

RotoForce-4
Instruction Manual

6. Technical Data

Subject		Specifications		
		Metric/International	US	
Disc	Rotational speed	150 rpm	150 rpm	
	Rotational direction	Bi-directional	Bi-directional	
	Motor output 50/60Hz	90/80W	0.11/0.12HP	
	Torque at disc	Continuous 50/60HZ	5.1/5.3Nm	3.8/3.9lb-ft
		Max. 50/60HZ	12.6/12.9Nm	9.3/9.5lb-ft
	Air pressure	Min. 5.0 max. 6.5 bar	Min. 73 max. 95 psi	
Specimens	Force on specimen holder	30-400 N in 10N steps	30-400 N in 10N steps	
	Force on single specimens	5-100N in 5N steps	5-100N in 5N steps	
	Lifting force upwards	max. 20N	max. 20N	
	Specimens in specimen holder	ø10-40 mm	0.4-1.6"	
	Specimens in specimen mover plate	ø25-50 mm	1-2"	
	Specimen height	8-40 mm	0.3-1.6"	
Dimensions and Weight	Width	270 mm	10.6"	
	Depth	450 mm	17.7"	
	Height	500 mm	19.7"	
	Weight	25 kg	55.1 lbs	

RotoForce-4
Instruction Manual

Subject		Specifications
Software and electronics	LC display	2x16 characters
	Controls	Touch pad
	Memory	EPROM, RAM and non-volatile RAM
	Automatic start/stop	With: Lupo
	Communication including automatic start/stop	With: RotoPol-21/22/25 Multidoser
	Data exchange	With: RotoCom
Environment	Safety Standards	General 89/392/EEC & 91/386/EEC & 93/44/EEC EN292-1, EN292-2, EN60204-1 (IEC 204-1) EMC 89/336/EEC & 92/231/EEC EN50081-1, EN50082-1 FCC part 15, subpart B
	Noise Level	Approx. 42 dB (A) at idle running, at a distance of 1.0 m/39.4" from the machine
	Surrounding temperature	5-40°C/41-104°F
	Humidity	0-95% RH non condensing
Supply Voltage	Power consumption 50/60HZ	180/165W (0.24/0.22HP)
	No. of phases	3 (3L + PE)
	Voltage / frequency:	Max. continuous load
	3 x 200 V, 50 Hz	1.35A
	3 x 220 V, 50 Hz	1.25A
	3 x 380 V, 50 Hz	0.80A
	3 x 415 V, 50 Hz	0.80A
	3 x 200 V, 60 Hz	1.40A
	3 x 220 V, 60 Hz	1.30A
	3 x 440 V, 60 Hz	0.76A
3 x 480 V, 60 Hz	0.72A	