

EL-EXIS SP Ultra-High-Speed Hybrid Series

Detailed Specifications
METRIC UNITS



Technical Data El-Exis SP 150/500

Sumitomo (SHI) Demag

Model description	
International size description	
Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection / Retraction force	[kN]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3	[mm]
Max. nozzle dipping depth (WA650)	[mm]
Nozzle sealing force	[kN]
Number of heating zones	
General data	
Oil tank capacity 4)	[ltr.]
Installed electrical rating	
> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 6)	[~kW]
> Heating capacity of screw cylinder	6)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 7)	[s-mm]

	EI-Exis SP 150/500	
El-Exis SP 150/500-475	El-Exis SP 150/500-675	El-Exis SP 150/500-920
1500-475	1500-675	1500-920
	150/500	
	1500/1650	
	500	
	250	
	560/660	
	1060/1160	
	750x750	
	500x500	
	300	
	2200 ¹⁾ /1550/1150	
	100	
	65/32	

475		6	75	9:	20
35	40	40	45	45	50
special 2)					
25	25	25	25	25	25
2423	2051	2418	2180	2426	2150
177	231	255	323	358	442
129*	169*	186*	236*	261*	323*
962	1257	1257	1590	1590	1963
34*	51*	45*	60*	54*	71*
1:	84	2	03	225	
740/540	590/540	770/620	570/540	925/640	725/625
20		20		20	
110		110		110	
6	6	6	6	6	6

150/50	150/500-475 150/500		150/500-675 150/500-9		00-920
		4	00	-	
		1	8,5		
26,4		3	5,8	54	1,0
22		22		22	
13,6	14,6	14,6	16,4	16,4	23,0
80,5	81,5	90,9	92,7	110,9	117,5
		1,0	-350		
		1,15	5-350		
76	665	78	323	82	243
5,96x1,66x2,17		6,16x1,66x2,17		6,51x1,66x2,17	
179/853	322/853	323/1034	525/1034	613/1442	808/1442

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Dry cycles with unlocking time

Transport dimensions (I x w x h)

Electric drive projection max. (h)

Net weight (without oil) 8)

[s-mm]

[~kg]

[~m]

[mm]

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

Increased mould weights for stack moulds on demand
 Shear and mixing unit

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles 4) First filling / operating

⁵⁾ WA109
6) Parallel movement of all axis possible

⁷⁾ Standard/twin pump (WA109)
8) The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 200/560

Sumitomo (SHI) Demag
Model description
International size description

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection / Retraction force	[kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3)	[mm]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. nozzle dipping depth (WA650)	[mm]
No. 1 P C	[LAI]
Nozzle sealing force	[kN]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinder	⁷⁾ [~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

	EI-Exis SP 200/560				
El-Exis SP 200/560-675	EI-Exis SP 200/560-920	El-Exis SP 200/560-920 El-Exis SP 200/560-1600			
2000-675	2000-920	2000-1600			
	200/560				
	2000/2200				
	575				
	310				
	660/760				
	1235/1335				
	830x830				
	560x560				
	350				
	3300 1)/1800/2500				
	140				
	65/32				

675		920		1600	
40	45	45	50	50	60
special 2)					
25	25	25	25	25	25
2418	2180	2426	2150	2426	2106
255	323	358	442	530	763
186*	236*	261*	323*	387*	557*
1257	1590	1590	1963	1963	2827
45*	60*	54*	71*	60*	100*
2	03	225		270	
625/460	425/325	725/440	525/425	985/465	660/440
730/565	530/430	830/545	630/530	1090/570	765/545
20		20		20	
110		110		110	
6	6	6	6	6	6

200/560-675		200/560-920		200/56	0-1600
		4	00		
10) F		20		10
18,5 35,8		30 54,0		30 58	
32,4		32,4		32	
14,6	16,4	16,4	23,0	23,0 2	
101,3	103,1	132,8	139,4	143,0	148,6
		1,15	5-392		
		1,30)-392		
97	'13	10	185	10	427
6,61x1,76x2,28		6,92x1,76x2,28		7,55x1,76x2,28	
123/850	325/850	413/1255	608/1255	922/2007	1252/2007

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

Increased mould weights for stack moulds on demand
 Shear and mixing unit

A) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles (Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles 5) First filling / operating (ONLO).

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 250/630

Sumitomo (SHI) Demag
Model description
International size description

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Min. permissible mould diameter (k)	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection stroke AWH forced (optional)	[mm]
Ejection / Retraction force	[kN]
Ejection/retraction force AWH forced (op	t.) [kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3)	[]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. nozzle dipping depth (WA650)	[mm]
Nozzle sealing force	[kN]
Hopper capacity, optional	[ltr.]
Number of heating zones	

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinde	er 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

	EI-Exis SP 250/630	
EI-Exis SP 250/630-920	EI-Exis SP 250/630-1600	EI-Exis SP 250/630-2500
2500-920	2500-1600	2500-2500
	250/630	
	2500/2750	
	670	
	330	
	710/830	
	1380/1500	
	400	
	950x950	
	630x630	
	4300 1)/2305/3300	
	140	
	140	
	81/40	

165/59

9:	20	16	600	25	00
45	50	50	60	60	70
special 2)					
25	25	25	25	25	25
2426	2150	2426	2106	2420	2074
358	442	530	763	891	1212
261*	323*	387*	557*	650*	885*
1590	1963	1963	2827	2827	3848
54*	71*	60*	100*	88*	126*
2	225		270		15
815/530	615/515	965/555	640/530	1065/530	710/515
920/635	720/620	1070/660	745/635	1170/635	815/620
2	20	2	20	2	0
1	110		110		10
7	70		110		10
6	6	6	6	6	6

250/6	250/630-920		250/630-1600		250/630-2500	
		5	50			
3	30	3	30	4	45	
5	54		57,9		71	
2	17	4	17	4	47	
16,4	23,0	23,0	28,6	28,6	32,9	
147,4	154,0	157,9	163,5	193,1	197,4	
		1,2	-441			
		1,35	5-441			
14	117	14	149	15	062	
7,18x1,	,92x2,41	7,75x1	,92x2,41	8,13x1	,92x2,41	
165/975	360/975	552/1617	882/1617	941/2105	1295/2105	

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Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

¹⁾ Increased mould weights for stack moulds on demand

²⁾ Shear and mixing unit

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 300/720

Sumitomo (SHI) Demag
Model description
International size description

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection / Retraction force	[kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3)	[]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. dist. nozz. retr./auto mode ZE3 Max. nozzle dipping depth (WA650)	72[mm] [mm]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinde	r 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

	EI-Exis SP 300/720			
El-Exis SP 300/720-920	EI-Exis SP 300/720-1600 EI-Exis SP 30			
3000-920	3000-1600 3000-2500			
	300/720			
	3000/3300			
	730			
	320			
	715/920			
	1445/1650			
	1040x1060			
	720x720			
	400			
	4700 1)/2300/3600			
	150			
	81/40			

9	20	16	600	25	00
45	50	50	60	60	70
special 2)					
25	25	25	25	25	25
2426	2150	2426	2106	2420	2074
358	442	530	763	891	1212
261*	323*	387*	557*	650*	885*
1590	1963	1963	2827	2827	3848
54*	71*	60*	100*	88*	126*
225		270		315	
780/565	580/530	940/545	615/520	1100/565	745/550
885/670	685/635	1045/650	720/625	1205/670	850/655
2	20	2	20 20		0
110		110		110	
6	6	6	6	6	6

300/72	20-920	300/72	20-1600	300/720-2	
		5	50		
30		30		45	
54,0		57,9		7	71
47		47		47	
16,4	23,0	23,0	28,6	28,6	32,9
147,4	154,0	157,9	163,5	193,1	197,4
		1,35	5-504		
		1,55	5-504		
16275		16832		17430	
7,55x2,01x2,57		8,12x2,01x2,57		8,50x2,01x2,57	
165/940	360/940	552/1592	882/1592	941/2141	1295/2141

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

Increased mould weights for stack moulds on demand
 Shear and mixing unit

A) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles (Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles 5) First filling / operating (ONLO).

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 350/820-1600...350/820-2500

Sumitomo (SHI) Demag		
Model description		
International size description		

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection stroke AWH forced (optional)	[mm]
Ejection / Retraction force	[kN]
Ejection/retraction force AWH forced (op	t.) [kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3) [mm]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. nozzle dipping depth (WA650)	[mm]
Nozzle sealing force	[kN]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinder	er 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 350/820				
EI-Exis SP 350/820-1600	El-Exis SP 350/820-2500			
3500-1600	3500-2500			
350/820				

3500-1600	3500-2500				
350/820					
3500	/3850				
	70				
39	50				
795/	1020				
1565/1790					
1200	x1200				
820	x820				
42	20				
6600 1)/3	3240/5100				
180					
180					
106/46					
238/132					

160	00	25	00
50	60	60	70
special 2)	special 2)	special 2)	special 2)
25	25	25	25
2426	2106	2420	2074
530	763	891	1212
387*	557*	650*	885*
1963	2827	2827	3848
60*	100*	88*	126*
27	70	31	15
1000/650	675/625	1105/625	750/610
1105/755	780/730	1210/730	855/715
20	0	2	0
11	0	11	10
6	6	6	6

350/82	0-1600	350/82	20-2500
	760		
3	0	4	45
5	7,9	•	71
4	7	4	47
23,0	28,6	28,6	32,9
157,9	163,5	193,1	197,4
	1,45-57	4	
	1,65-57	4	
22	722	23	111
8,46x2,	21x2,78	8,90x2	,21x2,78
0/844	138/844	197/1401	551/1401

