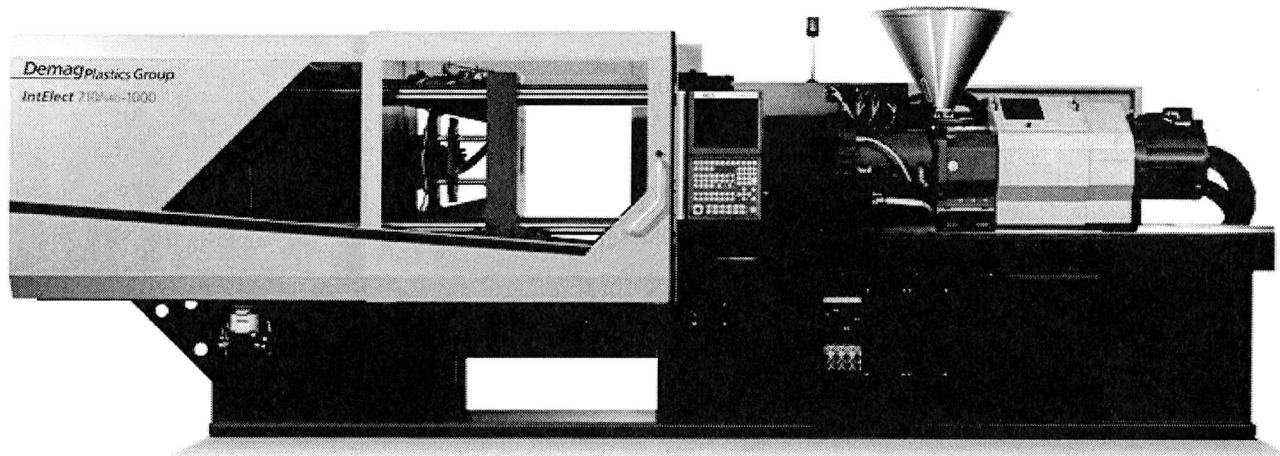


## Documentation

**IntElect 160/520-680**

**Order Number: 66566300**

**Machine No.: 72800378**



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# 1 Technical data

## 1.1 Data sheet

### 1.1.1 Data sheet IntElect 160/520

Type designation		IntElect 160/520-680	
International size code		1600-680	
Clamping unit		160/520	
Clamping force	kN	1600	
Locking force	kN	1760	
Max. mould opening stroke	mm	495	
Min. mould mounting height	mm	275	
Max. mould mounting height	mm	585 (685 <sup>1)</sup> with WA)	
Max. clearance between platens	mm	1080 (1180 <sup>1)</sup> with WA)	
Overall size of platens	h x v	mm	760 x 785
Clearance distance between tie bars	h x v	mm	520 x 520
Max. mould weight	kg	1900	
of which mould weight on the moving platen	kg	1300	
<b>Ejector</b>			
Ejector Stroke	mm	125	
Ejection force	kN	35	
Ejector retraction force	kN	35	

<sup>1)</sup> WA211 mould height increased

Injection unit		680			
Plasticisation barrel		A-1	A	B	C
Screw diameter	mm	35	40	45	50
L / D ratio		20	20	20	20
Specific injection pressure (up to 400°C)	bar	2800 <sup>1)</sup>	2418 <sup>1)</sup>	2150	1740
Cubic capacity, max.	cm <sup>3</sup>	178	251	318	393
Shot weight max. (PS)	g	158	224	283	349
Max. screw-back stroke	mm	185	200	200	200
Max. distance of nozzle retraction	mm	450			
Nozzle dipping depth (WA 650)	mm	20			
Nozzle sealing force	kN	30			
Installed barrel heating	kW	9.4	11.1	11.3	15.7
Material hopper capacity	Ltr.	35	50	50	50
Overall machine		IntElect 160/520-680			
Number of dry cycles according to EUROMAP 6	s-mm	1.3-364			
Net weight <sup>2)</sup>	kg	8000			
Machine dimensions L x W x H	m	see installation plan in chapter 2.4			
Continuous sound pressure level	dB (AS)	62.8 <sup>3)</sup>			

1) With temperature settings above 400°C, the injection pressure is automatically reduced by the control system.

2) Standard machine weight Deviations depending on the equipment are possible.

3) Operator side measured to DIN EN 201 Annex D, see "Safety" chapter



*Maximum injection pressure and maximum injection speed only available separately.*

*Maximum injection pressure and maximum holding pressure are calculated values, drive parameters that are provided, but not melt pressures.*

*Maximum injection pressure and maximum holding pressure are values that cannot be provided continuously.*

*The injection flow is a value based on the standard plasticisation unit. The plasticisation flow depends on the process and material parameters.*

*We reserve the right to make changes of a technical nature without specifying any changes in output.*

*The calculated parameters are based on a mains voltage of 400V; a deviating mains voltage will influence the machine parameters.*

*Extension of injection motor, standard, with nozzle sealing / with maximum travel path of the injection unit.*

*Extension of injection motor, high speed, with nozzle sealing / with maximum travel path of the injection unit.*

*The maximum travel path of the injection unit is only valid for open nozzle (SVO); nozzle lift is shorter in the case of shut-off or extended nozzles.*



## 1.2 Mould mounting dimensions

### 1.2.1 Mould mounting dimensions IntElect 100/520 Smart

#### Mould mounting dimensions IntElect 100/520 Smart Version: Euromap

