

EL-EXIS SP Ultra-High-Speed Hybrid Series

Detailed Specifications
ENGLISH UNITS



Technical Data EI-Exis SP 150/500

Sumitomo (SHI) Demag

Model description	
International size description	

Clamp Unit

Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection force / Retraction force	[Ton]

Injection unit

Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]

Max. rate of injection

> With accumulator	[in ³ /s]
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Plasticizing rate (PS, PE*)

Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	

General data

Oil tank capacity ⁴⁾	[gal]
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Installed electrical rating

> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 150/500

EI-Exis SP 150/500-475	EI-Exis SP 150/500-675	EI-Exis SP 150/500-920
1500-475	1500-675	1500-920

150/500

168.57/185.43
19.69
9.84
22.05/25.98
41.73/45.67
29.53x29.53
19.69x19.69
11.81
2200 ¹⁾ /1550/1150
3.94
7.3/3.6

475 675 920

35	40	40	45	45	50
special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25	25	25
35143	29747	35070	31618	35186	31183
10.8	14.1	15.6	19.7	21.8	27
4.5*	6*	6.6*	8.3*	9.2*	11.4*
58.7	76.7	76.7	97	97	119.8
34*	51*	45*	60*	54*	71*
7.24		7.99		8.86	
29.13/21.26	23.23/21.26	30.31/24.41	22.44/21.26	36.42/25.2	28.54/24.61
0.79		0.79		0.79	
12.36		12.36		12.36	
6	6	6	6	6	6

150/500-475 150/500-675 150/500-920

106					
18.5					
26.4	35.8	54.0			
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
1.0-13.78					
1.15-13.78					
8.45	8.62	9.09			
19.55x5.45x7.12	20.21x5.45x7.12	21.36x5.45x7.12			
7.05/33.58	12.68/33.58	12.72/40.71	20.67/40.71	24.13/56.77	31.81/56.77

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

2) 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) Standard/twin pump (WA109)

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

Technical Data EI-Exis SP 200/560

Sumitomo (SHI) Demag	
Model description	
International size description	
Clamp Unit	
Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection force / Retraction force	[Ton]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in ³ /s]
Plastizing rate (PS, PE*)	
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	
General data	
Oil tank capacity ⁴⁾	[gal]
Installed electrical rating	
> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 200/560					
EI-Exis SP 200/560-675		EI-Exis SP 200/560-920		EI-Exis SP 200/560-1600	
2000-675		2000-920		2000-1600	
200/560					
224.76/247.24					
22.64					
12.2					
25.98/29.92					
48.62/52.56					
32.68x32.68					
22.05x22.05					
13.78					
3300 ¹⁾ /1800/2500					
5.51					
7.3/3.6					
675		920		1600	
40	45	45	50	50	60
special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25	25	25
35070	31618	35186	31183	35186	30545
15.6	19.7	21.8	27	32.3	46.6
6.6*	8.3*	9.2*	11.4*	13.6*	19.6*
76.7	97	97	119.8	119.8	172.5
45*	60*	54*	71*	60*	100*
7.99		8.86		10.63	
24.61/18.11	16.73/12.8	28.54/17.32	20.67/16.73	38.78/18.31	25.98/17.32
28.74/22.24	20.87/16.93	32.68/21.46	24.8/20.87	42.91/22.44	30.12/21.46
0.79		0.79		0.79	
12.36		12.36		12.36	
6	6	6	6	6	6
200/560-675		200/560-920		200/560-1600	
106					
18.5					
30					
35.8					
54.0					
58					
32.4					
32.4					
32					
14.6	16.4	16.4	23.0	23.0	28.6
101.3	103.1	132.8	139.4	143.0	148.6
1.15-15.43					
1.30-15.43					
10.71		11.23		11.49	
21.69x5.77x7.48		22.7x5.77x7.48		24.77x5.77x7.48	
4.84/33.46	12.8/33.46	16.26/49.41	23.94/49.41	36.3/79.02	49.29/79.02

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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

2) 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) Standard/twin pump (WA109)

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

Technical Data EI-Exis SP 250/630

Sumitomo (SHI) Demag

Model description
International size description

Clamp Unit

Clamp force / Locking force [Ton]
Clamp stroke, max. [in]
Mold height, min./WA211 [in]
Mold height, max. (std./opt.) [in]
Open Daylight, max. (std./enl.) [in]
Min. permissible mold diameter (k) [in]
Platen size (h x v) [in]
Distance between tie bars (h x v) [in]
Max mould weight / mov. / fixed [kg]
Ejection stroke [in]
Ejection stroke AWH forced (optional) [in]
Ejection force / Retraction force [Ton]
Ejection force AWH forced (optional) [Ton]

Injection unit

Screw diameter [mm]
Screw geometry
L/D ratio
Spec. injection pressure (up to 400°C) [psi]
Cylinder head volume, max. [in³]
Max. shot weight (PS, PE*) [oz]

Max. rate of injection

> With accumulator [in³/s]

Plastizising rate (PS, PE*) [g/sec]

Max. screw stroke [in]
Max. distance of nozzle retraction ³⁾ [in]
Max. distance of nozzle retraction ZE372 [in]
Max. nozzle dipping depth (WA650) [in]
Nozzle contact force [Ton]
Hopper capacity, optional [lb]
Number of heating zones

General data

Oil tank capacity ⁴⁾ [gal]

Installed electrical rating

> Pump ⁵⁾ [~kW]
> Electric screw drive (WA313) [~kW]
> clamp unit power [~kW]
> Barrel heating capacity [~kW]
> Total capacity [~kW]
Dry cycle time (Euromap 6) ⁶⁾ [sec-in]
Dry cycles with unlocking time [sec-in]
Net weight (without oil) ⁷⁾ [~Ton]
Transport dimensions (l x w x h) [~ft]
Electric drive projection max. (h) [in]

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

280.95/309.05
26.38
12.99
27.95/32.68
54.33/59.06
15.75
37.4x37.4
24.8x24.8
4300 ¹⁾ /2305/3300
5.51
5.51
9.1/4.5
18.54/6.63

