



- **Direct Injection Combustion System**
- **Efficient Air Cleaner System**
- **Low Noise, Great Stability and Compact Structure**
- **Economical - Huge Fuel Saving as compare to Petrol Engine Vibrator**

SPECIFICATIONS

Model	170F	178FE	186FA/186FAE
Type	Single-cylinder.vertical 4-cycle air-cooled diesel		
Combustion system	Direct injection		
Displacementcc (cu.in)	211 (12.88)	296(18.06)	418(25.51)
BoreXstroke mm (in.)	70x55 (2.76x2.17)	78x62(3.07x2.44)	86x72(3.39x2.83)
Engine speed rpm	3000 / 3600	3000 / 3600	3000 / 3600
Maximum output ps	3.8 / 4.2	5.5 / 6.0	9.5 / 10.1
Continuous output ps	3.4 / 3.8	5.0 / 5.5	8.5 / 9.1
Power-take-off	Crankshaft or camshaft (Camshaft PTO rpm is 1/2)		
Starting system	Recoil or Recoil/Electric		
Fuel tank capacity l(u.s gal)	2.5(0.66)	3.5 (0.92)	5.5(1.45)
Lub.oil capacity l (u.s gal)	0.75(0.198)	1.1 (0.92)	1.65(0.44)
Dimensions (D spec) (LxWxH)mm (in)	332x384x416 (13.07x15.12x16.38)	383x421x450 (15.08x16.57x17.72)	417x470x494x (16.42x18.50x19.45)
Dry weight (Recoil) kg(lb)	26(57)	33(73)	45(99)
Dry weight (Electric) kg(lb)	31(68)	38(84)	50(110)