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

- 1) Increased mould weights for stack moulds on demand
- 2) Shear and mixing unit
- 3) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
 4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles
- 5) First filling / operating 6) WA109
- 7) Parallel movement of all axis possible 8) Standard/twin pump (WA109)
- 9) The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 350/820-3000

Sumitomo (SHI) Demag		EI-Exis SP	350/820
Model description		El-Exis SP 35	50/820-3000
International size description		3500-3	3000
Clamping unit		350/8	320
Clamping Force / Locking Force	[kN]	3500/3	3850
Max. mould opening stroke	[mm]	770	0
Mould height Min./WA211	[mm]	350	0
Max./enlarged mould height	[mm]	795/1	020
Daylight between platens max./enl.	[mm]	1565/1	1790
Mould platen (h x v)	[mm]	1200x	1200
Distance between tie bars (h x v)	[mm]	820x8	820
Min. permissible mould diameter (k)	[mm]	420	0
Max mould weight / mov./ fixed	[kg]	6600 ¹//32	240/5100
Ejection stroke std./enlarged	[mm]	180	0
Ejection stroke AWH forced (optional)	[mm]	180	0
Ejection / Retraction force	[kN]	106/	46
Ejection/retraction force AWH forced (o	pt.) [kN]	238/1	132
Injection unit		300	00
Screw diameter	[mm]	70	80
Screw geometry		special ²⁾	special ²⁾
L/D ratio		23	24
Spec. injection pressure (up to 400°C)	[bar]	2432	2051
Cylinder head volume, max.	[cm³]	924	1206
Max. shot weight (PS, PE*)	[g]	674*	881*
Max. rate of injection			
> With accumulator	[cm³/s]	3848	4524
Plasticising rate (PS, PE*)	[g/s]	108*	150*
Max. screw stroke	[mm]	240	0
Max. dist. nozz. retract./auto mode 3	F1	705/595	618/572
Max. dist. nozz. retr./auto mode ZE3	72[mm]	570/460	483/437
Max. nozzle dipping depth (WA650)	[mm]	20	
Nozzle sealing force	[kN]	110	0
Number of heating zones		7	
General data		350/820	-3000
Oil tank capacity 5)	[ltr.]	760	0
Installed electrical rating			
> Pump ⁶⁾	[~kW]	55	5
> Electric screw drive (WA313)	[~kW]	96,	9
> Capacity clamp unit 7)	[~kW]	47	,
> Heating capacity of screw cylinder	⁷⁾ [~kW]	31,3	43,3
> Total capacity	[~kW]	230,2	242,2
Dry cycle time (Euromap 6) 8)	[s-mm]	1,45-	574
Dry cycles with unlocking time	[s-mm]	1,65-	574
Net weight (without oil) 9)	[~kg]	18386/9450	0/27836 10)
Transport dimensions (I x w x h)	[~m]	4,60/5,21 ¹¹⁾ x2,2	27/2,78 ¹¹⁾ x2,78
Electric drive projection max. (h)	[mm]	0/577	279/897

All data and information in this prospect have been complied with great care. However, we are unable to guarantee its correctness. Furthermore we indicate that individual illustrations and information may deviate from the actual delivery condition of the

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

- 1) Increased mould weights for stack moulds on demand
- 2) Shear and mixing unit
- 3) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
 4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles
- 5) First filling / operating 6) WA109
- 7) Parallel movement of all axis possible 8) Standard/twin pump (WA109)
- 9) The net weight of the machine may vary depending on equipment 10) CU/IU/total
- 11) CU/IU

Technical Data El-Exis SP 350/820-4200...350/820-6300

Sumitomo (SHI) Demag		
Model description		
International size description		

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection stroke AWH forced (optional)	[mm]
Ejection / Retraction force	[kN]
Ejection/retraction force AWH forced (op	t.) [kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[9]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3	[]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. dist. nozz. retr./auto mode ZE3 Max. nozzle dipping depth (WA650)	72[mm] [mm]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinde	r 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 350/820		
El-Exis SP 350/820-4200	El-Exis SP 350/820-6300	
3500-4200	3500-6300	
350/820		
3500/3850		
770		
350		

770
350
795/1020
1565/1790
1200x1200
820x820
420
6600 ¹¹//3240/5100
180
180
106/46
238/132

42	00	63	00
80	95	95	110
special ²⁾	special 2)	special 2)	special 2)
24	24	24	24
2391	2094	2434	2006
1433	2020	2339	3136
1046*	1475*	1708*	2289*
4524	5671	5671	6652
125*	200*	173*	229*
28	35	33	30
745/572	617/561	825/561	618/546
880/707	752/696	960/696	753/681
2	0	2	0
1.	10	11	10
7	7	7	8

350/820	-4200	350/82	20-6300
760			
55		5	55
90,0	90,0		5,0
47		47	
43,3	60,0	60,0	79,8
235,3	252,0	277,0	296,8
1,45-574			
	1,65	-574	
18386/1102	5/29411 ¹⁰⁾	18386/12	600/30986 10)
4,60/5,57 ¹¹⁾ x2,2	7/2,29 ¹¹⁾ x2,78	4,60/6,35 ¹¹⁾ x2,	,27/2,29 ¹¹⁾ x2,78
0/295	53/670	0/207	31/647

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 420/820-1600...420/820-2500

Sumitomo (SHI) Demag
Model description
International size description

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection stroke AWH forced (optional)	[mm]
Ejection / Retraction force	[kN]
Ejection/retraction force AWH forced (opt.) [kN]	
Injection unit	

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3)	[]
Max. dist. nozz. retract./auto mode ³⁾ Max. dist. nozz. retr./auto mode ZE3	[]
	[]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. dist. nozz. retr./auto mode ZE3 Max. nozzle dipping depth (WA650)	72[mm] [mm]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinder	er 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 420/820		
EI-Exis SP 420/820-1600	El-Exis SP 420/820-2500	
4200-1600	4200-2500	
420/920		

4200-1600	4200-2500	
420	/820	
4200/4620		
	70	
350		
795/1020		
1565/1790		
1200x1200		
820x820		
420		
6600 ¹1/3240/5100		
180		
180		
106/46		
238/132		

16	600	25	00	
50	60	60	70	
special 2)	special 2)	special 2)	special 2)	
25	25	25	25	
2426	2106	2420	2074	
530	763	891	1212	
387*	557*	650*	885*	
1963	2827	2827	3848	
60*	100*	88*	126*	
2	270		15	
1000/650	675/625	1105/625	750/610	
1105/755	780/730	1210/730	855/715	
	20		20	
1	110		10	
6	6	6	6	

420/82	0-1600	420/82	20-2500	
	76	60		
3	30		45	
57	,9	71		
4	47		47	
23,0	28,6	28,6	32,9	
157,9	163,5	193,1	197,4	
	1,50			
	1,70	-574		
227	22722		23111	
8,46x2,	8,46x2,21x2,78		,21x2,78	
0/844	138/844	197/1401	551/1401	

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment

Technical Data El-Exis SP 420/820-3000

Compiter of (CIII) Demon		515	-d- OD 400/000	
Sumitomo (SHI) Demag		EI-Exis SP 420/820		
Model description		El-Exis SP 420/820-3000 4200-3000		
International size description				
Clamping unit			420/820	
Clamping Force / Locking Force	[kN]		4200/4620	
Max. mould opening stroke	[mm]		770	
Mould height Min./WA211	[mm]		350	
Max./enlarged mould height	[mm]		795/1020	
Daylight between platens max./enl.	[mm]		1565/1790	
Mould platen (h x v)	[mm]		1200x1200	
Distance between tie bars (h x v)	[mm]		820x820	
Min. permissible mould diameter (k)	[mm]		420	
Max mould weight / mov./ fixed	[kg]	66	600 1)/3240/5100	
Ejection stroke std./enlarged	[mm]		180	
Ejection stroke AWH forced (optional)	[mm]		180	
Ejection / Retraction force	[kN]		106/46	
Ejection/retraction force AWH forced (o	ot.) [kN]		238/132	
Injection unit			3000	
Screw diameter	[mm]	70	80	
Screw geometry		special ²⁾	special ²⁾	
L/D ratio		23	24	
Spec. injection pressure (up to 400°C)	[bar]	2423	2051	
Cylinder head volume, max.	[cm³]	924	1206	
Max. shot weight (PS, PE*)	[g]	674*	881*	
Max. rate of injection				
> With accumulator	[cm³/s]	3848	4524	
Plasticising rate (PS, PE*)	[g/s]	108*	150*	
Max. screw stroke	[mm]		240	
Max. dist. nozz. retract./auto mode 3)	F	705/595	618/572	
Max. dist. nozz. retr./auto mode ZE3	72[mm]	570/460	483/437	
Max. nozzle dipping depth (WA650)	[mm]		20	
Nozzle sealing force	[kN]		110	
Number of heating zones		7	7	
General data		4	420/820-3000	
Oil tank capacity 5)	[ltr.]		760	
Installed electrical rating				
> Pump ⁶⁾	[~kW]		55	
> Electric screw drive (WA313)	[~kW]		96,9	
> Capacity clamp unit 7)	[~kW]		47	
> Heating capacity of screw cylinder	⁷⁾ [~kW]	31,3	43,3	
> Total capacity	[~kW]	230,1	242,1	
Dry cycle time (Euromap 6) 8)	[s-mm]		1,50-574	
Dry cycles with unlocking time	[s-mm]		1,70-574	
Net weight (without oil) 9)	[~kg]	1837	86/9450/27836 10)	
Transport dimensions (I x w x h)	[~m]	4,60/5,21 ¹¹⁾ x2,27/2,78 ¹¹⁾ x2,78		
Electric drive projection max. (h)	[mm]	0/577 279/897		