920		1600		2500	
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45	50	50	60	60	70
special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25	25	25
35186	31183	35186	30545	35099	30081
21.8	27	32.3	46.6	54.4	74
9.2*	11.4*	13.6*	19.6*	22.9*	31.2*
97	119.8	119.8	172.5	172.5	234.8
54*	71*	60*	100*	88*	126*
8.86		10.63		12.4	
32.09/20.87	24.21/20.28	37.99/21.85	25.2/20.87	41.93/20.87	27.95/20.28
36.22/25	28.35/24.41	42.13/25.98	29.33/25	46.06/25	32.09/24.41
0.79		0.79		0.79	
12.36		12.36		12.36	
154		243		243	
6	6	6	6	6	6

250/630-920		250/630-1600		250/630-2500	
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145					
30	45				
54	71				
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
1.2-17.36					
1.35-17.36					
15.56		15.6		16.6	
23.56x6.3x7.91		25.43x6.3x7.91		26.67x6.3x7.91	
6.5/38.39	14.17/38.39	21.73/63.66	34.72/63.66	37.05/82.87	50.98/82.87

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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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

Technical Data EI-Exis SP 300/720

Sumitomo (SHI) Demag

Model description

International size description

Clamp Unit

Clamp force / Locking force [Ton]

Clamp stroke, max. [in]

Mold height, min./WA211 [in]

Mold height, max. (std./opt.) [in]

Open Daylight, max. (std./enl.) [in]

Platen size (h x v) [in]

Distance between tie bars (h x v) [in]

Min. permissible mold diameter (k) [in]

Max mould weight / mov./ fixed [kg]

Ejection stroke [in]

Ejection force / Retraction force [Ton]

Injection unit

Screw diameter [mm]

Screw geometry

L/D ratio

Spec. injection pressure (up to 400°C) [psi]

Cylinder head volume, max. [in³]

Max. shot weight (PS, PE*) [oz]

Max. rate of injection

> With accumulator [in³/s]

Plasticizing rate (PS, PE*) [g/sec]

Max. screw stroke [in]

Max. distance of nozzle retraction ³⁾ [in]

Max. distance of nozzle retraction ZE372 [in]

Max. nozzle dipping depth (WA650) [in]

Nozzle contact force [Ton]

Number of heating zones

General data

Oil tank capacity ⁴⁾ [gal]

Installed electrical rating

> Pump ⁵⁾ [~kW]

> Electric screw drive (WA313) [~kW]

> clamp unit power [~kW]

> Barrel heating capacity [~kW]

> Total capacity [~kW]

Dry cycle time (Euromap 6) ⁶⁾ [sec-in]

Dry cycles with unlocking time [sec-in]

Net weight (without oil) ⁷⁾ [~Ton]

Transport dimensions (l x w x h) [~ft]

Electric drive projection max. (h) [in]

EI-Exis SP 300/720

EI-Exis SP 300/720-920	EI-Exis SP 300/720-1600	EI-Exis SP 300/720-2500
3000-920	3000-1600	3000-2500

300/720

337.14/370.85

28.74

12.6

28.15/36.22

56.89/64.96

40.94x41.73

28.35x28.35

15.75

4700 ¹⁾/2300/3600

5.91

9.1/4.5

920		1600		2500	
45	50	50	60	60	70
special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25	25	25
35186	31183	35186	30545	35099	30081
21.8	27	32.3	46.6	54.4	74
9.2*	11.4*	13.6*	19.6*	22.9*	31.2*
97	119.8	119.8	172.5	172.5	234.8
54*	71*	60*	100*	88*	126*
8.86		10.63		12.4	
30.71/22.24	22.83/20.87	37.01/21.46	24.21/20.47	43.31/22.24	29.33/21.65
34.84/26.38	26.97/25	41.14/25.59	28.35/24.61	47.44/26.38	33.46/25.79
0.79		0.79		0.79	
12.36		12.36		12.36	
6	6	6	6	6	6

45 50 50 60 60 70

special ²⁾ special ²⁾ special ²⁾ special ²⁾ special ²⁾ special ²⁾

25 25 25 25 25 25

35186 31183 35186 30545 35099 30081

21.8 27 32.3 46.6 54.4 74

9.2* 11.4* 13.6* 19.6* 22.9* 31.2*

97 119.8 119.8 172.5 172.5 234.8

54* **71*** **60*** **100*** **88*** **126***

8.86 10.63 12.4

30.71/22.24 22.83/20.87 37.01/21.46 24.21/20.47 43.31/22.24 29.33/21.65

34.84/26.38 26.97/25 41.14/25.59 28.35/24.61 47.44/26.38 33.46/25.79

0.79 0.79 0.79

12.36 12.36 12.36

6 6 6 6 6 6

300/720-920		300/720-1600		300/720-2500	
		145			
30		30		45	
54.0		57.9		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
		1.35-19.84			
		1.55-19.84			
17.94		18.55		19.21	
24.77x6.59x8.43		26.64x6.59x8.43		27.89x6.59x8.43	
6.5/37.01	14.17/37.01	21.73/62.68	34.72/62.68	37.05/84.29	50.98/84.29

300/720-920		300/720-1600		300/720-2500	
		145			
30		30		45	
54.0		57.9		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
		1.35-19.84			
		1.55-19.84			
17.94		18.55		19.21	
24.77x6.59x8.43		26.64x6.59x8.43		27.89x6.59x8.43	
6.5/37.01	14.17/37.01	21.73/62.68	34.72/62.68	37.05/84.29	50.98/84.29

145

30 30 45

54.0 57.9 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

1.35-19.84

1.55-19.84

17.94 18.55 19.21

24.77x6.59x8.43 26.64x6.59x8.43 27.89x6.59x8.43

6.5/37.01 14.17/37.01 21.73/62.68 34.72/62.68 37.05/84.29 50.98/84.29

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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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

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

Sumitomo (SHI) Demag

Model description	
International size description	

Clamp Unit

Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection stroke AWH forced (optional)	[in]
Ejection force / Retraction force	[Ton]
Ejection force AWH forced (optional)	[Ton]

Injection unit

Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in³/s]
Plastisizing rate (PS, PE*)	[g/sec]
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	

