

Modular stretch blow molding machine programme – Technical specifications for BLOMAX Series III machines

with standard stations (up to 1,630 bottles/station/h)

Identical platforms sorted by colors	BLOMAX 4	BLOMAX 6	BLOMAX 8	BLOMAX 10	BLOMAX 12	BLOMAX 14	BLOMAX 16	BLOMAX 18	BLOMAX 20
Prod. capacity, up to (bottle/h)	6,520 ¹⁾	9,780 ¹⁾	13,040 ¹⁾	16,300 ¹⁾	19,560 ¹⁾	22,820 ¹⁾	26,080 ¹⁾	29,340 ¹⁾	32,600 ¹⁾
bottle volume (l)	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾	0.2 - 3.3 ²⁾
Max. bottle diameter (mm)	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾
Max. bottle height (mm)	350	350	350	350	350	350	350	350	350
Floor space (A x B) (m)	7.9 x 7.1	7.9 x 7.1	7.9 x 7.1	9.2 x 8.1	9.2 x 8.1	10.2 x 9.8	10.2 x 9.8	11.5 x 11.2	11.5 x 11.2
Machine height (m)	3.0	3.0	3.0	3.4	3.4	3.4	3.4	3.4	3.4
Preform infeed system height (m)	3.9	3.9	3.9	3.9	3.9	4.2	4.2	4.2	4.2
Basic machine weight(kg)	12,500	13,000	13,500	16,500	17,000	24,000	24,500	28,400	28,900
Installed electrical load, standard (kVA)	82	120	139	177	196	217	255	255	293
Typ. electrical consumption, 1.5 l bottle (kW), 30g	45	62	73	89	100	116	132	141	164
Blowing air, 35 bar, 1.5 l bottle (Nm ³ /h)	375	562	749	936	1,124	1,311	1,498	1,685	1,872
Typical cooling requirement, 1.5 l bottle (kW), 30g	14	22	27	35	41	46	54	57	66
Preform hopper size/operating time (m ³ /min)	1.5/190	1.5/128	1.5/96	3.0/80	3.0/66	3.0/57	3.0/50	3.0/44	3.0/40
Recommended in-line buffer length, diameter 90 mm (m)	44	62	79	105	120	138	158	174	189
Number of transport mandrels (piece)	116	118	142	206	208	232	276	282	284
Bottles after preform input stop (piece)	124	126	150	217	219	249	293	299	301
Number of standardized installed heater boxes	3	5	6	8	9	10	12	12	14
Max. diameter support ring (mm) ⁴⁾	36	36	36	36	36	36	36	36	36
Hotfill									
Max. production output 0.5 l, HR in-line filling at 88 °C (btl/h) ⁵⁾	5,600	8,400	11,200	14,000	16,800	19,600	22,400	25,200	28,000
Max. production output 0.5 l, HR off-line filling at 88 °C (btl/h) ⁵⁾	4,400	6,600	8,800	11,000	14,000	14,000	16,000	18,000	20,000
Preferential heating									
Output without neck orientation up to (btl./h) ⁵⁾	5,600	8,400	11,200	14,000	16,800				
Output with neck orientation (btl./h) ⁶⁾	4,800	7,200	9,600	12,000	14,400				

¹⁾ 1.5 l bottle, depending on preform and bottle design

²⁾ depending on bottle geometry

³⁾ on request

⁴⁾ larger diameters on request

⁵⁾ depending on preform and bottle design

⁶⁾ higher output possible depending on bottle specification



Modular stretch blow molding machine programme – Technical specifications for BLOMAX Series III machines

with compact stations (up to 1,800 bottles/station/h)

Identical platforms sorted by colors	BLOMAX 4	BLOMAX 6	BLOMAX 8	BLOMAX 10	BLOMAX 12	BLOMAX 14	BLOMAX 16	BLOMAX 18	BLOMAX 20	BLOMAX 24
Prod. capacity, up to (bottle/h)	7,200 ¹⁾	10,800 ¹⁾	14,400 ¹⁾	18,000 ¹⁾	21,600 ¹⁾	25,200 ¹⁾	28,800 ¹⁾	32,400 ¹⁾	36,000 ¹⁾	43,200 ¹⁾
bottle volume (l)	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾	0.12 ²⁾ - 2.5 ²⁾
Max. bottle diameter (mm)	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾	115/126 ³⁾
Max. bottle height (mm)	350	350	350	350	350	350	350	350	350	350
Floor space (A x B) (m)	7.9 x 7.3 ⁵⁾	8.3 x 7.6 ⁵⁾	8.3 x 7.6 ⁵⁾	9.9 x 7.9 ⁵⁾	10.1 x 8.4 ⁵⁾	10.2 x 9.3 ⁵⁾	11.7 x 10.8 ⁵⁾	11.7 x 10.8 ⁵⁾	12.8 x 12.4 ⁵⁾	12.8 x 12.4 ⁵⁾
Machine height (m)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Preform infeed system height (m)	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.7	4.7
Basic machine weight (kg)	13,000	13,500	15,500	16,000	18,500	19,000	25,500	26,000	34,280	34,780
Installed electrical load, standard (kVA)	101	120	158	196	215	253	298	317	355	412
Typ. electrical consumption, 1.5 l bottle (kW), 30g	52	63	80	97	109	130	147	162	187	217
Blowing air, 35 bar, 1.5 l bottle (Nm ³ /h)	412	617	822	1,027	1,234	1,439	1,644	1,850	2,056	2,466
Typical cooling requirement, 1.5 l bottle (kW), 30g	17	23	31	39	45	54	62	68	76	90
Preform hopper size/operating time (m ³ /min)	1.5/87	1.5/58	1.5/44	3.0/70	3.0/58	3.0/50	3.0/44	3.0/39	3.0/35	3.0/29
Recommended in-line buffer length, diameter 90 mm (m)	50	66	92	108	133	149	171	188	227	260
Number of transport mandrels (piece)	116	118	168	170	226	228	278	280	384	386
Bottles after preform input stop (piece)	124	126	183	185	243	245	295	297	404	406
Number of standardized installed heater boxes	4	5	7	9	10	12	14	15	17	20
Max. diameter support ring (mm) ⁴⁾	36	36	36	36	36	36	36	36	36	36

¹⁾ 1,5 l bottle, depending on preform and bottle design ²⁾ depending on bottle geometry ³⁾ on request ⁴⁾ larger diameters on request ⁵⁾ with preform infeed system and boxtipper

with CL stations (up to 1,400 bottles/station/h)

Identical platforms sorted by colors	BLOMAX 4	BLOMAX 6	BLOMAX 8
Prod. capacity, up to (bottle/h)	5,600	8,400	11,200
bottle volume (l)	6.0 ¹⁾	6.0 ¹⁾	6.0 ¹⁾
Max. bottle diameter (mm)	180 ²⁾ /170 ³⁾	180 ²⁾ /170 ³⁾	180 ²⁾ /170 ³⁾
Max. bottle height (mm)	370	370	370

¹⁾ depending on bottle geometry

²⁾ quadrate

³⁾ round

