage by utilizing IGBT and PWM technology. Non-fluctuating welding current realizes high quality welding operation.

Excellent Electricity
New Automatic Voltage Regulator (AVR) and damper winding further enhance the electricity performance with extremely low voltage regulation and minimum waveform distortion.

Easy Maneuver Ability
Lightweight and compact design improves on-site maneuverability and save a lot of storage space. And its four durable castors are helpful to its easy transportation.

Wide Application
The welding arc is super smooth to get the perfect welding quality in all kinds of the applications. Furthermore, its welding current regulation is wide enough to suit most of welding rods.

Specification of Welding Generators

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Pictures

Specifications

Optional

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Specification of Welding Generator

Pictures

Specifications

Optional

Diesel Water Pump Series

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Product Description

- Powered by YARMAX's strong four-stroke engines
- Easy maintenance and wide application
- Full frame protection greatly reduces vibration
- Famous for sophisticated design and excellent performance
- Featured by easy starting, simple operation, low fuel consumption, a longer service life, low pollution, etc

Features

Economical Running
Equipped with YARMAX engines, YARMAX pumps assure superior combustions efficiency and minimized fuel consumption.

Portability
Adopted special alloy frame, largely reduced the weight and assures simple use.

A Wide Range
Excellent and advanced impeller ensures water supply in a wide range.

Durable Construction
The principal parts of each pump are reinforced for superior wear resistance and corrosion resistance.

Easy Maintenance
Cleaning the inside casing can be done simply by just removing a few bolts.

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Specifications for Air Cooled Diesel Water Pump

Pictures

Specifications

Model 机组型号	YMDP20	YMDP30	YMDP40	YMDP60
Type 水泵类型	Diesel water pump/柴油泵			
Suction/Discharger Port Diameter 进出口直径(mm)(in)	50(2")	80(3")	100(4")	150(6")
Discharge capacity 额定流量(m³/h)	36	50	96	170
Total head 总扬程(m)	25	26	28	20
Self-priming Time 自吸时间(s/4m)	80	120	180	180
Max suction head 最大吸程(m)	8	8	8	6
Rotation speed 转速(r/min)	3600			
Noise level 噪声水平[dB(A)/7m]	85			
Overall Dimension 外型尺寸(L×W×H)(mm)	525×410×515	570×440×550	650×480×600	760×545×650
Dry weight 净重(kg)	38.5	49	62.5	90
Engine model 配套动力型号	YM170	YM178	YM186FA	YM192
Rated Power 额定功率(kW)	2.8	4	6.3	8.5
Fuel consumption 燃油消耗率(g/kW.h)	288	285	281	281
Displacement 排量(cm³)	211	296	418	499
Starter system 起动方式	Recoil starter/反冲手拉启动			

Optional

Optional function	Note	Optional parts	Note	Optional color	Note
Electric start		NSK bearing		Red	
		BOSCH injector		Orange	
		BOSCH injection		White	
		15L fuel tank		Yellow	

Specification for Air Cooled Diesel High Pressure Water Pump

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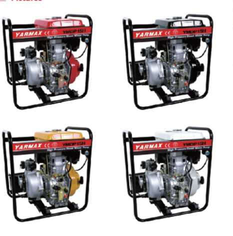
Pictures



Specifications

Model 机组型号	YMDP15H	YMDP20H
Type 水泵类型	Diesel water pump/柴油泵	
Suction/Discharger Port Diameter 进出口直径(mm)(in)	40(1.5")	50(2")
Discharge capacity 额定流量(m³/h)	20	36
Total head 总扬程(m)	70	70
Self-priming Time 自吸时间(s/4m)	120	180
Max suction head 最大吸程(m)	8	8
Rotation speed 转速(r/min)	3600	
Noise level 噪声水平[dB(A)/7m]	85	
Overall Dimension 外型尺寸(L×W×H)(mm)	570×465×670	570×465×670
Dry weight 净重(kg)	45	69
Engine model 配套动力型号	YM178	YM186FA
Rated Power 额定功率(kW)	4	6.3
Fuel consumption 燃油消耗率(g/kW.h)	285	288
Displacement 排量(cm³)	296	418
Starter system 起动方式	Recoil starter/反冲手拉启动	

Optional

Optional function	Note	Optional parts	Note	Optional color	Note
Electric start		NSK bearing		Red	
		BOSCH injector		Orange	
		BOSCH injection		White	
		15L fuel tank		Yellow	

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Specifications for Cast Iron Water Pump

Pictures

Specifications

Model 机组型号	YMDP15I	YMDP20I	YMDP30I
Type 水泵类型	Diesel water pump/柴油泵		
Suction/Discharger Port Diameter 进出口直径(mm)(in)	40(1.5")	50(2")	80(3")
Discharge capacity 额定流量(m³/h)	19	30	40
Total head 总扬程(m)	70	75	80
Self-priming Time 自吸时间(s/4m)	120	120	200
Max suction head 最大吸程(m)	6	6	6
Rotation speed 转速(r/min)	3600		
Noise level 噪声水平[dB(A)/7m]	85		
Overall Dimension 外型尺寸(L×W×H)(mm)	570×460×680	570×460×680	570×490×720
Dry weight 净重(kg)	65	70	80
Engine model 配套动力型号	YM170	YM178	YM186FA
Rated Power 额定功率(kW)	2.8	4	6.3
Fuel consumption 燃油消耗率(g/kW.h)	288	285	281
Displacement 排量(cm³)	211	296	418
Starter system 起动方式	Recoil starter/反冲手拉启动		

Optional

Optional function	Note	Optional parts	Note	Optional color	Note
Electric start		NSK bearing		Red	
		BOSCH injector		Orange	
		BOSCH injection		White	
		15L fuel tank		Yellow	

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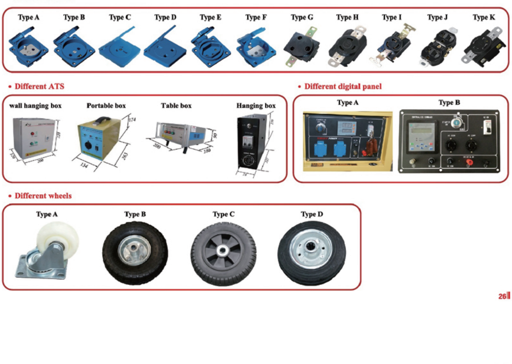
Main optional spare parts for air cooled diesel generator



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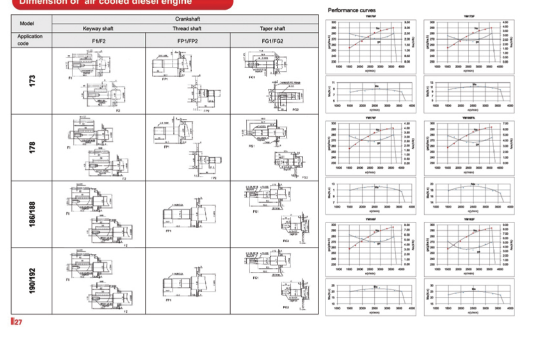
Dimension of air cooled diesel engine



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