General data

Oil tank capacity ⁴⁾	[gal]
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Installed electrical rating

> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 350/820			
EI-Exis SP 350/820-1600		EI-Exis SP 350/820-2500	
3500-1600		3500-2500	
350/820			
		393.33/432.66	
		30.31	
		13.78	
		31.3/40.16	
		61.61/70.47	
		47.24x47.24	
		32.28x32.28	
		16.54	
		6600 ^{1)/3240/5100}	
		7.09	
		7.09	
		11.91/5.17	
		26.75/14.83	
1600		2500	
50	60	60	70
special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25
35186	30545	35099	30081
32.3	46.6	54.4	74
13.6*	19.6*	22.9*	31.2*
119.8	172.5	172.5	234.8
60*	100*	88*	126*
10.63		12.4	
39.37/25.59	26.57/24.61	43.5/24.61	29.53/24.02
43.5/29.72	30.71/28.74	47.64/28.74	33.66/28.15
0.79		0.79	
12.36		12.36	
6	6	6	6
350/820-1600		350/820-2500	
		201	
30		45	
57.9		71	
47		47	
23.0	28.6	28.6	32.9
157.9	163.5	193.1	197.4
		1.45-22.6	
		1.65-22.6	
25.04		25.47	
27.76x7.25x9.12		29.2x7.25x9.12	
0/33.23	5.43/33.23	7.76/55.16	21.69/55.16

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Plastisizing rate depends on processing conditions and material employed.

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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

2) 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) Standard/twin pump (WA109)

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

Technical Data EI-Exis SP 350/820-3000

Sumitomo (SHI) Demag

Model description
International size description

Clamp Unit

Clamp force / Locking force [Ton]
Clamp stroke, max. [in]
Mold height, min./WA211 [in]
Mold height, max. (std./opt.) [in]
Open Daylight, max. (std./enl.) [in]
Platen size (h x v) [in]
Distance between tie bars (h x v) [in]
Min. permissible mold diameter (k) [in]
Max mould weight / mov./ fixed [kg]
Ejection stroke [in]
Ejection stroke AWH forced (optional) [in]
Ejection force / Retraction force [Ton]
Ejection force AWH forced (optional) [Ton]

Injection unit

Screw diameter [mm]
Screw geometry
L/D ratio
Spec. injection pressure (up to 400°C) [psi]
Cylinder head volume, max. [in³]
Max. shot weight (PS, PE*) [oz]

Max. rate of injection

> With accumulator [in³/s]

Plastizising rate (PS, PE*) [g/sec]

Max. screw stroke [in]
Max. distance of nozzle retraction ³⁾ [in]
Max. distance of nozzle retraction ZE372 [in]
Max. nozzle dipping depth (WA650) [in]
Nozzle contact force [Ton]
Number of heating zones

General data

Oil tank capacity ⁴⁾ [gal]

Installed electrical rating

> Pump ⁵⁾ [~kW]
> Electric screw drive (WA313) [~kW]
> clamp unit power [~kW]
> Barrel heating capacity [~kW]
> Total capacity [~kW]
Dry cycle time (Euromap 6) ⁶⁾ [sec-in]
Dry cycles with unlocking time [sec-in]
Net weight (without oil) ⁷⁾ [~Ton]
Transport dimensions (l x w x h) [~ft]
Electric drive projection max. (h) [in]

EI-Exis SP 350/820

EI-Exis SP 350/820-3000
3500-3000

350/820

393.33/432.66
30.31
13.78
31.3/40.16
61.61/70.47
47.24x47.24
32.28x32.28
16.54
6600 ¹⁾/3240/5100
7.09
7.09
11.91/5.17
26.75/14.83

3000

70	80
special ²⁾	special ²⁾
23	24
35273	29747
56.4	73.6
23.8*	31.1*
234.8	276.1
108*	150*
	9.45
27.76/23.43	24.33/22.52
22.44/18.11	19.02/17.2
	0.79
	12.36
	7

350/820-3000

201
55
96.9
47
31.3
43.3
230.2
242.2
1.45-22.6
1.65-22.6
20.27/10.42/30.68 ⁸⁾
15.09/17.09 ⁹⁾x7.45/9.12 ⁹⁾x9.12
0/22.72
10.98/35.31

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

2) 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) Standard/twin pump (WA109)

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

8) CU/II/total

9) CU/II

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

Sumitomo (SHI) Demag

Model description	
International size description	

Clamp Unit

Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection stroke AWH forced (optional)	[in]
Ejection force / Retraction force	[Ton]
Ejection force AWH forced (optional)	[Ton]

Injection unit

Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in³]
Max. shot weight (PS, PE*)	[oz]

Max. rate of injection

> With accumulator	[in³/s]
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Plasticising rate (PS, PE*) [g/sec]

Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	

General data

Oil tank capacity ⁴⁾	[gal]
---------------------------------	-------

Installed electrical rating

> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 350/820

EI-Exis SP 350/820-4200	EI-Exis SP 350/820-6300
3500-4200	3500-6300

350/820

393.33/432.66	
30.31	
13.78	
31.3/40.16	
61.61/70.47	
47.24x47.24	
32.28x32.28	
16.54	
6600 ^{1)/3240/5100}	
7.09	
7.09	
11.91/5.17	
26.75/14.83	

4200 6300

80	95	95	110
special ²⁾	special ²⁾	special ²⁾	special ²⁾
24	24	24	24
34679	30371	35302	29095
87.4	123.3	142.7	191.4
36.9*	52*	60.2*	80.7*
276.1	346	346	405.9
125*	200*	173*	229*
11.22		12.99	
29.33/22.52	24.29/22.09	32.48/22.09	24.33/21.5
34.65/27.83	29.61/27.4	37.8/27.4	29.65/26.81
0.79		0.79	
12.36		12.36	
7	7	7	8

350/820-4200 350/820-6300

201			
55	55		
90.0	115.0		
47	47		
43.3	60.0	60.0	79.8
235.3	252.0	277.0	296.8
	1.45-22.6		
	1.65-22.6		
20.27/12.15/32.42 ⁸⁾		20.27/13.89/34.15 ⁸⁾	
15.09/18.28 ⁹⁾ x7.45/7.51 ⁹⁾ x9.12		15.09/20.83 ⁹⁾ x7.45/7.51 ⁹⁾ x9.12	
0/11.61	2.09/26.38	0/207	1.22/25.47

