

## GYRATORY COMPACTOR COMPETITOR COMPARISON

	TROXLER 5850	ELE 45-6750
<b>Power Requirements</b>	115 VAC (±10%), 60 Hz, 15 Amp	115v or 230 (+/- 10%) 50/60hz, 16 amp
<b>Size</b>	174 H x 78.7 D x 68 W cm (68.5 H x 31 D x 26.75 W in.)	192 H x 100 D X 78 W cm
<b>Weight</b>	Approximately 227 Kg (500 lb.)	508 Kg
<b>Shipping Weight</b>	tbc	550 Kg
<b>Consolidation Pressure</b>	90 – 1000 kPa	600kPa - 1000kPa
<b>Angle of Gyration</b>	Adjustable from 0 to 1.5° internal or external	Adjustable from 0.2 to 2.2° internal or external
<b>Speed of Gyration</b>	30 ±0.5 gyrations per minute	0.1- 40 gyrations per minute
<b>Number of Gyration</b>	Adjustable from 1 to 999	Adjustable from 1 to 9999
<b>Mould Dimensions</b>	150.0 mm ID x 317.5 mm height (100 mm and 4 in. ID also available)	150.0 mm ID x 330 mm height (100 mm and 4 in. ID also available)
	50.0 mm minimum specimen height	50.0 mm minimum specimen height with spacer (provided)
	Maximum Mould Temperature 175° C	Maximum Mould Temperature 220° C
<b>Modes of Operation</b>	Compact to specified number of gyrations or specimen height	Compact to number of gyrations, specimen height or void content.
<b>Data Acquisition</b>	Gyration number Specimen height (to nearest 0.1mm), Angle of gyration, Shear value (optional)	Gyration number, Temperature of mix Specimen height (to nearest 0.1mm)+ Void content, Angle of gyration, Shear value included
<b>Data Output</b>	USB and RS-232 ports to upload to printer, computer or removable drive	USB, Intranet, Internet, RS232
<b>Unit of Measure</b>	SI units	SI or imperial
<b>Internal Data Storage</b>	Results from 20 tests stored in memory	PC/laptop, unlimited storage
<b>Standard Accessories</b>	Mould (1), gravity extruder, Standard Height Block, specimen papers, printer and printer cable, USB cable, serial cable, power cord, Magnalube and applicator brush, operator manual.	Mould, temp kit, shear kit, extruder, papers, printer and cables, lube, manual, spacer, power cord, pc.
<b>Optional Accessories</b>	Extra Moulds, Pressure Verification Kit, power transformer (for international customers)	Moulds, angle calibration kit, Dynamic Angle Verification kit
<b>Ground tyre rubber option</b>	Not available	As standard

MATEST	CONTROLS / PAVELAB	PINE
230V 1ph 50/60 Hz 1000W 12A	1000W	Various
105 H x 64 D x 50 W cm	194 H x 753 D x 502 W cm	137 H x 90 D x 87 W cm
240 Kg	100 Kg	400 Kg
tbc	tbc	tbc
10-900kPA	80-800kPA	200/1000kPA
Adjustable 0 - 2.4° Internal	Adjustable 0.7 to 1.4° internal	Adjustable 0 -1.50°
5-60 gyrations per minute	15-60 gyrations per minute	30 gyrations per minute
Adjustable 1 -5000	Adjustable 1 - 999	Adjustable 0-999
150mm x 200 mm height, 100mm diameter also available 0- 200 mm both 100 and 150mm diameter	150mm ID X 300MM height (sample height 80mm - 200mm) 100mm available	150mm ID x 250mm tall, 100mm available 150mm ID x 250mm tall, 100mm available
Maximum Mould Temperature - tbc	Maximum Mould Temperature - tbc	Maximum Mould Temperature - tbc
Gyrations, heights, density	Compact to number of gyrations or specimen heigh	Number of gyrations, height or locking point
Gyrations, heights, density.	Gyration number, specimen height	Gyrations number, Specimen height, Angle of gyration, Consolidation pressure, Option of gyratory tilting moment.
Intranet	PC, RS 232	2 x USB, network compatible
SI Units	SI Units	SI or Imperial
Unlimited memory, USB, SD card	1000s of tests	tbc
Moulds, extruder, papers, height verification blocks	Mould, extruder, papers, distance pieces, table top, change pieces	Mould, DAV, Cooling door
Angle measurement system	Change pieces 100mm to 150mm, DAV	Change pieces 100mm to 150mm, DAV
Not available	Not available	Yes, cooling door