



Type of machine	ARBURG ALLROUNDER®	700-230 305 ECC
International Size ¹⁾		700-230
<u>Clamping Unit</u>		
Clamping/locking pressure	kN	700 / 770
Mould protection force	kN	3-700
Opening stroke (adjustable)	mm	250 max.
Mould height	mm	200-400
Daylight	mm	650
Distance between tiebar ends	mm	305x135
Platen size (horiz. x vert.)	mm	432x310
Max. ejector force (hydr. ejector)	kN	30
Max. ejector stroke (hydra. force)	mm	70

Injection Unit

Screw diameter available	mm	25	30	35	40
Screw ratio Length-to-Diameter	-	28.4	23.7	20.3	17.8
Max. screw stroke	mm	150			
Max. swept volume (with 145 mm screw stroke)	cm ³	71	103	140	152
Max. shot volume ⁸⁾	cm ³	57	82	112	146
Nozzle pressure	kN	60			
Max. injection speed	cm ³ /sec.	56	80	110	144
Max. injection force	kN	159			
Max. injection pressure	bar	2500	2250	1650	1250
Max. screw peripheral velocity	m/min.	30	36	42	48
Screw torque	Nm	260	340	420	420
Nozzle retraction stroke	mm	240			
Cylinder heating and nozzle heating	W	4 x 1600 + 310 = 6710			
Hopper capacity	liters	50			



Hydraulics, Drive, General

Pumpmotor, nominal output	kW	11			
Hydraulic oil required	liters	160			
Oil reservoir for central lubrication	liters	2.7			
Dry cycle ⁹⁾	sec.	2.0			
Total load ⁵⁾	kW	18			
Machine length x width ⁴⁾	m	3.45	x	1.7	
Height with horiz./vert. injection unit ⁴⁾	m	1.95		3.26	
Machine weight (w/o oil) ⁴⁾	kg	1750			
Cooling water supply and drain	"	R 3/4			
Colour: hammertone green sim. to RAL 6011					

1) 1st figure: clamping pressure (kN)

2nd figure: swept volume (cm³) x max. injection pressure (kbar)

4) with standard equipment

5) 380 / 220 V, 3-phase, 50 Hz

6) average

8) 80 % of theoretical

9) according to Euromap