¹⁾ Increased mould weights for stack moulds on demand
2) Shear and mixing unit
3) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles
5) First filling / operating
6) WA109
7) Parallel movement of all axis possible
8) Standard/twin pump (WA109)
9) The net weight of the machine may vary depending on equipment
10) CU/IU/total
11) CU/IU

Technical Data El-Exis SP 420/820-4200...420/820-6300

Sumitomo (SHI) Demag		
Model description		
International size description		

Clamping unit		
Clamping Force / Locking Force	[kN]	
Max. mould opening stroke	[mm]	
Mould height Min./WA211	[mm]	
Max./enlarged mould height	[mm]	
Daylight between platens max./enl.	[mm]	
Mould platen (h x v)	[mm]	
Distance between tie bars (h x v)	[mm]	
Min. permissible mould diameter (k)	[mm]	
Max mould weight / mov./ fixed	[kg]	
Ejection stroke std./enlarged	[mm]	
Ejection stroke AWH forced (optional)	[mm]	
Ejection / Retraction force	[kN]	
Ejection/retraction force AWH forced (opt.) [kN]		

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[om3/o1
Trici accamatator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
	• •
Plasticising rate (PS, PE*)	[g/s] [mm]
Plasticising rate (PS, PE*) Max. screw stroke	[g/s] [mm]
Plasticising rate (PS, PE*) Max. screw stroke Max. dist. nozz. retract./auto mode 3	[g/s] [mm]
Plasticising rate (PS, PE*) Max. screw stroke Max. dist. nozz. retract./auto mode ³ Max. dist. nozz. retr./auto mode ZE3	[g/s] [mm] [mm] 72[mm]
Plasticising rate (PS, PE*) Max. screw stroke Max. dist. nozz. retract./auto mode ³ Max. dist. nozz. retr./auto mode ZE3 Max. nozzle dipping depth (WA650)	[g/s] [mm] [mm] 72[mm] [mm]

General data		
Oil tank capacity 5) [It		
Installed electrical rating		
> Pump ⁶⁾	[~kW]	
> Electric screw drive (WA313)	[~kW]	
> Capacity clamp unit 7)	[~kW]	
> Heating capacity of screw cylinder	er 7)[~kW]	
> Total capacity	[~kW]	
Dry cycle time (Euromap 6) 8)	[s-mm]	
Dry cycles with unlocking time	[s-mm]	
Net weight (without oil) 9)	[~kg]	
Transport dimensions (I x w x h)	[~m]	
Electric drive projection max. (h)	[mm]	

EI-Exis SP 420/820			
EI-Exis SP 420/820-4200	El-Exis SP 420/820-6300		
4200-4200	4200-6300		
400,000			

4200-4200	4200-6300				
420/820					
4200/4620					
770					
350					
795/1020					
1565/1790					
1200	1200x1200				
820x820					
420					
6600 1)/3240/5100					
180					
180					
106	5/46				
238/132					

4:	200	63	300	
80	95	95	110	
special 2)	special 2)	special 2)	special 2)	
24	24	24	23	
2391	2094	2434	2006	
1433	2020	2339	3136	
1046*	1475*	1708*	2289*	
4524	5671	5671	6652	
125*	200*	173*	229*	
2	285		30	
745/572	617/561	825/561	618/546	
880/707	752/696	960/696	753/681	
	20		20	
1	110		10	
7	7	7	8	

420/820	-4200	420/82	20-6300	
	76	60		
55	55		55	
90	90		115,0	
47	,	47		
43,3	60,0	60,0	79,8	
235,3	235,3 252,0		296,8	
	1,50			
	1,70	-574		
18386/1102	18386/11025/29411 ¹⁰⁾		18386/12600/30986 ¹⁰⁾	
4,60/5,57 ¹¹⁾ x2,2	4,60/5,57 ¹¹⁾ x2,27/2,78 ¹¹⁾ x2,78		2,27/2,78 ¹¹⁾ x2,78	
0/295	0/295 53/670		31/647	

¹⁾ Increased mould weights for stack moulds on demand
2) Shear and mixing unit
3) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles
5) First filling / operating
6) WA109
7) Parallel movement of all axis possible
8) Standard/twin pump (WA109)
9) The net weight of the machine may vary depending on equipment
10) CU/IU/total
11) CU/IU

Technical Data El-Exis SP 450/920-2500

Sumitomo (SHI) Demag		El-Exis SP 450/920		
Model description		EI-Exis SP 450/920-2500		
International size description			4500-2500	
Clamping unit			450/920	
Clamping Force / Locking Force	[kN]		4500/4950	
Max. mould opening stroke	[mm]		850	
Mould height Min./WA211	[mm]		360	
Max./enlarged mould height	[mm]		880/1110	
Daylight between platens max./enl.	[mm]		1730/1960	
Mould platen (h x v)	[mm]		1300x1300	
Distance between tie bars (h x v)	[mm]		920x920	
Min. permissible mould diameter (k)	[mm]		420	
Max mould weight / mov./ fixed	[kg]	3	3700 ¹⁾ /4305/6700	
Ejection stroke std./enlarged	[mm]		200	
Ejection / Retraction force	[kN]		106/46	
Injection unit			2500	
Screw diameter	[mm]	60	70	
Screw geometry		special ²⁾	special ²⁾	
L/D ratio		25	25	
Spec. injection pressure (up to 400°C)	[bar]	2420	2074	
Cylinder head volume, max.	[cm³]	891	1212	
Max. shot weight (PS, PE*)	[g]	650*	885*	
Max. rate of injection				
> With accumulator	[cm³/s]	2827	3848	
Plasticising rate (PS, PE*)	[g/s]	88*	126*	
Max. screw stroke	[mm]		315	
Max. dist. nozz. retract./auto mode	³⁾ [mm]	895/704	541/541	
Max. dist. nozz. retr./auto mode ZE3	372[mm]	1000/809	646/646	
Max. nozzle dipping depth (WA650)	[mm]		20	
Nozzle sealing force	[kN]		110	
Number of heating zones		6	6	
General data			450/920-2500	
Oil tank capacity 5)	[ltr.]		760	
Installed electrical rating				
> Pump ⁶⁾	[~kW]		45	
> Electric screw drive (WA313)	[~kW]		71	
> Capacity clamp unit 7)	[~kW]		83,7	
> Heating capacity of screw cylinder	⁷⁾ [~kW]	28,6	32,9	
> Total capacity	[~kW]	229,8	234,1	
Dry cycle time (Euromap 6) 8)	[s-mm]		1,55-644	
Dry cycles with unlocking time	[s-mm]		1,80-644	
Net weight (without oil) 9)	[~kg]	21	21153/6510/27663 10)	
Transport dimensions (I x w x h)	[~m]	4,60/4,8	4,60/4,88 ¹¹)x2,36/2,29 ¹¹)x2,89	
	[mm]	0/616 75/616		

