

320 C Technical Data

Machine type		320 C 500-100	320 C 600-250
EUROMAP size ^{1) 4)}		500-100	600-250
Clamping unit			
Clamping force	max. kN	500	600
Closing force	max. kN	35	35
Opening force / increased	max. kN	25/130	25/130
Opening stroke	max. mm	350	350
Mould height	min. mm	200	200
Clamping platen daylight	max. mm	550	550
Tie bar daylight	mm	320x320	320x320
Mould clamping platens (b x h)	mm	446/446	446/446
Movable mould half / with support	max. kg	250/400	250/400
Ejector force	max. kN	30	30
Ejector stroke	max. mm	125	125
Hydraulics, drive, general			
Hydraulic pump capacity	kW	15	15
Total connected load	²⁾ kW	21,9	23,1
Colour. plastic coated structure light gray / mint green			
Control cabinet			
Safety standards according to		DIN EN 60204	DIN EN 60204
Single phase socket		1 x 10 A	1 x 10 A
Three phase socket		1 x 16 A	1 x 16 A
Injection unit			
Screw diameter	mm	20/25/30	30/35/40
Effective screw length	L/D	25/20/16,7	23,3/20/17,5
Screw stroke	max. mm	100	150
Theoretical stroke volume	max. cm ³	31/49/70	106/144/188
Injected part weight	³⁾ max. g/PS	26/41/59	89/121/158
Injection pressure	⁴⁾ max. bar	2500/2240/1550	2470/1820/1390
Injection flow	⁴⁾ max. cm ³ /s	80/126/180	112/154/202
Injection flow with accumulator	max. cm ³ /s	160/250/362	350/476/622
Back pressure positive / negative	max. bar	350/200	350/140
Screw circumferential speed	max. m/min.	42/52/63	41/57/66
Screw torque	max. Nm	240/300/350	420/440/440
Nozzle contact force	max. kN	70	70
Nozzle retraction stroke	max. mm	180	240
Cylinder heating	W	1600+3x900	1600+3x1300
Nozzle heating	W	600	600
Feed hopper capacity	l	50	50
Horizontal injection position	max. mm	120	120
Machine dimensions and weights			
Oil fill	l	160	160
Net weight	kg	2080	2330
Electrical connection (prefused)	²⁾ A	63	63

¹⁾ 1st figure: clamping force (kN)
 2nd figure: max. swept volume (cm³) x max. injection pressure (kbar)
²⁾ Values relate to 400 V/50 Hz. The load is symmetrically distributed in as much as is possible on 3 phases (Observe when extending the machine)
³⁾ calculated with fill factor = 0,8
⁴⁾ see injection performance diagram