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

2) 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) Standard/twin pump (WA109)

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

8) CU/IIU/total

9) CU/IIU

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

Sumitomo (SHI) Demag

Model description	
International size description	

Clamp Unit

Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection stroke AWH forced (optional)	[in]
Ejection force / Retraction force	[Ton]
Ejection force AWH forced (optional)	[Ton]

Injection unit

Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in³]
Max. shot weight (PS, PE*)	[oz]

Max. rate of injection

> With accumulator	[in³/s]
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Plasticising rate (PS, PE*) [g/sec]

Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	

General data

Oil tank capacity ⁴⁾	[gal]
---------------------------------	-------

Installed electrical rating

> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 420/820

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

420/820

472/519.2	
30.31	
13.78	
31.3/40.16	
61.61/70.47	
47.24x47.24	
32.28x32.28	
16.54	
6600 ¹⁾ /3240/5100	
7.09	
7.09	
11.91/5.17	
26.75/14.83	

1600 2500

50	60	60	70
special ²⁾	special ²⁾	special ²⁾	special ²⁾
25	25	25	25
35186	30545	35099	30081
32.3	46.6	54.4	74
13.6*	19.6*	22.9*	31.2*
119.8	172.5	172.5	234.8
60*	100*	88*	126*
10.63		12.4	
39.37/25.59	26.57/24.61	43.5/24.61	29.53/24.02
43.5/29.72	30.71/28.74	47.64/28.74	33.66/28.15
0.79		0.79	
12.36		12.36	
6	6	6	6

420/820-1600 420/820-2500

201			
30	45		
57.9	71		
47	47		
23.0	28.6	28.6	32.9
157.9	163.5	193.1	197.4
1.50-22.6			
1.70-22.6			
25.04	25.47		
27.76x7.25x9.12	29.2x7.25x9.12		
0/33.23	5.43/33.23	7.76/55.16	21.69/55.16

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

2) 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) Standard/twin pump (WA109)

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

Technical Data EI-Exis SP 420/820-3000

Sumitomo (SHI) Demag	
Model description	
International size description	
Clamp Unit	
Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection stroke AWH forced (optional)	[in]
Ejection force / Retraction force	[Ton]
Ejection force AWH forced (optional)	[Ton]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in ³ /s]
Plastizising rate (PS, PE*)	[g/sec]
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	
General data	
Oil tank capacity ⁴⁾	[gal]
Installed electrical rating	
> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 420/820		
EI-Exis SP 420/820-3000		
4200-3000		
420/820		
472/519.2		
30.31		
13.78		
31.3/40.16		
61.61/70.47		
47.24x47.24		
32.28x32.28		
16.54		
6600 ¹⁾ /3240/5100		
7.09		
7.09		
11.91/5.17		
26.75/14.83		
3000		
70		80
special ²⁾		special ²⁾
23		24
35143		29747
56.4		73.6
23.8*		31.1*
234.8		276.1
108*		150*
	9.45	
27.76/23.43		24.33/22.52
22.44/18.11		19.02/17.2
	0.79	
	12.36	
7		7
420/820-3000		
201		
55		
96.9		
47		
31.3		43.3
230.1		242.1
1.50-22.6		
1.70-22.6		
20.27/10.42/30.68 ⁸⁾		
15.09/17.09 ⁹⁾ x7.45/9.12 ⁹⁾ x9.12		
0/22.72		10.98/35.31

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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

8) CU/IIU/total

9) CU/IIU

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

Sumitomo (SHI) Demag

Model description	
International size description	

Clamp Unit

Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection stroke AWH forced (optional)	[in]
Ejection force / Retraction force	[Ton]
Ejection force AWH forced (optional)	[Ton]

Injection unit

Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in ³ /s]
Plastizing rate (PS, PE*)	[g/sec]
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	

General data

Oil tank capacity ⁴⁾	[gal]
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Installed electrical rating

> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 420/820			
EI-Exis SP 420/820-4200		EI-Exis SP 420/820-6300	
4200-4200		4200-6300	
420/820			
		472/519.2	
		30.31	
		13.78	
		31.3/40.16	
		61.61/70.47	
		47.24x47.24	
		32.28x32.28	
		16.54	
		6600 ¹⁾ /3240/5100	
		7.09	
		7.09	
		11.91/5.17	
		26.75/14.83	
4200		6300	
80	95	95	110
special ²⁾	special ²⁾	special ²⁾	special ²⁾
24	24	24	23
34679	30371	35302	29095
87.4	123.3	142.7	191.4
36.9*	52*	60.2*	80.7*
> With accumulator	276.1	346	405.9
Plastizing rate (PS, PE*)	125*	200*	173*
Max. screw stroke	11.22	12.99	
Max. distance of nozzle retraction ³⁾	29.33/22.52	24.29/22.09	32.48/22.09
Max. distance of nozzle retraction ZE372	34.65/27.83	29.61/27.4	37.8/27.4
Max. nozzle dipping depth (WA650)	0.79	0.79	
Nozzle contact force	12.36	12.36	
Number of heating zones	7	7	8
420/820-4200		420/820-6300	
		201	
> Pump ⁵⁾	55	55	
> Electric screw drive (WA313)	90	115.0	
> clamp unit power	47	47	
> Barrel heating capacity	43.3	60.0	79.8
> Total capacity	235.3	252.0	277.0
Dry cycle time (Euromap 6) ⁶⁾	1.50-22.6		
Dry cycles with unlocking time	1.70-22.6		
Net weight (without oil) ⁷⁾	20.27/12.15/32.42 ⁸⁾		20.27/13.89/34.15 ⁸⁾
Transport dimensions (l x w x h)	15.09/18.28 ⁹⁾ x7.45/9.12 ⁹⁾ x9.12		15.09/20.83 ⁹⁾ x7.45/9.12 ⁹⁾ x9.12
Electric drive projection max. (h)	0/11.61	2.09/26.38	0/207
			1.22/25.47