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 450/920-3000

Summarior (SHI) Demag	2 11 12111 2				
Clamping Fire	Sumitomo (SHI) Demag				
Clamping unit	·			EI-Exis SP 450/920-3000	
Clamping Force / Locking Force [N]	International size description		450	00-3000	
Max. mould opening stroke mm 650 Mould height Min AWA211 mm 300 Daylight between platens max/en. mm 8801100 Daylight between platens max/en. mm 10m Mould platen (n x v) mm 20agong 1700 Min. permissible mould diameter (k) mm 20agong 2 Min. permissible mould diameter (k) mm 420 Min. permissible mould diameter (k) mm 2000 Ejection stroke std./enlarged mm 2000 Ejection stroke std./enlarged mm 70 80 Screw diameter (mind) 70 80 Screw diameter (mind) 70 80 Speci, injection pressure (up to 400°C) foat 243 2051 Speci, injection pressure (up to 400°C) foat 42432 30 Max. stot very (FS, PE*) fog 674* 881* Max. stot very (FS, PE*) fog 164* 150 Max. stot very (FS, PE*) fog 164* 150 Max. std. int.ozz. retra./stuth mode fox 7 80 80 Max. std. int.ozz. retra./stuth mode fox 7 7 7 Max.	Clamping unit		4	50920	
Moule height Min.Wa211 (mm) 880 1100 Max. keringed moule height (mm) 1800 1100 Mould platen (n x v) (mm) 1300 1500 Mould platen (n x v) (mm) 1300 1500 Min. permissible und disameter (k) (mm) 4200 Max. mould weight / mov / fixed (kg) 8700 1400 4400 4500 Ejection stroke sid. Jeniarged (mm) 200 Ejection rivit (mm) 70 80 Ejection rivit 70 80 90 Ejection rivit 190 23 24 Ejection rivit 190 2432 2051 Ejection rivit 190 42432 2051 Max. serio weight (PS, PE') 191 674* 881* Max. serio weight (PS, PE') 196 744* 881* Pullation ratio (PS, PE') 196 198	Clamping Force / Locking Force	[kN]	450	00/4950	
Max Jenlarged mould height (mr) (mm) 1760/1980 1760/1980 Durjatip between piaters max/ml. (mr) (mm) 1300/1930 1500 1500 1760/1980 1500	Max. mould opening stroke	[mm]		850	
Daylight between platen max-len. [mm] fmm] 17601960 Mould paten (n x y y) [mm] 1300x1300 Min. permissible mould diameter (k) [mm] 420x62a Max mould weight / mov / fixed [k] 870° v430x6700 Ejection srives ad khallenged [mm] 3000 Ejection srives ad khallenged [mm] 3000 Ejection srive ad khallenged [mm] 80 Screw dameter [mm] 70 80 Screw dameter [mm] 23 24 LD ratio 23 24 25 Cylinder head volume, max. [pm] 924 1206 Max. skot weight (PS, PE) [gl 674 881 Max. skot weight (PS, PE) [gl 674 194 Max. skot weight (PS, PE) [gl 198 4524 Plastician stock (PS, PE) [gl 198 686820 Max. skot knozz, refear/Jauto mode 2 [mm] 755643 686820 Max. skot nozz, refear/Jauto mode 2 [km] 620568 533485	Mould height Min./WA211	[mm]		360	
Mould platen (h x y) (mm) 1300x1300 Distance between ite bars (h x y) (mm) 420x20x2 Max mould weight / mov / fixed (kg) 8700 (43056700 Ejection stroke std/enlarged (mm) 100 Ejection / Retraction force (km) 100 Ejection / Retraction force (km) 100 Ejection / Retraction force (km) 80 Screw dameter (km) 80 Screw geometry \$pecial ? 80 Screw geometry \$peci injection pressure (up to 400°C) (br) LO Tatlo 23 24 Spec, injection pressure (up to 400°C) (br) 23 24 Max. shot weight (FS, PE?) (g) 674 80 80 Max. shot weight (PS, PE?) (g) 181 180	Max./enlarged mould height	[mm]	88	0/1100	
Distance between tile bars (h x v) (mm) 920x920 Min. permissible mould diameter (k) (mm) 420 420x00 Bection stroke std Jenlarged (m) 200 420x00 Ejection stroke std Jenlarged (m) 70 300 30 Screw dameter (mm) 70 30 30 Screw dameter (mm) 70 30 30 Li Dratio 23 243 205 Cylinder head volume, max. (sm²) 924 4243 2051 Special price hord volume, max. (sm²) 924 3848 4524 206 Max. srot volume (PS, PE¹) (g/s) 3848 4524 384 4524 Plasticiang rate (PS, PE¹) (g/s) 3848 4524 4524 Max. sort was (PS, PE¹) (g/s) 3848 4524 4524 Plasticiang rate (PS, PE¹) (g/s) 755/843 668/820 333485 Max. sort was (PS, PE¹) (g/s) 755/843	Daylight between platens max./enl.	[mm]	176	60/1960	
Min. permissible mould dismeter (k) firm 480 8700 '430046000000 Max mould weight / mov / fixed fige 8700 '430046000000 Ejection roke skid challarged [m] 106446000000000000000000000000000000000	Mould platen (h x v)	[mm]	130	00x1300	
Max mould weight / mov / fixed [kg] 6700 '1430566700 Ejection / Retraction force [km] 200 Ejection / Retraction force [km] 108468 Projection runt Screw diameter [mm] 70 80 Screw geometry \$pecial ²⁰ 39 L/D ratio 23 24 Spec. injection pressure (up to 400°C) [ba] 42432 2051 Cylinder head volume, max. [cm] 924 1206 Max. shot weight (PS, PE*) [g] 674* 881* Vill accumulator [cm²] 3848 4524 Max. stork (PS, PE*) [g*] 198* 460* Max. stork (PS, PE*) [g*] 198* 460* Max. stork (PS, PE*) [g*] 198* 4624 Plastician grace (PS, PE*) [g*] 198* 4624 Max. stork (PS, PE*) [g*] 620508 533485 Max. stork (PS, PE*) [g*] 620508 533485 Max. stork (PS, PE*) [g*]	Distance between tie bars (h x v)	[mm]	92	20x920	
Ejection stroke std./enlarged mm 200 10046 10054 1	Min. permissible mould diameter (k)	[mm]		420	
Ejection /Retraction force [km] 3000 Screw dameter [mm] 70 300 Screw geometry \$pecial ³ 3pecial ³ 3pecial ³ ELD ratio 23 24 205 Special pecial pressure (up to 400°C) [bar] 3pecial ³ 2pecial ³ 2pecial ³ Max. shot weight (PS, PS*) [g] 674° 2pecial ³ 2p	Max mould weight / mov./ fixed	[kg]	8700	1)/4305/6700	
Projection unit	Ejection stroke std./enlarged	[mm]		200	
Screw diameter [mm] 70 80 Screw geometry special ? special ? L/D ratio 23 24 Spec. injection pressure (up to 400°C) [bta] 4332 2051 Cylinder head volume, max. [cm²] 924 1206 Max. shot weight (PS, PE¹) [g] 674² 881² Wax. rate of injection 4524 881² With accumulator [cm²] 3848 4524 Plasticising rate (PS, PE¹) [g/s] 108° 240 Max. screw stroke [mm] 755/643 668/620 Max. dist, nozz, retract/auto mode ? [mm] 755/643 668/620 Max. dist, nozz, retri-fauto mode ? [mm] 620/688 333485 Max. dist, nozz, retri-fauto mode ? [mm] 755/643 668/620 Max. dist, nozz, retri-fauto mode ? [mm] 620/688 333485 Max. dist, nozz, retri-fauto mode ? [mm] 755/643 7 7 Max. dist, nozz, retri-fauto mode ? [mm] 755/643 10 7 Max. dist, nozz, retri-fauto mode ? [mm] 755/643 10 7	Ejection / Retraction force	[kN]	1	06/46	
Screw geometry special ³ special ³ LD ratio 23 24 Spec, injection pressure (up to 400°C) [bar] 2432 2051 Cylinder head volume, max. [cm²] 924 1206 Max. shot weight (PS, PE¹) [g] 674² 881² Max. rate of injection "The scumulator [cm²s] 3848 4524 Plasticising rate (PS, PE¹) [g]s 108° 240 Max. serve stroke [mm] 755/643 668/620 Max. dist. nozz. retr./auto mode ₹10m² 620/658 533/485 Max. dist. nozz. retr./auto mode ₹2727{mm 620/658 533/485 Max. dist. nozz. retr./auto mode ₹2727{mm 7 7 Number of heating zones 7 7 7 Coll tank capacity % [g]t. [g]t. 55 1 Intellige electrical rating [c]t. 55 5 Selectrics serve drive (WA313) [c-kW] 66,9 5 > Electrics serve drive (WA313) [c-kW] 31,3 43,3 > Total capacity of screw cylinder %[c-kW] 31,3 43,3	Injection unit			3000	
LO ratio 23 24 Spec. injection pressure (up to 400°C) [bar] 2432 2051 Cylinder head volume, max. [cm²] 324 1206 Max. shot weight (PS, PE²) [g²] 674° 881° Max. rate of injection """"""""""""""""""""""""""""""""""""	Screw diameter	[mm]	70	80	
Spec. injection pressure (up to 400°C) [barl 2432 2051 Cylinder head volume, max. [cm²] 924 1206 Max. shot weight (PS, PE*) [g] 674* 881* With accountulator [cm²] 3848 4524 Plasticising rate (PS, PE*) [g/s] 108* 240 Max. screw stroke [mm] 755/643 668/620 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 533/485 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 33/485 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 33/485 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 70 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 70 Max. dist. nozz. retr./auto mode 2572[fm] 620/508 70 Nozzle sealing force [kN] 7 7 Max. nozzle dipping depth (WA650) [tr.] 7 7 Departition (Salva Colspan="2") (Salva Colspan="2") (Salva Colspan="2") (Salva Colspan="2") (Salva Cols	Screw geometry		special ²⁾	special ²⁾	
Cylinder head volume, max. [cm²] 924 1206 Max. shot weight (PS, PE¹) [g] 674* 881* Max. rate of injection Vill accumulator [cm³/s] 3848 4524 Plasticising rate (PS, PE¹) [g] 108* 150* Max. serew stroke [mm] 240 150* Max. dist. nozz. retr./auto mode 3° [mm] 620/508 533/486 Max. nozzle dipping depth (WA650) [mm] 620/508 533/486 Max. nozzle dipping depth (WA650) [mm] 7 7 Number of heating zones [kn] 7 7 General data Toll tank capacity 8° [ltr.] Toll tank capacity 8° [ltr.] Toll tank capacity 8° [ltr.] Toll tank capacity 9° [ltr.] Toll capacity (PK, PE²) Toll capacity (PK, PE²) Toll capacity (PK, PE²) Toll capacity (PK, PE²) Toll capacity (PK, PK) Toll capacity (PK, PK)<	L/D ratio		23	24	
Max. shot weight (PS, PE*) Igl 674* 881* Max. rate of injection Common state of injection SWith accumulator [cm²/s] 3848 4524 Plasticising rate (PS, PE*) Ig/s 108* 150* Max. screw stroke Imm 240 668/820 Max. dist. nozz. retract/auto mode 2E372[fm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 20 7 Number of heating zones Ifm 7 7 General data 450/920-3000 7 Oil tank capacity % Ifm 55 5 Pump % [-kW] 55 5 Plastiled electrical rating 55 5 Plump % [-kW] 55 5 Plastiled electrical rating capacity of screw drive (WA313) [-kW] 31,3 43,3 Plastiled capacity of screw drive (WA313) [-kW] 31,3 43,3 Plastiled capacity of screw drive (WA313) [-kW] 31,3 43,3 Total capacity of screw drive (WA314) [-kW] 266,9	Spec. injection pressure (up to 400°C)	[bar]	2432	2051	
Max. rate of injection Now With accumulator [cm²/s] 3848 4524 Plasticising rate (PS, PE¹) [g/s] 108* 150* Max. screw stroke [mm] 755/643 668/620 Max. dist. nozz. retr./auto mode ² [mm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 20 Nozzle saling force [RN] 7 7 Number of heating zones [tm] 7 7 Ceneral data 450/920-3000 Unitark capacity ¹® [tm] 7 7 Pump ¹® [-kW] 55 5 Pump ¹® [-kW] 55 5 Peteric screw drive (WA313) [-kW] 31,3 43,3 Potalic gapacity of screw cylinder ¬[-kW] 31,3 43,3 Potal capacity [-kW] 266,9 278,8 Pot cycle time (Euromap 6) ¹® [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Pot weight (without oil) ³® [-kW] 2,605,22 ***ix_2,36/2,29 ***ix_2,88 <td>Cylinder head volume, max.</td> <td>[cm³]</td> <td>924</td> <td>1206</td>	Cylinder head volume, max.	[cm³]	924	1206	
