

Specifications

Performance Specifications: Based on 6 Volts regulated supply. Sheet speed, resolution and accuracy based on standard drums. **380ES** - 32s, **380EH** - 32w, **280ES** and **280EL** - 26s and **280EF** - 32s. Actual performance will vary depending on battery capacity (mAh), type and condition of wiring, electrical connectors, switches and drum size used.

Mechanical Specifications (metric)

Specification	380ES (380EH)	280EF	280ES	280EL	Unit
Max Output Power	14.3	10.7	8.6	8.6	Watts
No Load Speed	3.1	6.1	4.1	2.9	revs/sec
No Load Sheet Speed	0.96	0.48	0.79	0.99	sec/300mm
Stall Torque	29.9	12.2	15.4	19.3	kg.cm
Standard Drum diam	32s[32w]	32s	26s	26s	mm
Max Revolutions	6 [9.6]	3.2	5	6	Revs
Max Travel (std drum)	610 [975]	320	405	490	mm
Resolution (std drum)	0.6 [1]	0.32	0.41	0.49	mm
Accuracy (std drum)	+/- 1 [1.5]	+/- 1	+/- 1	+/- 1	mm
Dimensions	85 x 65 x 53	73 x 55 x 50	73 x 56 x 54	73 x 57 x 54	mm
Weight	168 [175]	134	134	134	gm

Mechanical Specifications (Imperial)

Specification	380ES (380EH)	280EF	280ES	280EL	Unit
Maximum Output Power	19.2	14.4	11.6	11.6	mhp
No Load Speed	3.1	6.1	3.6	2.9	revs/sec
No Load Sheet Speed	0.98	0.49	0.80	1.01	sec/12"
Stall Torque	416	165	214	268	oz.in
Standard Drum diam	1.266	1.226	1.02	1.02	inch
Max Revolutions	6 [9.6]	3.2	5	6	Revs
Max Travel (std drum)	24.2 [38.7]	12.6	16	19.3	inch
Resolution (std drum)	0.024 [0.038]	0.013	0.016	0.019	inch
Accuracy (std drum)	+/- 0.04 [0.06]	+/-0.04	+/- 0.04	+/- 0.04	inch
Dimensions	3.3 x 2.6 x 2.1	2.9 x 2.2 x 2	2.9 x 2.2 x 2.3	2.9 x 2.1 x 2.1	inch
Weight	5.9 [6.2]	4.7	4.7	4.7	ounce

Electrical Specifications

Specification	380ES & 380EH	280EF	280ES & 280EL	Unit
Idle Current	23	23	23	mA
No Load Current	650	550	450	mA
Stall Current	18	12	7	Amps
Maximum Voltage	9	9	9	Volts
Minimum Voltage	3.8	3.8	3.8	Volts

Specifications subject to change.