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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

8) CU/IU/total

9) CU/IU

Technical Data EI-Exis SP 450/920-2500

Sumitomo (SHI) Demag	EI-Exis SP 450/920	
Model description	EI-Exis SP 450/920-2500	
International size description	4500-2500	
Clamp Unit	450/920	
Clamp force / Locking force [Ton]	505.71/556.28	
Clamp stroke, max. [in]	33.46	
Mold height, min./WA211 [in]	14.17	
Mold height, max. (std./opt.) [in]	34.65/43.7	
Open Daylight, max. (std./enl.) [in]	68.11/77.17	
Platen size (h x v) [in]	51.18x51.18	
Distance between tie bars (h x v) [in]	36.22x36.22	
Min. permissible mold diameter (k) [in]	16.54	
Max mould weight / mov./ fixed [kg]	8700 ¹⁾ /4305/6700	
Ejection stroke [in]	7.87	
Ejection force / Retraction force [Ton]	11.91/5.17	
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) [psi]	35099	30081
Cylinder head volume, max. [in ³]	54.4	74
Max. shot weight (PS, PE*) [oz]	22.9*	31.2*
Max. rate of injection		
> With accumulator [in ³ /s]	172.5	234.8
Plastizising rate (PS, PE*) [g/sec]	88*	126*
Max. screw stroke [in]	12.4	
Max. distance of nozzle retraction ³⁾ [in]	35.24/27.72	21.3/21.3
Max. distance of nozzle retraction ZE372 [in]	39.37/31.85	25.43/25.43
Max. nozzle dipping depth (WA650) [in]	0.79	
Nozzle contact force [Ton]	12.36	
Number of heating zones	6	6
General data	450/920-2500	
Oil tank capacity ⁴⁾ [gal]	201	
Installed electrical rating		
> Pump ⁵⁾ [~kW]	45	
> Electric screw drive (WA313) [~kW]	71	
> clamp unit power [~kW]	83.7	
> Barrel heating capacity [~kW]	28.6	32.9
> Total capacity [~kW]	229.8	234.1
Dry cycle time (Euromap 6) ⁶⁾ [sec-in]	1.55-25.35	
Dry cycles with unlocking time [sec-in]	1.80-25.35	
Net weight (without oil) ⁷⁾ [~Ton]	23.32/7.18/30.49 ⁸⁾	
Transport dimensions (l x w x h) [~ft]	15.09/16.01 ⁹⁾ x7.74/7.51 ⁹⁾ x9.48	
Electric drive projection max. (h) [in]	0/24.25	2.95/24.25

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

2) 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) Standard/twin pump (WA109)

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

8) CU/IU/total

9) CU/IU

Technical Data EI-Exis SP 450/920-3000

Sumitomo (SHI) Demag		EI-Exis SP 450/920	
Model description		EI-Exis SP 450/920-3000	
International size description		4500-3000	
Clamp Unit		450920	
Clamp force / Locking force	[Ton]	505.71/556.28	
Clamp stroke, max.	[in]	33.46	
Mold height, min./WA211	[in]	14.17	
Mold height, max. (std./opt.)	[in]	34.65/43.31	
Open Daylight, max. (std./enl.)	[in]	69.29/77.17	
Platen size (h x v)	[in]	51.18x51.18	
Distance between tie bars (h x v)	[in]	36.22x36.22	
Min. permissible mold diameter (k)	[in]	16.54	
Max mould weight / mov./ fixed	[kg]	8700 ¹⁾ /4305/6700	
Ejection stroke	[in]	7.87	
Ejection force / Retraction force	[Ton]	11.91/5.17	
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)	[psi]	35273	29747
Cylinder head volume, max.	[in ³]	56.4	73.6
Max. shot weight (PS, PE*)	[oz]	23.8*	31.1*
Max. rate of injection			
> With accumulator	[in ³ /s]	234.8	276.1
Plasticizing rate (PS, PE*)	[g/sec]	108*	150*
Max. screw stroke	[in]	9.45	
Max. distance of nozzle retraction ³⁾	[in]	29.72/25.31	26.3/24.41
Max. distance of nozzle retraction ZE372	[in]	24.41/20	20.98/19.09
Max. nozzle dipping depth (WA650)	[in]	0.79	
Nozzle contact force	[Ton]	12.36	
Number of heating zones		7	7
General data		450/920-3000	
Oil tank capacity ⁴⁾	[gal]	201	
Installed electrical rating			
> Pump ⁵⁾	[~kW]	55	
> Electric screw drive (WA313)	[~kW]	96.9	
> clamp unit power	[~kW]	83.7	
> Barrel heating capacity	[~kW]	31.3	43.3
> Total capacity	[~kW]	266.9	278.8
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]	1.55-25.35	
Dry cycles with unlocking time	[sec-in]	1.80-25.35	
Net weight (without oil) ⁷⁾	[~Ton]	23.32/10.42/33.73 ⁸⁾	
Transport dimensions (l x w x h)	[~ft]	15.09/17.13 ⁹⁾ x7.74/7.51 ⁹⁾ x9.48	
Electric drive projection max. (h)	[in]	0/22.87	3.58/35.2

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

Plasticizing 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

2) 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) Standard/twin pump (WA109)

