Swept Volume

Swept volume is the volume swept by a compressor piston during a complete stroke. Swept volume is expressed in cubic inches and calculated as follows:

Head End = Area Piston (in^2) * Stroke (in)

Crank End = (Area Piston (in^2) - Area Rod (in^2)) * Stroke (in)

Total = [2 x Area Piston (in^2) - Area Rod (in^2)] * Stroke (in)