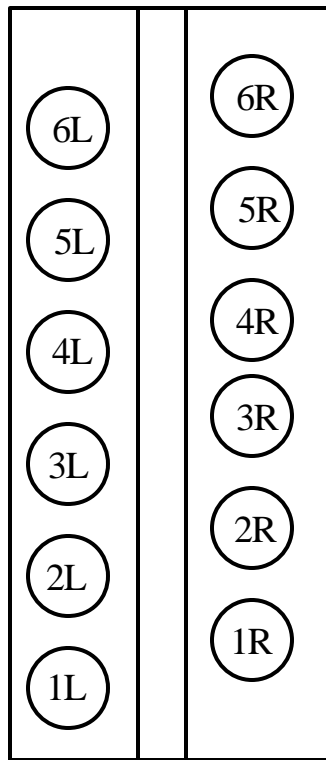


Engine Specifications:

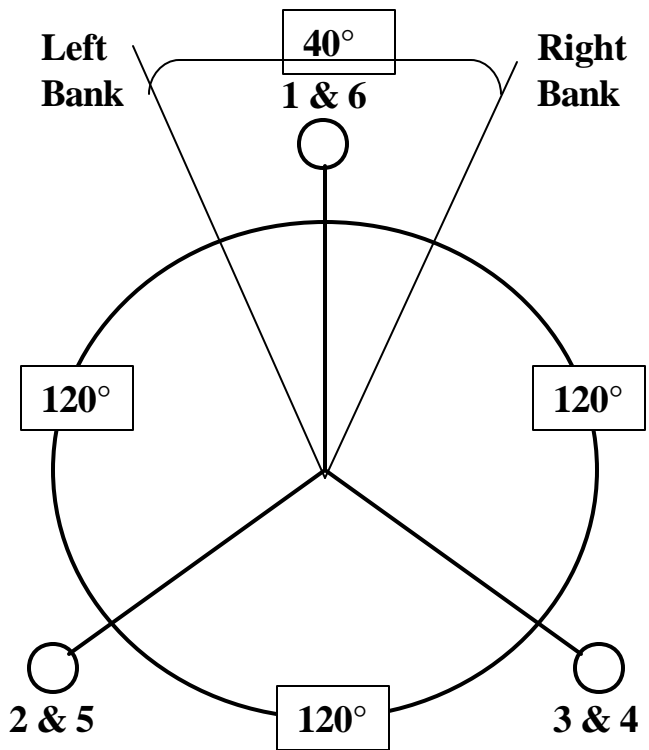
Engine Model	VTA28-G
Type	4 Cycle Diesel
No. of Cylinders	12
Bore of Cylinders	140 mm (5.51 in.)
Stroke	152 mm (5.99 in.)
Reciprocating wt/cyl	7.05 kg (15.54 Lbs)
Connecting Rod Length	305 mm (12.00 in.)

Cylinder Arrangement



Front

Crankshaft Arrangement



Front View

Firing Order:

Right Hand Engine Rotation

1L-6R-2L-5R-4L-3R-6L-1R-5L-2R-3L-4R

Crank Interval between Successive Firing

40° -80° -40° -80° -40° -80° -40° -80° -40° -80° -40° -80°