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

8) CU/IU/total

9) CU/IU

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

Sumitomo (SHI) Demag	
Model description	
International size description	
Clamp Unit	
Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection force / Retraction force	[Ton]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in ³ /s]
Plastizising rate (PS, PE*) [g/sec]	
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Number of heating zones	
General data	
Oil tank capacity ⁴⁾	[gal]
Installed electrical rating	
> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 450/920			
EI-Exis SP 450/920-4200		EI-Exis SP 450/920-6300	
4500-4200		4500-6300	
450/920			
		505.71/556.28	
		33.46	
		14.17	
		34.65/43.7	
		68.11/77.17	
		51.18x51.18	
		36.22x36.22	
		16.54	
		8700 ¹⁾ /4305/6700	
		7.87	
		11.91/5.17	
4200		6300	
80	95	95	110
special ²⁾	special ²⁾	special ²⁾	special ²⁾
24	24	24	23
34679	30371	35302	29095
87.4	123.3	142.7	191.4
36.9*	52*	60.2*	80.7*
276.1	346	346	405.9
125*	200*	173*	229*
	11.22		12.99
31.3/24.41	26.26/23.98	34.45/23.98	26.3/23.39
36.61/29.72	31.57/29.29	39.76/29.29	31.61/28.7
	0.79		0.79
	12.36		12.36
7	7	7	8
450/920-4200		450/920-6300	
		193	
		55	
		115.0	
		83.7	
43.3	60.0	60.0	79.8
272.0	288.7	313.7	333.5
		1.55-25.35	
		1.80-25.35	
23.32/12.15/35.47 ⁸⁾		23.32/13.89/37.2 ⁸⁾	
15.09/18.31 ⁹⁾ x7.74/7.51 ⁹⁾ x9.48		15.09/20.87 ⁹⁾ x7.74/7.51 ⁹⁾ x9.48	
0/11.77	0.28/60.284	0/8.31	1.22/25.55

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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

2) 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) Standard/twin pump (WA109)

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

8) CU/IIU/total

9) CU/IIU

Technical Data EI-Exis SP 580/1020-3000

Sumitomo (SHI) Demag		EI-Exis SP 580/1020	
Model description		EI-Exis SP 580/1020-3000	
International size description		5800-3000	
Clamp Unit		580/1020	
Clamp force / Locking force	[Ton]	651.8/716.98	
Clamp stroke, max.	[in]	36.61	
Mold height, min./WA211	[in]	14.57	
Mold height, max. (std./opt.)	[in]	37.01/46.06	
Open Daylight, max. (std./enl.)	[in]	73.62/82.68	
Platen size (h x v)	[in]	57.09x57.87	
Distance between tie bars (h x v)	[in]	40.16x40.16	
Min. permissible mold diameter (k)	[in]	19.69	
Max mould weight / mov./ fixed	[kg]	11200 ¹⁾ /5330/8600	
Ejection stroke	[in]	8.66	
Ejection force / Retraction force	[Ton]	18.54/9.44	
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)	[psi]	35273	29747
Cylinder head volume, max.	[in ³]	56.4	73.6
Max. shot weight (PS, PE*)	[oz]	23.8*	31.1*
Max. rate of injection			
> With accumulator	[in ³ /s]	234.8	276.1
Plastizising rate (PS, PE*)	[g/sec]	108*	150*
Max. screw stroke	[in]	9.45	
Max. distance of nozzle retraction ³⁾	[in]	32.68/28.54	29.25/27.64
Max. distance of nozzle retraction ZE372	[in]	37.99/33.86	34.57/32.95
Max. nozzle dipping depth (WA650)	[in]	0.79	
Nozzle contact force	[Ton]	12.36	
Number of heating zones		7	7
General data		580/1020-3000	
Oil tank capacity ⁴⁾	[gal]	201	
Installed electrical rating			
> Pump ⁵⁾	[~kW]	55	
> Electric screw drive (WA313)	[~kW]	96.9	
> clamp unit power	[~kW]	83.7	
> Barrel heating capacity	[~kW]	31.3	43.3
> Total capacity	[~kW]	266.9	278.9
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]	1.85-28.11	
Dry cycles with unlocking time	[sec-in]	2.10-28.11	
Net weight (without oil) ⁷⁾	[~Ton]	33.99/10.42/44.41 ⁸⁾	
Transport dimensions (l x w x h)	[~ft]	16.41/17.06 ⁹⁾ x8.27/7.51 ⁹⁾ x9.74	
Electric drive projection max. (h)	[in]	0/22.6	0/35.2

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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

2) 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) Standard/twin pump (WA109)

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

8) CU/IU/total

9) CU/IU

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

Sumitomo (SHI) Demag		El-Exis SP 580/1020			
Model description		El-Exis SP 580/1020-4200		El-Exis SP 580/1020-6300	
International size description		5800-4200		5800-6300	
Clamp Unit		580/1020			
Clamp force / Locking force	[Ton]	65.18/716.98			
Clamp stroke, max.	[in]	36.61			
Mold height, min./WA211	[in]	14.57			
Mold height, max. (std./opt.)	[in]	37.01/46.06			
Open Daylight, max. (std./enl.)	[in]	73.62/82.68			
Platen size (h x v)	[in]	57.09x57.87			
Distance between tie bars (h x v)	[in]	40.16x40.16			
Min. permissible mold diameter (k)	[in]	19.69			
Max mould weight / mov./ fixed	[kg]	11200 ¹⁾ /5330/8600			
Ejection stroke	[in]	8.66			
Ejection force / Retraction force	[Ton]	18.54/9.44			
Injection unit		4200		6300	
Screw diameter	[mm]	80	95	95	110
Screw geometry		special ²⁾	special ²⁾	special ²⁾	special ²⁾
L/D ratio		24	24	24	23
Spec. injection pressure (up to 400°C)	[psi]	34679	30371	35302	29095
Cylinder head volume, max.	[in ³]	87.4	123.3	142.7	191.4
Max. shot weight (PS, PE*)	[oz]	36.9*	52*	60.2*	80.7*
Max. rate of injection					
> With accumulator	[in ³ /s]	276.1	346	346	405.9
Plasticizing rate (PS, PE*)		[g/sec]		[g/sec]	
Max. screw stroke	[in]	11.22		12.99	
Max. distance of nozzle retraction ³⁾	[in]	34.25/27.64	29.21/27.2	37.4/27.2	29.25/26.61
Max. distance of nozzle retraction ZE372	[in]	39.57/32.95	34.53/32.52	42.72/32.52	34.57/31.93
Max. nozzle dipping depth (WA650)	[in]	0.79		0.79	
Nozzle contact force	[Ton]	12.36		12.36	
Number of heating zones		7	7	7	8
General data		580/1020-4200		580/1020-6300	
Oil tank capacity ⁴⁾	[gal]	193			
Installed electrical rating					
> Pump ⁵⁾	[~kW]	55		55	
> Electric screw drive (WA313)	[~kW]	90.0		115.0	
> clamp unit power	[~kW]	83.7		83.7	
> Barrel heating capacity	[~kW]	43.3	60.0	60.0	79.8
> Total capacity	[~kW]	272.0	288.7	313.7	333.5
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]	1.85-28.11			
Dry cycles with unlocking time	[sec-in]	2.10-28.11			
Net weight (without oil) ⁷⁾	[~Ton]	33.99/12.15/46.14 ⁸⁾		33.99/13.89/47.88 ⁸⁾	
Transport dimensions (l x w x h)	[~ft]	16.41/18.24 ⁹⁾ x8.27/9.58 ⁹⁾ x9.74		16.41/20.83 ⁹⁾ x8.27/7.51 ⁹⁾ x9.74	
Electric drive projection max. (h)	[in]	0/11.5	0/26.26	0/204	0/25.35

