

Single Cylinder General Engines (Diesel)

Unique Drive System

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

Fuel System Technology

Fuel systems assure high efficiency operation.

The precision machined, precisely timed injection pump, and the direct-injection design lead to lower fuel consumption and reduces tailpipe emissions. The engine 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 of air induction system, intake noise is reduced to a low level. The designs of the cylinder block, engine cover, and valve train all combine to reduce engine noise levels.



Model	KM170F	KM178F	KM186F	KD188F
Type	Single-cylinder, vertical, air-cooled, 4-stroke, direct injection			
Bore×Stroke (mm)	70×55	78×62	86×70	88×86
Displacement(L)	0.211	0.296	0.406	0.523
Compression ratio	20	20	19	19
Rated power/ Rated speed (kw/r/min)	2.5/3000 2.8/3600	3.68/3000 4/3600	5.7/3000 6.3/3600	6.6/3000 7.35/3600
Lowest rotation speed at zero load (r/min)	≤1300			
Lubricating system	Pressure splashed			
Starting system	Recoil starter/Electric starter			
Rotation direction(face to the output axle)	Anticlockwise			Clockwise
Fuel type	0# -10# -20# diesel			
Fuel tank capacity (L)	2.5	3.5	5.5	
Fuel consumption/related rotation speed (g/kW.h/r/min)	280.2/3000 288.3/3600	276.1/3000 285.6/3600	275.1/3000 281.5/3600	274/3000 279/3600
Lube oil type	CD grade or SAE 10W-30, 15W-40			
Lube oil capacity (L)	0.75	1.1	1.65	
Starting motor capacity (V kW)	12V 0.8kW			
Charging generator capacity (V A)	12V 3A			
Battery capacity (V Ah)	12V24Ah-36Ah	Above 12V36Ah		
Overall dimension L×W×H mm	335X380X415	385X420X450	420X440X495	422×480×530
Dry weight(kg)	≤27 Recoil starter or ≤32 Electric starter	≤33 Recoil starter or ≤38 Electric starter	≤47 Recoil starter or ≤52 Electric starter	≤50 Recoil starter or ≤53 Electric starter



Push-type mobile lighting tower

- Applicable for most of inside and outside place. Asphalt paving, disaster relief, repair and maintenance of water supply, gasoline, tunnels, and mines, waste disposal, parking lot, wharf, civil and military airport, as well as various illuminations for combat readiness.
- Installed with generator, the light tower works with convenient power supply
- Night construction condition has been improved to raise working efficiency and speed.

Characteristic :

The four 100w Projection light, lamp holder composition, have high lumen output, good color rendition and overall lighting, long lamp life.

- Lamp frame can rotate horizontal and freely, each lamp can vertical adjust lonely.
- Telescope mast use three section, Hand-shaking lift, avoid to drop suddenly. Mast can extend to 4.2 meters (height can be change).
- Installed with generator, one tank gasoline can last 8 hours. If use city power, it's long term.
- Equipped with big tyres and brake system, increasing its capacity to climb and trail to move on uneven road. Big tyres also increase touchdown areas to oppose wind beating.
- Using waterproof electrical boxes to avoid rain, suit for bad condition.



Model	FW6130
Max.output (KW)	5
Frequency (HZ)	50
Rated AC Voltage(V)	230
Fuel Tank Capacity (L)	15
Fuel	0# or -10# light diesel oil
Oil warning Light	With
Continuous Running Time (hr)	8
Mast	Hand-cranked lifting mast
light source	4 x100W LED
Luminous flux(lm)	440000
Mast ascent limitmm)	4500
Windproof grade	< 8 grade
Dimension(L×W×H) [mm (in)]	1250 x 875 x 1600
Net Weight[kg (lbs.)]	220