

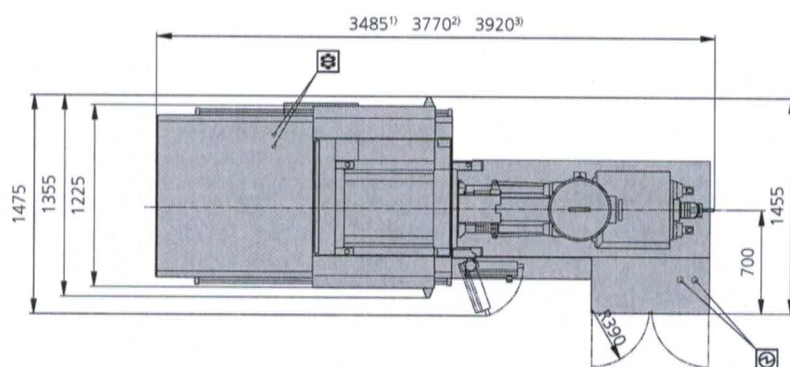
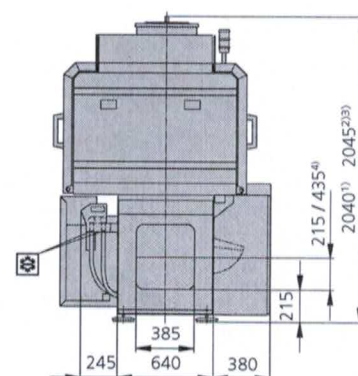
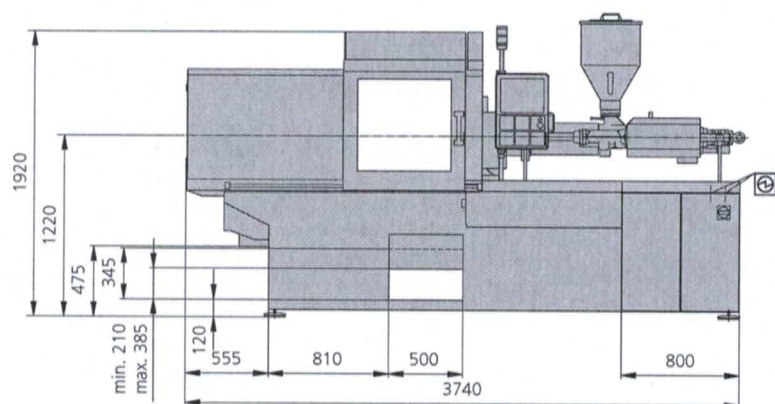
## ALLROUNDER 370 S

Distance between tie bars: 370 x 370 mm

Clamping force: 500, 600, 700 kN

Injection unit (acc. to EUROMAP): 100, 170, 290

**ARBURG**



Electrical connection



Cooling water connection

- 1) injection unit 100
- 2) injection unit 170
- 3) injection unit 290
- 4) Conveyor belt

Clamping unit			370 S		
with clamping force	max. kN		500	600	700
Opening force   stroke	max. kN   mm		160   400		
Mould height, fixed   variable	min. mm		200   ---		
Platen daylight fixed   variable	max. mm		600   ---		
Distance between tie bars (w x h)	mm		370 x 370		
Mould mounting platens (w x h)	max. mm		510 x 510		
Weight of movable mould half	max. kg		360		
Ejector force   stroke	max. kN   mm		30   125		
Dry cycle time EUROMAP <sup>2</sup>	1 pump	min. s - mm	2,1   1,9 - 259		
	2 pumps	min. s - mm	1,4 - 259		
	Accum.	min. s - mm	1,3 - 259		

Injection unit			100			170			290		
with screw diameter	mm		20	25	30	25	30	35	30	35	40
Effective screw length	L/D		25	20	16,7	24	20	17	23,3	20	17,5
Screw stroke	max. mm		100			120			150		
Calculated stroke volume	max. cm <sup>3</sup>		31	49	71	59	85	115	106	144	188
Shot weight	max. g PS		29	45	65	54	77	105	97	132	172
Material throughput	max. kg/h PS		5,5	8	9,5	10	13,5	16	17	20,5	24,5
	max. kg/h PA6.6		2,8	4	4,9	5	7	8	8,5	10,5	12,5
Injection pressure	max. bar		2500	2000	1390	2500	2000	1470	2500	2000	1530
Holding pressure	max. bar		2500	2000	1390	2500	2000	1470	2500	2000	1530
Injection flow <sup>2</sup>	1 pump	max. cm <sup>3</sup> /s	64   90	100   142	146   204	66   94	96   136	132   186	102	140	182
	2 pumps	max. cm <sup>3</sup> /s	64   90	100   142	146   204	66   94	96   136	132   186	102	140	182
	Accum.	max. cm <sup>3</sup> /s	172	268	388	216	312	424	316	430	562
Screw circumferential speed <sup>2</sup>	1 pump	max. m/min	28   39	35   49	42   59	35   49	42   59	49   69	46	54	62
	2 pumps	max. m/min	28   39	35   49	42   59	35   49	42   59	49   69	46	54	62
	Accum.	max. m/min	11	14	17	14	17	19	20	24	27
Screw torque	max. Nm		120	150	180	210	250	290	320	380	430
Nozzle contact force   retraction stroke	max. kN   mm		50   180			50   210			60   240		
Heating capacity   zones	kW		4,9   5			9,4   5			6,4   5		
Feed hopper	l		50			50			50		

Drive and connection			1 pump			2 pumps			Accum.		
with injection unit			100	170	290	100	170	290	100	170	290
Net weight of machine	kg		3200	3250	3300	3200	3250	3300	---		
Emiss. sound press. level DIN EN 201:1997	dB(A)		67 +3			67 +3			67 +3		
Oil filling	l		135			135			135		
Drive power <sup>2</sup>	max. kW		15			15			15		
Electrical connection <sup>3</sup>		kW	22	27	24	22	27	23	22	27	23
	Total	A	63	80	80	63	80	80	63	80	80
	Machine	A	---			---			---		
	Heating	A	---			---			---		
Cooling water connection	max. °C		25			25			30		
	min. Δp bar		1,5   DN 25			1,5   DN 25			1,5   DN 25		

Machine type	
with EUROMAP size designation <sup>1</sup>	Drive
370 S 500-100   170	1   2   Accum.
370 S 600-100   170   290	1   2   Accum.
370 S 700-100   170   290	-   2   Accum.

## Upon request: other machine types and mould installation heights, screws, drive powers etc.

All specifications relate to the basic machine version. Deviations are possible depending on variants, process settings and material type. Depending on the drive, certain combinations, e.g. max. injection pressure and max. injection flow may be mutually exclusive.

1) Clamping force (kN) - large injection unit = max. stroke volume (cm<sup>3</sup>) x max. injection pressure (kbar).

2) Specifications depend on drive configuration – the first value applies to lower clamping forces.

3) Specifications relate to 400 V/50 Hz.

[ ] Specifications apply to alternative equipment.