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Plasticizing 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

2) 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) Standard/twin pump (WA109)

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

8) CU/IIU/total

9) CU/IIU

Technical Data EI-Exis SP 750/1120-3000

Sumitomo (SHI) Demag		EI-Exis SP 750/1120	
Model description		EI-Exis SP 750/1120-3000	
International size description		7500-3000	
Clamp Unit		750/1120	
Clamp force / Locking force	[Ton]	842.85/927.14	
Clamp stroke, max.	[in]	40.55	
Mold height, min./WA211	[in]	15.75	
Mold height, max. (std./opt.)	[in]	40.16/49.21	
Open Daylight, max. (std./enl.)	[in]	80.71/89.76	
Platen size (h x v)	[in]	63.78x63.78	
Distance between tie bars (h x v)	[in]	44.09x44.09	
Min. permissible mold diameter (k)	[in]	27.56	
Max mould weight / mov./ fixed	[kg]	14000 ¹⁾ /5165/10800	
Ejection stroke	[in]	10.63	
Ejection force / Retraction force	[Ton]	24.5/12.7	
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)	[psi]	35273	29747
Cylinder head volume, max.	[in ³]	56.4	73.6
Max. shot weight (PS, PE*)	[oz]	23.8*	31.1*
Max. rate of injection			
> With accumulator	[in ³ /s]	234.8	276.1
Plasticizing rate (PS, PE*)		108*	150*
Max. screw stroke	[in]	9.45	
Max. distance of nozzle retraction ³⁾	[in]	35.04/30.91	31.61/30
Max. distance of nozzle retraction ZE372	[in]	40.35/36.22	36.93/35.31
Max. nozzle dipping depth (WA650)	[in]	0.79	
Nozzle contact force	[Ton]	12.36	
Heating capacity	[kW]	7	7
General data		750/1120-3000	
Oil tank capacity ⁴⁾	[gal]	201	
Installed electrical rating			
> Pump ⁵⁾	[~kW]	55	
> Electric screw drive (WA313)	[~kW]	96.9	
> clamp unit power	[~kW]	90	
> Barrel heating capacity	[~kW]	31.3	43.3
> Total capacity	[~kW]	273.2	285.2
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]	2.00-30.87	
Dry cycles with unlocking time	[sec-in]	2.25-30.87	
Net weight (without oil) ⁷⁾	[~Ton]	43.54/10.42/53.95 ⁸⁾	
Transport dimensions (l x w x h)	[~ft]	18.24/16.41 ⁹⁾ x8.96/7.51 ⁹⁾ x10.07	
Electric drive projection max. (h)	[in]	0/22.52	3.58/35.12

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Plasticizing rate depends on processing conditions and material employed.

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

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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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

8) CU/IIU/total

9) CU/IIU

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

Sumitomo (SHI) Demag	
Model description	
International size description	
Clamp Unit	
Clamp force / Locking force	[Ton]
Clamp stroke, max.	[in]
Mold height, min./WA211	[in]
Mold height, max. (std./opt.)	[in]
Open Daylight, max. (std./enl.)	[in]
Platen size (h x v)	[in]
Distance between tie bars (h x v)	[in]
Min. permissible mold diameter (k)	[in]
Max mould weight / mov./ fixed	[kg]
Ejection stroke	[in]
Ejection force / Retraction force	[Ton]
Injection unit	
Screw diameter	[mm]
Screw geometry	
L/D ratio	
Spec. injection pressure (up to 400°C)	[psi]
Cylinder head volume, max.	[in ³]
Max. shot weight (PS, PE*)	[oz]
Max. rate of injection	
> With accumulator	[in ³ /s]
Plastizing rate (PS, PE*)	
	[g/sec]
Max. screw stroke	[in]
Max. distance of nozzle retraction ³⁾	[in]
Max. distance of nozzle retraction ZE372	[in]
Max. nozzle dipping depth (WA650)	[in]
Nozzle contact force	[Ton]
Heating capacity	[kW]
General data	
Oil tank capacity ⁴⁾	[gal]
Installed electrical rating	
> Pump ⁵⁾	[~kW]
> Electric screw drive (WA313)	[~kW]
> clamp unit power	[~kW]
> Barrel heating capacity	[~kW]
> Total capacity	[~kW]
Dry cycle time (Euromap 6) ⁶⁾	[sec-in]
Dry cycles with unlocking time	[sec-in]
Net weight (without oil) ⁷⁾	[~Ton]
Transport dimensions (l x w x h)	[~ft]
Electric drive projection max. (h)	[in]

EI-Exis SP 750/1120			
EI-Exis SP 750/1120-4200		EI-Exis SP 750/1120-6300	
7500-4200		7500-6300	
750/1120			
		842.85/927.14	
		40.55	
		15.75	
		40.16/49.21	
		80.71/89.76	
		63.78x63.78	
		44.09x44.09	
		27.56	
		14000 ^{1)/5165/10800}	
		10.63	
		24.5/12.7	
4200		6300	
80	95	95	110
special ²⁾	special ²⁾	special ²⁾	special ²⁾
24	24	24	23
34679	30371	35302	29095
87.4	123.3	142.7	191.4
36.9*	52*	60.2*	80.7*
276.1	346	346	405.9
125*	200*	173*	229*
	11.22		12.99
36.61/30	31.57/29.57	39.76/29.57	31.61/28.98
41.93/35.31	36.89/34.88	45.08/34.88	36.93/34.29
	0.79		0.79
	12.36		12.36
7	7	7	8
750/1120-4200		750/1120-6300	
193		193	
55		55	
90.0		115.0	
90		90	
43.3	60.0	60.0	79.8
278.3	295.0	320.0	339.8
		2.00-30.87	
		2.25-30.87	
43.54/12.15/55.69 ⁸⁾		43.54/13.89/57.43 ⁸⁾	
18.24/18.77 ⁹⁾ x8.96/7.51 ⁹⁾ x10.07		18.24/20.83 ⁹⁾ x8.96/7.51 ⁹⁾ x10.07	
0/290	0/25.47	0/202	0/25.28