Max. rate of injection Serial of the communitation (cm²)s 3848 4524 Plasticising rate (PS, PE¹) Ig/s 108° 240 Max. screw stroke Imm 755/643 668/620 Max. dist. nozz. retract/auto mode ZEST/Itm 620/508 533/485 Max. nozz. retract/auto mode ZEST/Itm 620/508 333/485 Max. nozz. retract/auto mode ZEST/Itm 620/508 333/485 Max. nozz. retract/auto mode ZEST/Itm 620/508 333/485 Max. nozz. retract/auto mode ZEST/Itm 620/508 30 Max. nozz. retract/auto mode ZEST/Itm 7 7 Test depting depth (WA65) [m] 20 Test depting depth (WA65) [itm] 7 7 Test depting depth (WA65) [itm] 7 7 Test depting depth (WA65) [itm] 7 7 <th col<="" td=""><td>Max. shot weight (PS, PE*)</td><td>[g]</td><td>674*</td><td>881*</td></th>	<td>Max. shot weight (PS, PE*)</td> <td>[g]</td> <td>674*</td> <td>881*</td>	Max. shot weight (PS, PE*)	[g]	674*	881*
Plasticising rate (PS, PE*) [g/s] 108* 150* Max. screw stroke [mm] 755/643 668/620 Max. dist. nozz. retract/auto mode ZE372[fmm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 20 Nozzle sealing force [kN] 7 7 Number of heating zones 7 7 Ceneral data 760 7 Installed electrical rating 55 > Pump ® [-kW] 55 55 > Electric screw drive (WA313) [-kW] 83,7 > Leading capacity of screw cylinder Pi_kwl 31,3 43,3 > Total capacity [-kW] 266,9 278,8 Dry cycle time (Euromap 6) ® [s-mm] [-kW] 266,9 278,8 Dry cycles with unlocking time [s-mm] 1,80-644 1,80-644 Net weight (without oil) ® [-kg] 21153/945/030603 ** 1,21153/945/030603 ** Transport dimensions (l x w x h) [-m] 4,60/5,22 ***ivx,3,36/2,29 ***ivx,2,99 ***ivx,2,99 ***ivx 1,60-64	Max. rate of injection				
Max. screw stroke [mm] 240 Max. dist. nozz. retract./auto mode 3 [mm] 755/643 668/620 Max. dist. nozz. retr./auto mode ZE372[mm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 20 Nozzle sealing force [kN] 110 Number of heating zones 7 7 General data 450/920-3000 Oil tank capacity 9 [tr.] 760 7 Installed electrical rating Pump 9 [-kW] 55 5 Electric screw drive (WA313) [-kW] 96,9 5 Peating capacity of screw cylinder 7 [-kW] 31,3 43,3 Potal capacity [-kW] 266,9 278,8 Pry cycle time (Euromap 6) 8 [s-mm] [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 1,80-644 Net weight (without oil) 9 [-kg] 21153/9450/30003 ** 1,21153/9450/30003 ** Transport dimensions (l x w x h) [-m] 4,60/5,22 ***ivx,2,36/2,29 ***ivx,2,36/2,29 ***ivx,2,89	> With accumulator	[cm³/s]	3848	4524	
Max. dist. nozz. retract/auto mode 3 [mm] 755/643 668/620 Max. dist. nozz. retr./auto mode ZE372[fhm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 20 110 Nozzle sealing force [kN] 7 7 Number of heating zones 7 7 Ceneral data 7 Oil tank capacity 5 [ftr.] 760 100 Installed electrical rating 55 Pump 6 [-kW] 55 100 Pelectric screw drive (WA313) [-kW] 96.9 100 Petating capacity of screw cylinder 7 [-kW] 31.3 43.3 Potol capacity [-kW] 266.9 278.8 Pry cycle time (Euromap 6) 8 [-km] 1,80-644 Dry cycles with unlocking time [-km] 1,80-644 Net weight (without oil) 9 [-kg] 21153/9450/30603 10 Transport dimensions (1 x w x h) [-m] 4,60/5,22 "192,36/2,29 "192,39	Plasticising rate (PS, PE*)	[g/s]	108*	150*	
Max. dist. nozz. retr/auto mode ZE372[fhm] 620/508 533/485 Max. nozzle dipping depth (WA650) [mm] 620/508 533/485 Nozzle sealing force [kN] 110 110 Number of heating zones 7 7 General data 450/920-3000 Oil tank capacity ® [ltr.] 450/920-3000 Installed electrical rating Pump ® [~kW] 55 Electric screw drive (WA313) [~kW] 96.9 Capacity clamp unit % [~kW] 31,3 43,3 Heating capacity of screw cylinder % [~kW] 31,3 43,3 Total capacity [~kW] 266.9 278,8 Dry cycle time (Euromap 6) % [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) % [~kg] 21153/9450/30603 ** Transport dimensions (I x w x h) [-m] 4,60/5,22 ***(3,22,9 ***)*x2,89	Max. screw stroke	[mm]		240	
Max. nozzle dipping depth (WA650) [mm] 20 Nozzle sealing force [kN] 110 Number of heating zones 7 7 General data 450/920-3000 Oil tank capacity ® [ltr.] 760 Installed electrical rating Pump ® [~kW] 55 Electric screw drive (WA313) [~kW] 96,9 Capacity clamp unit " [~kW] 83,7 Heating capacity of screw cylinder " [~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) ® [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) ® [-kg] 21153/9450/30603 ® Transport dimensions (I x w x h) [-m] 4,60/5,22 **I'x2,36/2,29 **I'x2,89	Max. dist. nozz. retract./auto mode 3	³⁾ [mm]	755/643	668/620	
Nozzle sealing force [kN] 110 Number of heating zones 7 7 General data 7 760 Installed electrical rating Fump ® [-kW] 55 Pelectric screw drive (WA313) [-kW] 96,9 Capacity clamp unit ¬¬ [-kW] 83,7 Heating capacity of screw cylinder ¬¬[-kW] 31,3 43,3 Total capacity [-kW] 266,9 278,8 Dry cycle time (Euromap 6) ® [s-mm] 1,55-644 1,80-644 Net weight (without oil) ® [-kg] 21153/9450/30603 ¹® 21153/9450/30603 ¹® Transport dimensions (l x w x h) [-m] 4,60/5,22 ¹¹¹x2,36/2,29 ¹¹x2,89	Max. dist. nozz. retr./auto mode ZE3	372[mm]	620/508	533/485	
Number of heating zones 7 7 General data 450/920-3000 Company Oil tank capacity [®] [Itr.] 760 Total capacity 55 Pump [®] [-kW] 55 Total capacity of screw cylinder [™] [-kW] 83,7 P Heating capacity of screw cylinder [™] [-kW] 31,3 43,3 Pry cycle time (Euromap 6) [®] [s-mm] 266,9 278,8 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) [®] [-kg] 21153/9450/30603 ¹⁰ Transport dimensions (I x w x h) [~m] 4,60/5,22 ¹¹ lx2,36/2,29 ¹¹ lx2,89	Max. nozzle dipping depth (WA650)	[mm]		20	
General data Oil tank capacity ⁵) [[ttr.] 760 Installed electrical rating > Pump ⁵) [~kW] 55 > Electric screw drive (WA313) [~kW] 96,9 > Capacity clamp unit ⁻) [~kW] 83,7 > Heating capacity of screw cylinder ⁻¹[~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) ⁵) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) ⁵) [~kg] 21153/9450/30603 ¹¹0 Transport dimensions (I x w x h) [~m] 4,60/5,22 ¹¹¹x2,36/2,29 ¹¹¹x2,89	Nozzle sealing force	[kN]		110	
Oil tank capacity 5 [ltr.] 760 Installed electrical rating Fump 6 [~kW] 55 > Electric screw drive (WA313) [~kW] 96,9 > Capacity clamp unit 7) [~kW] 83,7 > Heating capacity of screw cylinder 7/[~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) 8/0 [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) 9/0 [~kg] 21153/9450/30603 10/1 Transport dimensions (I x w x h) [~m] 4,60/5,22 11/x2,36/2,29 11/x2,89	Number of heating zones		7	7	
Installed electrical rating > Pump ⁶ [~kW] 55 > Electric screw drive (WA313) [~kW] 83,7 > Capacity clamp unit ⁷) [~kW] 83,7 > Heating capacity of screw cylinder ⁷ [~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) ⁸) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) ⁹ [~kg] 21153/9450/30603 ¹⁰ Transport dimensions (I x w x h) [~m] 4,60/5,22 ¹¹)x2,36/2,29 ¹¹)x2,89	General data		450/	920-3000	
> Pump ⁶) [~kW] 55 > Electric screw drive (WA313) [~kW] 96,9 > Capacity clamp unit ⁷) [~kW] 83,7 > Heating capacity of screw cylinder ⁷ [~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) ⁸) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) ⁹) [~kg] 21153/9450/30603 ¹⁰) Transport dimensions (l x w x h) [~m] 4,60/5,22 ¹¹ yx2,36/2,29 ¹¹ yx2,89	Oil tank capacity 5)	[ltr.]		760	
> Electric screw drive (WA313) [~kW] > Capacity clamp unit ⁷⁾ [~kW] > Heating capacity of screw cylinder ⁷⁾ [~kW] > Total capacity Transport dimensions (l x w x h) [~m] 96,9 83,7 83,7 83,7 278,8 278,8 278,8 1,55-644 1,80-644 1,80-644 4,60/5,22 ¹¹)x2,36/2,29 ¹¹)x2,89	Installed electrical rating				
> Capacity clamp unit 7) [~kW] 83,7 > Heating capacity of screw cylinder 7)[~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) 8) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) 9) [~kg] 21153/9450/30603 10) Transport dimensions (l x w x h) [~m] 4,60/5,22 11/x2,36/2,29 11/x2,89	> Pump ⁶⁾	[~kW]		55	
> Heating capacity of screw cylinder ***[~kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) *** [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) *** [~kg] 21153/9450/30603 ***[0] Transport dimensions (I x w x h) [~m] 4,60/5,22 ***[1)x2,36/2,29 ***[1)x2,89	> Electric screw drive (WA313)	[~kW]		96,9	
> Heating capacity of screw cylinder ***[-kW] 31,3 43,3 > Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) *** [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) ** [~kg] 21153/9450/30603 ***[0] Transport dimensions (l x w x h) [~m] 4,60/5,22 ***[1/2,236/2,29 ***]/x2,89	> Capacity clamp unit 7)	[~kW]		83,7	
> Total capacity [~kW] 266,9 278,8 Dry cycle time (Euromap 6) 8) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) 9) [~kg] 21153/9450/30603 ¹¹0 Transport dimensions (l x w x h) [~m] 4,60/5,22 ¹¹¹x2,36/2,29 ¹¹¹x2,89	> Heating capacity of screw cylinder		31,3	43,3	
Dry cycle time (Euromap 6) 8) [s-mm] 1,55-644 Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) 9) [~kg] 21153/9450/30603 10) Transport dimensions (I x w x h) [~m] 4,60/5,22 11/x2,36/2,29 11/x2,89			266,9	278,8	
Dry cycles with unlocking time [s-mm] 1,80-644 Net weight (without oil) **) [~kg] 21153/9450/30603 **10 Transport dimensions (I x w x h) [~m] 4,60/5,22 **11/x2,36/2,29 **11/x2,89	Dry cycle time (Euromap 6) 8)		1,	55-644	
Net weight (without oil) 9) [~kg] Transport dimensions (I x w x h) [~m] 4,60/5,22 11)x2,36/2,29 11)x2,89	Dry cycles with unlocking time				
Transport dimensions (I x w x h) [~m] 4,60/5,22 11)x2,36/2,29 11)x2,89	- · ·				
			4,60/5,22 11)	(2,36/2,29 ¹¹⁾ x2,89	
			0/581	91/894	
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 450/920-4200...450/920-6300

