

Compressor Recharge Current Test Bench Set Up

(NOT compliant with FRC Pneumatics Rules!)



Recharge Current Comparison
Three FRC-Legal Compressors
48 cubic inch system

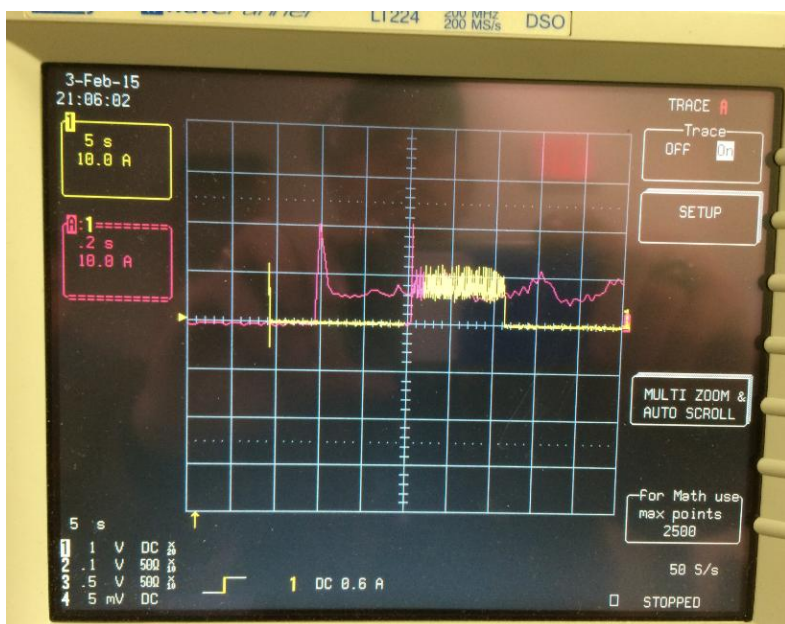


Thomas 405ADC38/12

Initial peak surge: 28 Ampere, 0.5 second duration

Average recharge current: 11 Ampere

Recharge time (~100 to ~120 PSI): 16 seconds

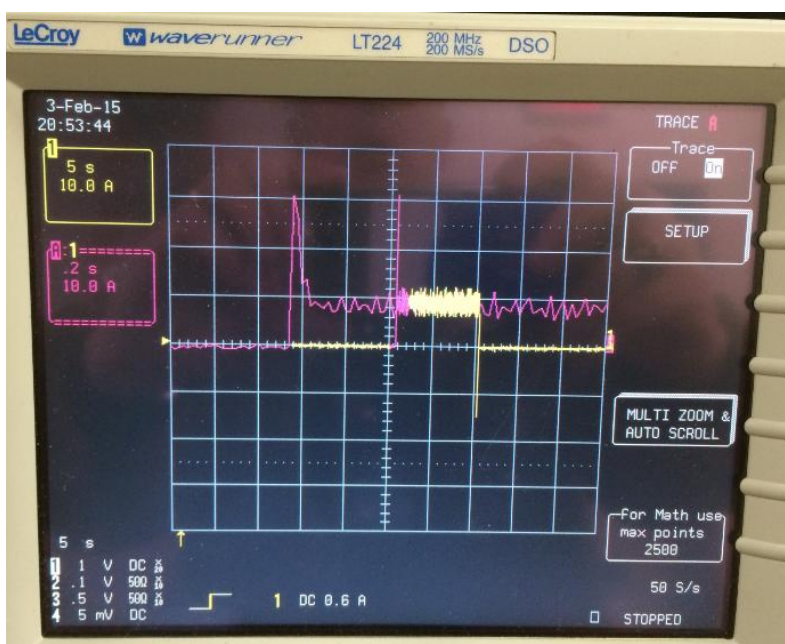


Viair 90C

Initial peak surge: 20 Ampere, <0.1 second duration

Average recharge current: 7 Ampere

Recharge time (~100 to ~120 PSI): 11 seconds



Viair 250C-IG

Initial peak surge: 40 Ampere, <0.1 second duration

Average recharge current: 8 Ampere

Recharge time (~100 to ~120 PSI): 10 seconds