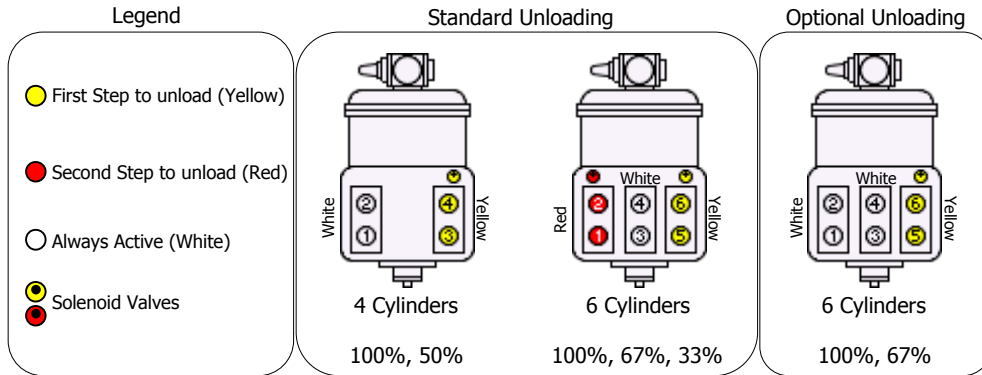


**York**  
**Model Z Compressors**  
**Unloading Characteristics**

Style A and B



For capacity control, solenoid valves are located near the heads (cylinders) that they control. When a solenoid valve is energized the cylinders that it controls are unloaded. When a solenoid valve is de-energized the cylinders that it controls are loaded. The solenoid valves control the flow of oil pressure or unloader pistons which either block the flow of suction gas to the cylinders or allow the flow of suction gas to the cylinders. Some compressors use discharge gas instead of oil pressure. Operation is the same for either oil pressure or discharge gas pressure. 50 psi net oil pressure is required to operate the unloading mechanism.