Sumitomo (SHI) Demag		
Model description		
International size description		

Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection / Retraction force	[kN]
Injection unit	

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
, , ,	[8,2]
Max. screw stroke	[mm]
	[mm]
Max. screw stroke	[mm]
Max. screw stroke Max. dist. nozz. retract./auto mode 3)	[mm]
Max. screw stroke Max. dist. nozz. retract./auto mode ³⁾ Max. dist. nozz. retr./auto mode ZE3	[mm] [mm] 72[mm]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinder	er 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 450/920				
EI-Exis SP 450/920-4200	El-Exis SP 450/920-6300			
4500-4200	4500-6300			
450	/920			
4500	0/4950			
8	50			
3	60			
880/	/1110			
1730	7/1960			
1300	x1300			
920x920				
420				
8700 1)/4305/6700				
2	00			
100	6/46			

42	200	63	00
80	95	95	110
special 2)	special 2)	special 2)	special 2)
24	24	24	23
2391	2094	2434	2006
1433	2020	2339	3136
1046*	1475*	1708*	2287*
4524	5671	5671	6652
125*	200*	173*	229*
2	85	330	
795/620	667/609	875/609	668/594
930/755	802/744	1010/744	803/729
20		2	0
1	10	1.	10
7	7	7	8

450/920-4200		450/92	20-6300
	730		
55	5	5	55
90	0	11	5,0
83	7	83	3,7
43,3	60,0	60,0	79,8
272,0	288,7	313,7	333,5
	1,55-6	14	
	1,80-6	14	
21153/1102	25/32178 10)	21153/12	600/33753 10)
4,60/5,58 ¹¹⁾ x2,3	36/2,29 ¹¹⁾ x2,89	4,60/6,36 ¹¹⁾ x2	,36/2,29 ¹¹⁾ x2,89
0/299	7/674	0/211	31/649

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles 4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 580/1020-3000

Sumitomo (SHI) Demag		El-	-Exis SP 580/1020
Model description		EI-Ex	ris SP 580/1020-3000
International size description			5800-3000
Clamping unit			580/1020
Clamping Force / Locking Force	[kN]		5800/6380
Max. mould opening stroke	[mm]		930
Mould height Min./WA211	[mm]		370
Max./enlarged mould height	[mm]		940/1170
Daylight between platens max./enl.	[mm]		1870/2100
Mould platen (h x v)	[mm]		1450x1470
Distance between tie bars (h x v)	[mm]		1020x1020
Min. permissible mould diameter (k)	[mm]		500
Max mould weight / mov./ fixed	[kg]		11200 1)/5330/8600
Ejection stroke std./enlarged	[mm]		220
Ejection / Retraction force	[kN]		165/84
Injection unit			3000
Screw diameter	[mm]	70	80
Screw geometry		special 2)	special ²⁾
L/D ratio		23	24
Spec. injection pressure (up to 400°C)	[bar]	2432	2051
Cylinder head volume, max.	[cm³]	924	1206
Max. shot weight (PS, PE*)	[g]	674*	881*
Max. rate of injection			
> With accumulator	[cm³/s]	3848	4524
Plasticising rate (PS, PE*)	[g/s]	108*	150*
Max. screw stroke	[mm]		240
Max. dist. nozz. retract./auto mode	F3	830/725	743/702
Max. dist. nozz. retr./auto mode ZE	372[mm]	965/860	878/837
Max. nozzle dipping depth (WA650)	[mm]		20
Nozzle sealing force	[kN]		110
Number of heating zones		7	7
General data			580/1020-3000
Oil tank capacity 5)	[ltr.]		760
Installed electrical rating			
> Pump ⁶⁾	[~kW]		55
> Electric screw drive (WA313)	[~kW]		96,9
> Capacity clamp unit 7)	[~kW]		83,7
> Heating capacity of screw cylinde	r ⁷⁾ [~kW]	31,3	43,3
> Total capacity	[~kW]	266,9	278,9
Dry cycle time (Euromap 6) 8)	[s-mm]		1,85-714
Dry cycles with unlocking time	[s-mm]		2,10-714
Net weight (without oil) 9)	[~kg]	30	0839/9450/40289 10)
Transport dimensions (I x w x h)	[~m]	5,00/5,	20 ¹¹⁾ x2,52/2,29 ¹¹⁾ x2,97
Electric drive projection max. (h)	[mm]	0/574	0/894

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 580/1020-4200...580/1020-6300

Sumitomo (SHI) Demag
Model description
International size description

Clamping Force / Locking Force [kN] Max. mould opening stroke [mm] Mould height Min./WA211 [mm] Max./enlarged mould height [mm] Daylight between platens max./enl. [mm] Mould platen (h x v) [mm] Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm] Ejection / Retraction force [kN]	Clamping unit	
Mould height Min./WA211 [mm] Max./enlarged mould height [mm] Daylight between platens max./enl. [mm] Mould platen (h x v) [mm] Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Clamping Force / Locking Force	[kN]
Max./enlarged mould height [mm] Daylight between platens max./enl. [mm] Mould platen (h x v) [mm] Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Max. mould opening stroke	[mm]
Daylight between platens max./enl. [mm] Mould platen (h x v) [mm] Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Mould height Min./WA211	[mm]
Mould platen (h x v) [mm] Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Max./enlarged mould height	[mm]
Distance between tie bars (h x v) [mm] Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Daylight between platens max./enl.	[mm]
Min. permissible mould diameter (k) [mm] Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Mould platen (h x v)	[mm]
Max mould weight / mov./ fixed [kg] Ejection stroke std./enlarged [mm]	Distance between tie bars (h x v)	[mm]
Ejection stroke std./enlarged [mm]	Min. permissible mould diameter (k)	[mm]
, , ,	Max mould weight / mov./ fixed	[kg]
Ejection / Retraction force [kN]	Ejection stroke std./enlarged	[mm]
	Ejection / Retraction force	[kN]

Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator	[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode 3)	[mm]
Max. dist. nozz. retr./auto mode ZE3	72[mm]
Max. nozzle dipping depth (WA650)	[mm]
Nozzle sealing force	[kN]
Number of heating zones	

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinder	er 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 580/1020			
El-Exis SP 580/1020-4200	El-Exis SP 580/1020-6300		
5800-4200	5800-6300		
580/	1020		
580/	6380		
93	30		
370			
940/1170			
1870/2100			
1450x1470			
1020x1020			
500			
11200 1)/5330/8600			
22	20		
165/84			

