



Maximum Allowable Reciprocating Weight

Each compressor frame has a maximum allowable reciprocating weight limit. This weight is based upon the total combined weight of the connecting rod assembly, crosshead assembly, crosshead nut and piston / rod assembly. The maximum allowable reciprocating weight limits are included in the limitations set within the Ariel performance program.

Reciprocating weight will affect the inertia load, and therefore the combined rod load. Ariel publishes [internal gas rod load limits](#), and maximum allowable reciprocating weights, rather than combined rod load limits.

Ariel's performance program will monitor maximum reciprocating weights versus rotative speed and provide application limitations within the weight balance section.

Refer to Ariel Corporation Electronic DataBook Cylinder Details for rotative speed limitations for the various frames and cylinder classes.