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

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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) First filling / operating

5) WA109

6) Standard/twin pump (WA109)

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

8) CU/IU/total

9) CU/IU

Equipment EI-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	○	○
204 - Mould mounting dimensions in accordance to Euromap, without side ejector plate	●	●
205 - Mould mounting dimensions in accordance to Euromap, with side ejector plate	○	○
207 - Mould mounting dimensions similar to SPI	○	○
2091 - Mould mounting dimensions similar to JIS	○	○
210 - Standard mould height	●	●
211 - Extended mould height	○	○
215 - Mould and ejector movements only when safety gate closed	●	●
2171 - Operating when safety gate is open on non-operator side	○	○
219 - Ejector programmable for simultaneous operation with mould movement	●	●
2192 - Reinforced ejector	○	-
224ff - 1-6 pneumatik 5/2 directional valves, mounted to moving or fixed platen and freely programmable	○	○
228 - Central service unit for pneumatic valves	○	○
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	○	○
237 - Additional ports for 2 core pullers on fixed mould platen	○	○
242 - Cover widened on non-operator side	○	○
243 - Blow through for mould cooling lines; manual	○	○
244ff - Cooling water controller 4, 8, 12 circuits with temperature gauge	○	○
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	○	○
261 - Automatic mould height adjustment	○	○
18 - Moving platen supported by linear guides on machine base	●	●
264 - Manual clamping mechanism for tiebar retraction	○	○
266ff - Hot runner control (number of zones depending on machine size, max. 24)	○	○
275 - Hydraulic control for hot runner nozzles	○	○
276 - Pneumatic hot runner shut off control; 1x 5/2 directional valve	○	○
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"	○	○
295 - Additional manual adjustable control button mould-open-position	○	○

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

Injection unit	150 ... 420	450 ... 750
92 - Regulated parameter for injection speed, pressure, ram pressure and screw speed programmable via profile	○	○
300 - Injection unit horizontal	●	●
313 - Electrical screw motor, frequency-controlled	●	●
320 - Hopper	○	○
322 - Hopper shutoff with emptying capability (with drill pattern for material conveyer)	●	●
341 - Temperature of funnel-zone-cooling regulated; maximum temperature 90°C tolerance	●	●
343 - Injection limitation profile (traverse with 10 stabilization points) with time monitoring	○	○
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	○	○
357 - Holding pressure switchover over extern exit	○	○
355 - Back pressure programmable over screw-back stroke, polygon over 6 stabilisation points	●	●
370 - Melt temperature measuring (only for open nozzles)	○	○
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	○	○
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	○	○
1602 - Socket CEE 3Ph/400V/32A, defeatable over main switch	○	○
161ff - Socket combination integrated, country-specific	○	○
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)	○	○

Functions	150 ... 420	450 ... 750
413 - Simultaneous stamping control	○	○
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	○	○
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	○	○

● Basic equipment

○ Additional price

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

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 for startup 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/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	○	○
461 - Change reason	●	●
462 - Event journal	○	○
471 - factory data capture integrated in machine control	○	○
480 - Help function; integrated control indication over control	●	●
481 - Additional operating language	○	○
486 - Ergosupport: program for faster fault recognition on basic setting/process optimisation and for extended monitoring of process sequence and deviations	○	○
488 - Service page	●	●
489 - Analysis of cycle time	●	●
493 - Two freely programmable sides	●	●
494 - Additional two freely programmable sides	○	○
495 - Integration of extern user interfaces in operator panel with VNC-client (Active Remote)	○	○

Interfaces	150 ... 420	450 ... 750
450 - Inputs / outputs freely programmable; 3 inputs and 3 outputs	○	○
454 - Inputs / outputs freely programmable; 6 inputs and 6 outputs	○	○
510 - Socket for second nozzle heater band	○	○
523 - 50-pin handling device interface conf. to Euromap 67 (VDMA)	○	○
529 - Interface for handling device, version Asia	○	○
528 - Adapter cable for Euromap 67 (50-pole) to Euromap 12 (32-pole) and SPI AN-116 (32-pole)	○	○
532 - Additional controller nozzle 1 circuit	○	○
540 - Interfaces for ejector limit switch in mould, side action with LS and product detection	○	○
541 - Interface for mould protection (ejector plate safety)	●	●
542 - Interface for component ejection monitoring	○	○
544 - Interface for mould safety, side core safety mechanism	○	○
546 - Interface for screw-back unit	○	○
555 - Interface for mould temperature indication, 2 circuits	○	○
552 - CAN-Bus interface for temperature controllers (2 or 4 circuits), Demag-specific signal	○	○
556 - 20 mA interface (TTY-V24) for up to 6 units temperature controllers	○	○
562 - Interface machine status	○	○
563 - Data interface for main computer systems to Euromap 63 and SPI AN-142	○	○
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, cm ³ , mm/s)	●	●
98 - Process control	●	●
122 - Increase of machine bed of 100 mm	○	-
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 separated	●	●
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	○	○
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	○	○
650 - Open nozzle	●	●
665 - Pneumatic shut off nozzle incl. control	●	●

All data and information in this prospectus have been compiled 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.

Practical values of the melt correction factor for use in the calculation of shot weight for some common plastics.	
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 factor x swept volume	
The melt correction factor takes into account the change in volume at process temperature and also includes a factor for the flow characteristics of the shut off device on the end of the screw.	

Certified according to VDA 6.4

NOTE: Specifications subject to change without notice.



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