

S&R ENERGIZER PRODUCT FAMILY

**ENERGIZER
RED**



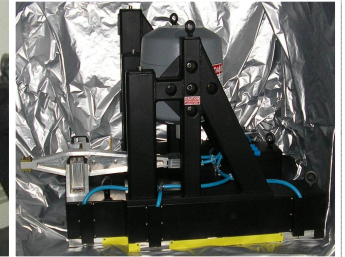
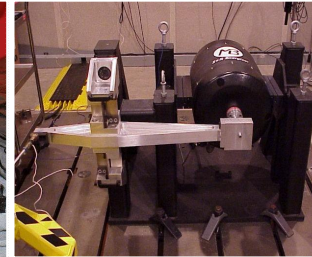
**ENERGIZER
BLUE**



**ENERGIZER BLACK
2:1 Lever Arm**



**ENERGIZER SILVER
2:1 Lever Arm**



Background Noise	Typical S&R Profile: 0.6 Sones; 25 dBA	Typical S&R Profile: 1.5 Sones; 32 dBA	Typical S&R Profile: 1.5 Sones; 32 dBA	Typical S&R Profile: 1.5 Sones; 32 dBA	Typical S&R Profile: 1.5 Sones; 32 dBA	Typical S&R Profile: 1.5 Sones; 32 dBA
Random Force (not cooled)	175 N RMS	300 N RMS	600 N RMS	1,200 N RMS	1550 N RMS	3,100 N RMS
Sine Force (not cooled)	250 N pk	500 N pk	1000 N pk	2,000 N pk	2,325 N pk	4,650 N pk
Peak Force Instantaneous	1000 N pk	2000 N pk	4000 N pk	8,000 N pk	8,900 N pk	17,800 N pk
Force (cooled)	Approx 2X above for sine & random	Approx 2X above for sine & random	Approx 2X above for sine & random	Approx 2X above for sine & random	Approx 2X above for sine & random	Approx 2X above for sine & random
Stroke	38mm p-p	50mm p-p	50mm p-p	25mm p-p	50mm p-p	25mm p-p
Bandwidth	DC - 6,000 Hz	DC-2,000 Hz	DC-2,000 Hz	DC-300 Hz	DC-2,000 Hz	DC-300 Hz
Payload	4.5kg w/o air spring 15kg with air spring	8kg w/o air spring 30kg with air spring	12kg w/o air spring 90kg with air spring	No practical limit with air spring	12kg w/o air spring 90kg with air spring	No practical limit with air spring