42	4200		00
80	95	95	110
special 2)	special 2)	special 2)	special 2)
24	24	24	23
2391	2094	2434	2006
1433	2020	2339	3136
1046*	1475*	1708*	2289*
4524	5671	5671	6652
125*	200*	173*	229*
2	285		30
870/702	742/691	950/691	743/676
1005/837	877/826	1085/826	878/811
2	20		0
1	110		10
7	7	7	8

580/102	0-4200	580/1020-6300	
	73	0	
55	5	5	55
90	0	11	5,0
83,7		83,7	
43,3	60,0	60,0	79,8
272,0	288,7	313,7	333,5
	1,85-	714	
	2,10-	714	
30839/11025/41864 ¹⁰⁾		30839/12600/43439 10)	
5,00/5,56 ¹¹⁾ x2,	11)x2,52/2,92 11)x2,97 5,00/6,35 11)x2,52/2,29 11)x2,97		,52/2,29 ¹¹⁾ x2,97
0/292	0/667	0/204	0/644

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

- 1) Increased mould weights for stack moulds on demand
- 2) Shear and mixing unit
- 3) Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles 4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles
- 5) First filling / operating 6) WA109
- 7) Parallel movement of all axis possible 8) Standard/twin pump (WA109)
- 9) The net weight of the machine may vary depending on equipment 10) CU/IU/total
- 11) CU/IU

Technical Data El-Exis SP 750/1120-3000

Sumitomo (SHI) Demag		EI-Exis SP 75	0/1120
Model description		El-Exis SP 750/1	120-3000
International size description		7500-300	00
Clamping unit		750/112	0
Clamping Force / Locking Force	[kN]	7500/825	50
Max. mould opening stroke	[mm]	1030	
Mould height Min./WA211	[mm]	400	
Max./enlarged mould height	[mm]	1020/125	50
Daylight between platens max./enl.	[mm]	2050/228	30
Mould platen (h x v)	[mm]	1620x162	20
Distance between tie bars (h x v)	[mm]	1120x112	20
Min. permissible mould diameter (k)	[mm]	700	
Max mould weight / mov./ fixed	[kg]	14000 1)/5165	5/10800
Ejection stroke std./enlarged	[mm]	270	
Ejection / Retraction force	[kN]	218/113	3
Injection unit		3000	
Screw diameter	[mm]	70	80
Screw geometry		special 2)	special 2)
L/D ratio		23	24
Spec. injection pressure (up to 400°C)	[bar]	2432	2051
Cylinder head volume, max.	[cm³]	924	1206
Max. shot weight (PS, PE*)	[g]	674*	881*
Max. rate of injection			
> With accumulator	[cm³/s]	3848	4524
Plasticising rate (PS, PE*)	[g/s]	108*	150*
Max. screw stroke	[mm]	240	
Max. dist. nozz. retract./auto mode 3)	F	890/785	803/762
Max. dist. nozz. retr./auto mode ZE3	72[mm]	1025/920	938/897
Max. nozzle dipping depth (WA650)	[mm]	20	
Nozzle sealing force	[kN]	110	
Heating capacity	[kW]	7	7
General data		750/1120-3	000
Oil tank capacity 5)	[ltr.]	760	
Installed electrical rating			
> Pump ⁶⁾	[~kW]	55	
> Electric screw drive (WA313)	[~kW]	96,9	
> Capacity clamp unit 7)	[~kW]	90	
> Heating capacity of screw cylinder	⁷⁾ [~kW]	31,3	43,3
> Total capacity	[~kW]	273,2	285,2
Dry cycle time (Euromap 6) 8)	[s-mm]	2,00-784	4
Dry cycles with unlocking time	[s-mm]	2,25-784	4
Net weight (without oil) 9)	[~kg]	39500/9450/4	8950 10)
Transport dimensions (I x w x h)	[~m]	5,56/5,00 ¹¹⁾ x2,73/2	2,29 ¹¹⁾ x3,07
Electric drive projection max. (h)	[mm]	0/572	91/892

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

Increased mould weights for stack moulds on demand
 Shear and mixing unit

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles
4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Technical Data El-Exis SP 750/1120-4200...750/1120-6300

Sumitomo (SHI) Demag	
Model description	
International size description	
Clamping unit	
Clamping Force / Locking Force	[kN]
Max. mould opening stroke	[mm]
Mould height Min./WA211	[mm]
Max./enlarged mould height	[mm]
Daylight between platens max./enl.	[mm]
Mould platen (h x v)	[mm]
Distance between tie bars (h x v)	[mm]
Min. permissible mould diameter (k)	[mm]
Max mould weight / mov./ fixed	[kg]
Ejection stroke std./enlarged	[mm]
Ejection / Retraction force	[kN]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[bar]
Cylinder head volume, max.	[cm³]
Max. shot weight (PS, PE*)	[g]
Max. rate of injection	
> With accumulator [[cm³/s]
Plasticising rate (PS, PE*)	[g/s]
Max. screw stroke	[mm]
Max. dist. nozz. retract./auto mode $^{\scriptscriptstyle 3)}$	[mm]
Max. dist. nozz. retr./auto mode ZE37	² [mm]
Max. nozzle dipping depth (WA650)	[mm]
	[kN]
Nozzle sealing force	
Nozzle sealing force Heating capacity	[kW]
	[kW]
Heating capacity	[kW]

General data	
Oil tank capacity 5)	[ltr.]
Installed electrical rating	
> Pump ⁶⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> Capacity clamp unit 7)	[~kW]
> Heating capacity of screw cylinde	r 7)[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) 8)	[s-mm]
Dry cycles with unlocking time	[s-mm]
Net weight (without oil) 9)	[~kg]
Transport dimensions (I x w x h)	[~m]
Electric drive projection max. (h)	[mm]

EI-Exis SP 750/1120			
El-Exis SP 750/1120-4200	El-Exis SP 750/1120-6300		
7500-4200	7500-6300		
	750/1120		
	7500/8250		
	1030		
	400		
	1020/1250		
	2050/2280		
	1620x1620		
	1120x1120		
	700		
14	4000 ¹ //5165/10800		
	270		
	218/113		

4200		6300	
80	95	95	110
special 2)	special 2)	special 2)	special 2)
24	24	24	23
2391	2094	2434	2006
1433	2020	2339	3136
1046*	1475*	1708*	2289*
4524	5671	5671	6652
125*	200*	173*	229*
2	35	33	30
930/762	802/751	1010/751	803/736
1065/897	937/886	1145/886	938/871
2	0	20	
110		110	
7	7	7	8

750/1120	-4200	750/112	20-6300
730		73	30
55		5	5
90,0)	11:	5,0
90		90	
43,3	60,0	60,0	79,8
278,3	295,0	320,0	339,8
	2,00	-784	
	2,25	-784	
39500/11025/50525 ¹⁰⁾		39500/12600/52100 ¹⁰⁾	
5,56/5,72 ¹¹⁾ x2,73/2,29 ¹¹⁾ x3,07		5,56/6,35 ¹¹⁾ x2,73/2,29 ¹¹⁾ x3,07	
0/290	0/647	0/202	0/642

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

These parameters are based on a mains voltage 400 V. A deviating mains voltage will affect the machine parameters.

¹⁾ Increased mould weights for stack moulds on demand

³⁾ Only valid for open nozzles (WA650). Carriage travel is shortened with shut-off or extended nozzles 4) Only valid for open nozzles (SVO). Carriage travel is shortened with shut-off or extended nozzles

⁵⁾ First filling / operating 6) WA109

⁷⁾ Parallel movement of all axis possible 8) Standard/twin pump (WA109)

⁹⁾ The net weight of the machine may vary depending on equipment 10) CU/IU/total

¹¹⁾ CU/IU

Equipment El-Exis SP 150 ... 750

Clamping unit	150 420	450 750
2 - Short-lengtht 5-point double toggle clamping unit	•	•
22 - Ejector coupling to DPG	•	•
24 - Tie bars of clamping unit chromed	•	•
27 - Upper tiebar on non-operator side retractable	_	_
41 - Central ejector with multi-stroke and stroke, pressure and		
speed programmable 43 - Short/long stroke ejector	-	-
46 - Disforming clamping unit free prammable; movements	•	•
parallel	•	•
94 - Five-stagedmould clamping- and four-staged mould-opening sequence	•	•
203 - Reduced centering diameter on fixed platen	•	•
2031 - Fixed mould mounting platen reinforced	0	0
204 - Mould mounting dimensions in accordance to Euromap, without side ejector plate	•	•
205 - Mould mounting dimensions in accordance to Euromap, with side ejector plate	0	0
207 - Mould mounting dimensions similar to SPI	0	0
2091 - Mould mounting dimensions similar to JIS	0	0
210 - Standard mould height	•	•
211 - Extended mould height	0	0
215 - Mould and ejector movements only when safety gate closed	•	•
2171 - Operating when safety gate is open on non-operator side	0	0
219 - Ejector programmable for simultaneous operation with mould movement		•
2192 - Reinforced ejector	0	
224ff - 1-6 pneumatik 5/2 directional valves, mounted to moving	0	-
or fixed platen and freely programmable	0	0
228 - Central service unit for pneumatic valves	0	0
229ff - Core puller with 1-6 circuits over proportional valve on mov. platen; Q-independent programmable; with unlockable check-valves against core-moving; incl. Manual pressure relief for core-puller 1-6 circuits on movable platen over one common valve	•	0
	0	0
237 - Additional ports for 2 core pullers on fixed mould platen 242 - Cover widened on non-operator side	0	0
243 - Blow through for mould cooling lines; manual	0	0
244ff - Cooling water controller 4, 8, 12 circuits with temperature	0	0
gauge	0	0
252 - Shut-off mould cooling, time programmable	•	•
282+283 - Pneumatical core puller 1 or 2-circuit via b/w valve on the movable platen including tubing	0	0
261 - Automatic mould height adjustment	0	0
18 - Moving platen supported by linear guides on machine base	•	•
264 - Manual clamping mechanism for tiebar retraction	0	0
266ff - Hot runner control (number of zones depending on machine size, max. 24)	0	0
275 - Hydraulic control for hot runner nozzles	0	0
276 - Pneumatic hot runner shut off control; 1x 5/2 directional valve	0	0
290 - Clamp force control with indication	•	•
293 - activeQ: Active mould safety via sensor with mould movement	•	•
2931 - ActiveQ: Active mould safety via sensor with mould movement \"mould open\"	0	0
295 - Additional manual adjustable control button		
mould-open-position	0	0

