

Product:

Twin Screw Extruder 24MC

Manufactured By:

Thermo Fisher Scientific

Barrel length	L/D	28 : 1	28 : 1	40 : 1	40 : 1
Barrel bore diameter	mm	24	24	24	24
Screw diameter	mm	23.6	23.6	23.6	23.6
Channel depth	mm	5.15	5.15	5.15	5.15
Centre-line spacing	mm	18.75	18.75	18.75	18.75
Centre-line to radius ratio		1.56	1.56	1.56	1.56
Max. screw speed	rpm	500	1000	500	1000
Power @ Max. screw speed	kW	5.5	11	5.5	11
Torque per shaft	Nm	52.5	52.5	52.5	52.5
Torque / (C-line <sup>3</sup> )	Nm/cm <sup>3</sup>	8	8	8	8
Barrel zones		7	7	10	10
Heater rating	W	24 x 375	24 x 375	36 x 375	36 x 375
Die heater rating	W	2 x 375	2 x 375	2 x 375	2 x 375
Dimensions (L x W x H)	cm	185 x 70 x 135	210 x 70 x 135	215 x 70 x 135	240 x 70 x 135
<b>Scale-up data</b>					
Internal free volume	cm <sup>3</sup>	255	255	365	365
Peripheral surface area	cm <sup>2</sup>	796	796	1138	1138
Surface area per unit free volume	m <sup>2</sup> /l	0.31	0.31	0.31	0.31
Typical output	kg/h	2 to 20	2 to 50	2 to 20	2 to 50
<b>Services</b>					
Power	V/ph/A	400V/3ph+N /50A	400V/3ph+N/63A	400V/3ph+N /50A	400V/3ph+N/63A
Cooling water @ 20°C	l/min	20	20	20	20

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Regards from the Team at Rheology Solutions.