

2.1 Technical data

	S 160 (2A5)	S 250 (4A5)	S 450 (3A1)
Operating voltage	12 V	18 V	220-230 V~ 50/60 Hz 120 V~ 50/60 Hz
Nominal power consumption	-	-	1700 W
Stroke number when idling	2000–4800/min	860–1540/min	1880/min
Weight without rechargeable battery / cable	1.3 kg / 2.9 lbs	1.9 kg / 4.2 lbs	6.2 kg / 13.7 lbs
Maximum material thicknesses			
Steel up to 400 N/mm ²	1.6 mm 0.063 in / 16 ga	2.5 mm 0.098 in / 13 ga	4.5 mm 0.177 in / 7 ga
Steel up to 600 N/mm ²	1.25 mm 0.049 in / 18 ga	2 mm 0.079 in / 14 ga	3.5 mm 0.138 in / 10 ga
Aluminum up to 250 N/mm ²	2 mm 0.079 in / 12 ga	3 mm 0.118 in / 9 ga	5 mm 0.197 in / 6 ga
Noise and vibration emission values			
Vibration emission value a_h (vector sum of three directions)	7.6 m/s ²	19.4 m/s ²	8.8 m/s ²
Uncertainty K for vibration emission value	1.5 m/s ²	2.5 m/s ²	1.5 m/s ²
A-assessed sound pressure level L_{PA} typically	69 dB (A)	70 dB (A)	105.2 dB (A)
A-assessed sound power level L_{WA} typically	80 dB (A)	78 dB (A)	116.2 dB (A)
Uncertainty K for noise emission values	3 dB	3 dB	2.5 dB