Clamping unit	150 420	450 750
299 - Central grease lubrication manual		
2991 - Central grease lubrication automatic	0	0

Injection unit	150 420	450 750
92 - Regulated parameter for injection speed, pressure, ram pressure and screw speed programmable via profile	0	0
300 - Injection unit horizontal	•	•
313 - Electrical screw motor, frequency-controlled	•	•
320 - Hopper	0	0
322 - Hopper shutoff with emptying capability (with drill pattern for material conveyor)	•	•
341 - Temperature of funnel-zone-cooling regulated; maximum temperature 90°C tolerance	•	•
343 - Injection limitation profile (traverse with 10 stabilization points) with time monitoring	0	0
350 - Holding pressure switchover depending on hydraulic pressure with maximum value recording and pressure recording	•	•
352ff - Holding pressure switchover depending on cavity pressure with pressure recording for 1, 2, 4 pressure taker	0	0
357 - Holding pressure switchover over extern exit	0	0
355 - Back pressure programmable over screw-back stroke, polygon over 6 stabilisation points	•	•
370 - Melt temperature measuring (only for open nozzles)	0	0
372 - carriage position prepared for snorkel of stack molds		
380 - Nozzle sealing force with closed mould, programmable	•	•
385 - Nozzle system residual pressure with open mould , programmable	•	•
386 - Nozzle movement parallel to closing movement	•	•
388 - Screw position-controlled high speed	•	•
411 - Start injection stroke-dependent to mould movement and nozzle-system pressure over complete cycle	•	•

Electrical system	150 420	450 750
110 - Supply voltage 400 V+-10 %/ 50 Hz; 3 Ph + N + PE	•	•
111-117 - Specific national supply voltage	0	0
121 - Separate power supply for both drive and heating	•	•
160 - Single-phase 230 V/50 Hz/ 10 A socket in specific national version, defeatable over main switch	•	•
1601 - Socket CEE 3Ph/400V/16A, defeatable over main switch	0	0
1602 - Socket CEE 3Ph/400V/32A, defeatable over main switch	0	0
161ff - Socket combination integrated, country-specific	0	0
186 - Digital and wearfree stroke measuring system ultrasonic, respectively high-resolution rotary sensors for injection and injection unit movement, clamp and ejector movement	•	•
4921 - Integrated mesuring of energy consumption and the costs per piece (activeEcon)	0	0

Functions	150 420	450 750
413 - Simultaneous stamping control	0	0
420 - Process data entry (PDE) with 100 % monitoring and statistics with graphics for of process parameters	•	•
421 - Extended intern saving option for PDE-data, mould-records and journal entry	0	0
422 - Overlay of parameters of consecutive cycles in multiple graphs on one screen for a convenient evaluation of the process stability	•	•
424 - Pallet control; uses 2 seperate to ordering programmable input/output	0	0

The shown specifications reflect the state at the time of printing and refer to the standard cofiguration. We reserve the right to modifiy specifications.

Basic equipment

O Additional price

Functions	150 420	450 750
425 - Storing program for extern storage of statistic data	•	•
427 - Temperatur reduction over switchpoint with timing in manual mode activatable	•	•
428 - Dry cycle without heat via program switch	•	•
429 - Preselection part counter forstartup reject parts after every break of automatic-mode	•	•
430 - Start up program in 3 stages; including back pressure	•	•
440 - Switch-on program / switch-off program with purging	•	•
445 - Flexible movement sequence for the injection unit without/with multiple movements from ejector and core pullers	•	•
446 - Flexible movement of the injection unit	•	•
460 -Printer program for automatic printing of screens, change report, alarms, and process data	0	0
461 - Change reason	•	•
462 - Event journal	0	0
471 - factory data capture integrated in machine control	0	0
480 - Help function; integrated control indication over control	•	•
481 - Additional operating language	0	0
486 - Ergosupport: program for faster fault recognition on basic setting/process optimisation and for extended monitoring of process sequence and deviations	0	0
488 - Service page	•	•
489 - Analysis of cycle time	•	•
493 - Two freely programmable sides	•	•
494 - Additional two freely programable sides	0	0
495 - Integration of extern user interfaces in operator panel with VNC-client (Active Remote)	0	0

Interfaces	150 420	450 750
450 - Inputs / outputs freely programmable; 3 inputs and 3 outputs	0	0
454 - Inputs / outputs freely programmable; 6 inputs and 6		
outputs	0	0
510 - Socket for second nozzle heater band	0	0
523 - 50-pin handling device interface conf. to Euromap 67 (VDMA)	0	0
529 - Interface for handling device, version Asia	0	0
528 - Adapter cable for Euromap 67 (50-pole) to Euromap 12 (32-pole) and SPI AN-116 (32-pole)	0	0
532 - Additional controller nozzle 1 circuit	0	0
540 - Interfaces for ejector limit switch in mould, side action with LS and product detection	0	0
541 - Interface for mould protection (ejector plate safety)	•	•
542 - Interface for component ejection monitoring	0	0
544 - Interface for mould safety, side core safety mechanism	0	0
546 - Interface for screw-back unit	0	0
555 - Interface for mould temperature indication, 2 circuits	0	0
552 - CAN-Bus interface for temperature controllers (2 or 4 circuits), Demag-specific signal	0	0
556 - 20 mA interface (TTY-V24) for up to 6 units temperature controllers	0	0
562 - Interface machine status		0
563 - Data interface for main computer systems to Euromap 63 and SPI AN-142	0	0
571 - WC5 - DPG World Connect; Remote maintenance and control of the machine	•	•

General	150 420	450 750
10 - Injection moulding machine with CE-declaration of conformity (without periphery and automation), safety devices according to EN201 USA: machine and safety devices according to ANSI	•	•

General	150 420	450 750
12 - Main memory for: fast injection speed, core-, ejector- and injection unit movement	•	•
14 - Oil pre-heating	•	•
15 - Ports for external oil cleaning	•	•
17 - Two staged filter control	•	•
23 - Clamp force adjustable at Ergocontrol control, including indication of actual valve	•	•
50 - Interface for handling device, mechanical according to VDMA 24466/Euromap 18	•	•
52 - Fault indication: free allocable output	•	•
67 - DPG-Interface mechanic (drilling pattern) for material conveyor	•	•
71 - USB-Device	•	•
80 - Interface for extern printer (hardcopy)	•	•
95 - Machine setup modus (reduced speed)	•	•
96 - Alarm management (alarms + indications)	•	•
97 - Setpoint entry switch-over to physical values (bar, cm³, mm/s)	•	•
98 - Process control	•	•
122 - Increasement of mashine bed of 100 mm	0	-
123 - Kill switch on operator side	•	•
126 - Data display colored	•	•
135 - Oil cooling (cooling water supply up to 25°C)	•	•
137 - Integrated oil cleaning unit for microfibre bypass filtration	•	•
139 - Water supply for mould- and machine-cooling seperated	•	•
136 - Oil cooling unit with increased cooling capacity	•	•
170 - Fault indication by flashing lamp	•	•
171 - Fault indication by acoustic alarm	•	•
180 - Anti-vibration mounts	•	•
705 - QS-switch with control; 2 directions	•	•
790 - Integrated printer including driver software	•	•
802 - ErgoCheck: Dokumentation of machine operative readiness locally	•	•
870 - PC-program for visualisation mould records	•	•

Plastification	150 420	450 750
60 - Cylinder change manual	•	•
61 - Central connector for cylinder heating and thermo sensor	•	•
68 - Operating range of screw cylinder up to 400°C	•	•
65 - Each temperature control circuit with setpoint deviation control and thermocouple break protection; barrel operating temperatures up to 450°C, with pressure limitation above 400°C	•	•
66 - Fast cylinder change with main plugs für heating and thermo indicator and with automatic cylinder detection	•	•
601 - Energy-saving thermal insulation of the plasticizing	0	0
610 - Wear and corrosion resistant universal thermoplastic screw, nitrided barrel	•	•
611ff - High-performance plastication unit; customised	•	•
640 - Flow back barrier, three-part ring-version	•	•
642 - Flow back barrier, ball-version	0	0
650 - Open nozzle	•	•
665 - Pneumatic shut off nozzle incl. control	•	•

All data and information in this prospectus have been complied with great care. However, we are unable to guarantee its correctness. Furthermore we indicate that individual illustrations and information may deviate from the actual delivery condition of the machine.

Material	Melt correction factor
HD-PE	0.75
LD-PE	0.73
PP	0.73
PS	0.91
SB	0.91
ABS	0.91
SAN	0.91
PA	0.93
PA 6 +30 % GF	1.14
PC	0.97
PC/ABS	0.94
PMMA	0.97
POM	1.15
PET	1.08
PBT	1.08
CA	1.03
CAB	0.98
PVC-w	1.05
PVC-h	1.15
shot weight = melt correction fac	tor x swept volume

Certified according to VDA 6.4

NOTE: Specifications subject to change without notice.



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