

Technical Table

Direct Extrusion Type Blow Moulding Machine											
Blow Moulding Machine		250 ml		500 ml		1000 ml		2000 ml		5000 ml	
Extruder		SS	DS	SS	DS	SS	DS	SS	DS	SS	DS
Screw Diameter	mm	25	35	35	45	45	50	50	65	65	75
Effective Screw Length	L/D	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Drive Power	Kw	2.2	3.75	3.75	5.5	5.5	7.5	7.5	11	11	15
Plasticizing Capacity	Kg/hr	8	12	12	25	25	33	33	65	65	80
Heating Cylinder Barrel	Kw	2.3	5.25	4.25	5.75	5.75	8.5	8.5	10.5	10.5	14.5
Blow Moulding Unit											
Clamping Force	Ton/Opt	-	-	2.5/5	2.5/5	2.5/5	2.5/5	4.5/7.5	4.5/7.5	11/15	11/15
Mould Dimensions											
Mould Height	mm	200	200	230	230	300	300	350	350	400	400
Mould Width	mm	150	150	175	175	250	250	300	300	375	375
Mould Thickness (Min - Max)	mm	100-125	100-125	145-165	145-165	210-230	210-230	210-250	210-250	250-320	250-320
Mould Opening Stroke	mm	2x50	2x50	2x75	2x75	2x100	2x100	2x135	2x135	2x150	2x150
Mould Movement Stroke	mm	150	200	250	300	275	400	300	450	375	500
Main Hydraulic											
Pump Drive	Kw	3.75	3.75	3.75	3.75	3.75	5.5	3.75	5.5	5.5	7.5
Programming Hydraulic (Optional)											
Programming Tank Capacity	Ltrs	50	50	50	50	50	50	50	50	50	50
Pump Drive For Axial Programming	Kw	2.5	2.5	2.5	2.5	3.75	3.75	3.75	3.75	3.75	3.75
Extrusion Heads											
Heating Capacity	Kw	1	2.5	2.5	3	4	4	4	4	6.1	6.1
Approx. Utilities											
Air Pressure / Requirement	Bars/Cfm	3-6/20	3-6/20	3-6/20	3-6/20	3-6/17	3-6/15	3-6/17	3-6/15	3-6/20	3-6/40
Approx. Electrical Requirements											
Drives, Incl. Cooling Fans Approx	Max.Kw	2.2	3.75	3.75	5.5	5.5	7.5	7.5	11	11	15
Heaters Incl. Extruder Flanger Approx.	Max.Kw	3.5	8	6	9	10	13	13	15	17	21
Total Connected Load	Kw	5.7	12	9.75	14.5	15.5	20.5	20.5	26	28	36
Average Power Consumption Approx.	Kw/hr	4	8.7	6.7	12.5	13.5	14.5	15	20	18	22

Accumulator Type Blow Moulding Machine											
Blow Moulding Machine		20 Ltr		30 Ltr		50 Ltr		100 Ltr		200 Ltr	
Extruder		SS	DS	SS	DS	SS	DS	SS	DS	SS	
Screw Diameter	mm	75	65	75	75	90	90	120	120	120	
Effective Screw Length	L/D	20:1	24:1	20:1	24:1	20:1	24:1	20:1	24:1	30:1	
Drive Power	Kw	15	22.5	15	37.5	22.5	45	37.5	75	110	
Plasticizing Capacity	Kg/hr	80	110	80	140	110	180	160	280	350	
Heating Cylinder Barrel	Kw	15	12.5	15	18	22	25.7	35	40	52	
Blow Moulding Unit											
Clamping Force	Ton	12	10	20	12	26	20	35	26	65	
Mould Dimensions											
Mould Height	mm	530	530	610	610	660	660	915	815	1500	
Mould Width	mm	560	530	610	610	660	660	815	915	1050	
Mould Thickness (Min - Max)	mm	285-425	285-425	350-450	350-450	380-650	380-650	480-750	480-750	650-850	
Mould Opening Stroke	mm	2x275	2x275	2x290	2x300	2x400	2x400	2x500	2x500	2x525	
Main Hydraulic											
Accumulator Head Operating Pressure	Bars	100	100	100	100	100	100	100	100	100	
Pump Drive	Kw	7.5	7.5	15/3.75	15/3.75	22.5/3.75	22.5/3.75	30/3.75	30/3.75	37.5	
Programming Hydraulic (Optional)											
Programming Tank Capacity	Ltrs	75	75	75	75	75	75	75	75	200	
Pump Drive For Axial Programming	Kw	3.75	3.75	3.75	3.75	3.75	3.75	5.5	5.5	7.5	
FIFO Accumulator Heads											
Accumulator Head Capacity	Kg	1.2	1.2	3.5	3.5	5	5	8	8	16	
Approx. Utilities											
Air Pressure	Bars	3-6	5-7	3-6	5-7	3-6	5-7	3-6	5-7	3-6	
Approx. Electrical Requirements											
Drives, Incl. Cooling Fans Approx	Max.Kw	24.5	32	36.00	58	51.00	74	74.00	111	168	
Heaters Incl. Extruder Flanger Approx.	Max.Kw	28.2	27	35.00	38	44.00	48	64.00	69	96	
Total Connected Load	Kw	52.7	59	71	96	95	122	138	180	264	
Average Power Consumption Approx.	Kw/hr	43	48	61	77	82	98	105	145	210	

Disclaimer: Technical Details Subject to Change Without Notice.