



Engine type - <b>KM170F</b>	Single cylinder,4-stroke,air-cooled,direct injection, diesel engine
Bore*stroke[mm(in)]	70x55(2.76x2.17)
Displacement[ml(cu.in)]	211 (12.88)
Engine speed(rpm)	3000/3600
Compression ratio	20 : 1
Rated output power[kW(HP)/rpm]	2.5 (3.4) /3000, 2.8 (3.8) /3600
Rotation direction (view from flywheel)	Clockwise
Fuel	0#or-10#light diesel oil
Fuel tank volume[L(gal.)]	2.5(0.55)
Fuel consumption rate[g(ml)/kW.h]	3000rpm:280(333),3600rpm:288(342)
Lubrication oil volume[L(gal.)]	0.8(0.180)
Power-Take-Off	Crankshaft or Camshaft
Starting system	Recoil
Overall dimension(L*W*H)[mm(in)]	332x348x416(13.07x13.70x16.38)
Dry weight[kg(ibs.)]	26(57.2)
Lube brand	SAE10W30(above CC grade )



Engine type - <b>KM178F</b>	Single cylinder, 4-stroke, air-cooled,direct injection,diesel engine
Bore*stroke[mm(in)]	78×62(3.07×2.44)
Dispiacement[ml(cu.in)]	296(18.06)
Engine speed(rpm)	3000/3600
Compression ratio	20∓ 1
Rated output power[kW(HP)/rpm]	3.7(5.03)/3000∓ 4.0(5.44)/3600
Rotation direction (view from flywheel)	Clockwise
Fuel	0#or-10#light diesel oil
Fuel tank volume[L(gal.)]	3.5(0.77)
Fuel consumption rate[g(ml)/kW.h]	3000rpm:276(329)∓ 3600rpm:285(339)
Lubrication oil volume[L(gal.)]	1.1(0.24)
Power-Take-Off	Crankshaft or Camshaft
Starting system	Recoil
Overall dimension(L*W*H)[mm(in)]	383×421×450(15.08×16.57×17.72)
Dry weight[kg(ibs.)]	33(72.6)
Lube brand	SAE10W30(above CC grade)



Engine type – <b>KM186F</b>	Single cylinder, 4-stroke, air-cooled, direct injection, diesel engine
Bore*stroke[mm(in)]	86×70(3.39×2.76)
Displacement[ml(cu.in)]	406(24.78)
Engine speed(rpm)	3000/3600
Compression ratio	19 : 1
Rated output power[kW(HP)/rpm]	5.7(7.75)/3000, 6.3(8.57)/3600
Rotation direction (view from flywheel)	Clockwise
Fuel	0#or-10#light diesel oil
Fuel tank volume[L(gal.)]	5.5(1.21)
Fuel consumption rate[g(ml)/kW.h]	3000rpm:275(327), 3600rpm:281(334)
Lubrication oil volume[L(gal.)]	1.65(0.36)
Power-Take-Off	Crankshaft or Camshaft
Starting system	Recoil (Same Engine would come with Key)
Overall dimension(L*W*H)[mm(in)]	417×470×494(16.42×18.50×19.45)
Dry weight[kg(ibs.)]	48(105.6)
Lube brand	SAE10W30 (above CC grade)



#### Robin Machineries & Equipment

Tel: 000971-4-2217124

Fax: 000971-4-2234493

POBox: 5229 Dubai, UAE

Email: [alawitra@emirates.net.ae](mailto:alawitra@emirates.net.ae)

[www.alawigroup.ae](http://www.alawigroup.ae)