

# SPEED & SPEED PACK II

**Euroseries**

**Datasheet**



[chenhsong.com](http://chenhsong.com)  
[chenhsong.eu](http://chenhsong.eu)

## About Chen Hsong

Chen Hsong, established in 1958, is one of the largest manufacturers of injection moulding machines in the world, with annual sales exceeding 20,000 sets.

For over 65 years, Chen Hsong sold to more than 85 countries across the globe, supplying injection moulding machines with clamping force from 20 tons to 6,500 tons. In 1991, Chen Hsong became listed on the Hong Kong Stock Exchange (stock code: 00057). Headquartered in Hong Kong, Chen Hsong operates numerous manufacturing and research facilities in China, including Shenzhen, Shunde, Ningbo and Taiwan, as well as in Japan.

Since 2011 when Chen Hsong and Mitsubishi Plastics Technology of Japan entered into a worldwide strategic partnership, Chen Hsong has been progressively upgrading its internal management, production and quality systems with industry best practices, including TPS (lean manufacturing), M-System (Mitsubishi quality system) and a Japanese “perfect quality” focus towards all R&D, procurement and production activities. For over a decade since then, and leveraging its superior supply chain and production capabilities, Chen Hsong also supplied Mitsubishi, as OEM, with world-renowned “MMX” large-tonnage two-platen injection moulding machines (up to 3,500 tons).

To provide customers with even better peace-of-mind, Chen Hsong insists on being the only fully vertically-integrated maker of injection moulding machines globally, starting from basic ductile iron casting to high-end fabrication and machining, and all major production steps until the completed assembly of each machine. Only through absolute control of each fine step of the manufacturing process would customers be best served with professionalism, quality and perfection.

**65<sup>+</sup>**  
Years of Excellence  
Since 1958

**200<sup>+</sup>**  
Patented technologies

**20<sup>+</sup>**  
Software IP

**20,000**  
Sets / year  
One of the largest producers of injection  
moulding machines in the world

Operates  
**800,000m<sup>2</sup>**  
Production facilities with global presence

Shenzhen



Taiwan



Shunde



Ningbo



## Chen Hsong in Europe

Chen Hsong Europe is headquartered in Germany, with a large stock of ready-to-ship machines and spare parts.

We welcome all enquiries and requests for demonstrations, mould trials, technical support and training.

At Chen Hsong, we hold to the motto of "Think Global, Act Local" as we believe our clients are best served by experts that understand their needs and applications intimately.

That is why Chen Hsong works with a global network of carefully-selected distributors, supported by our European HQ in Germany as well as our global team of engineers.

Chen Hsong distributors not only sell machines, they also provide professional project advice, installation, training, maintenance, spare parts and after-sales technical service.



### European Standards

All Chen Hsong equipment sold in Europe conform strictly to fully-certified CE safety standards.

Stability, reliability, precision and power efficiency are also among the best in its class.

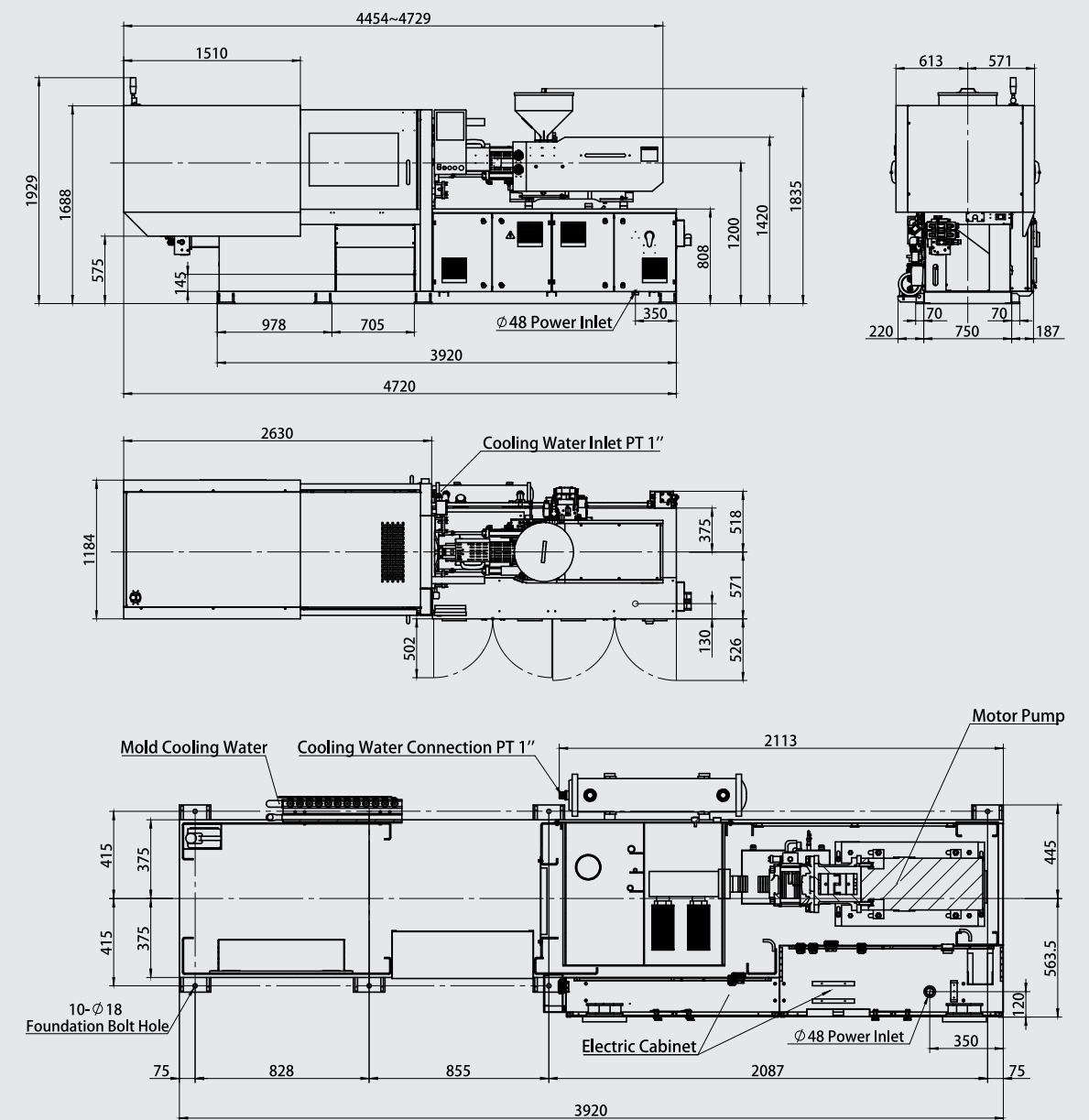
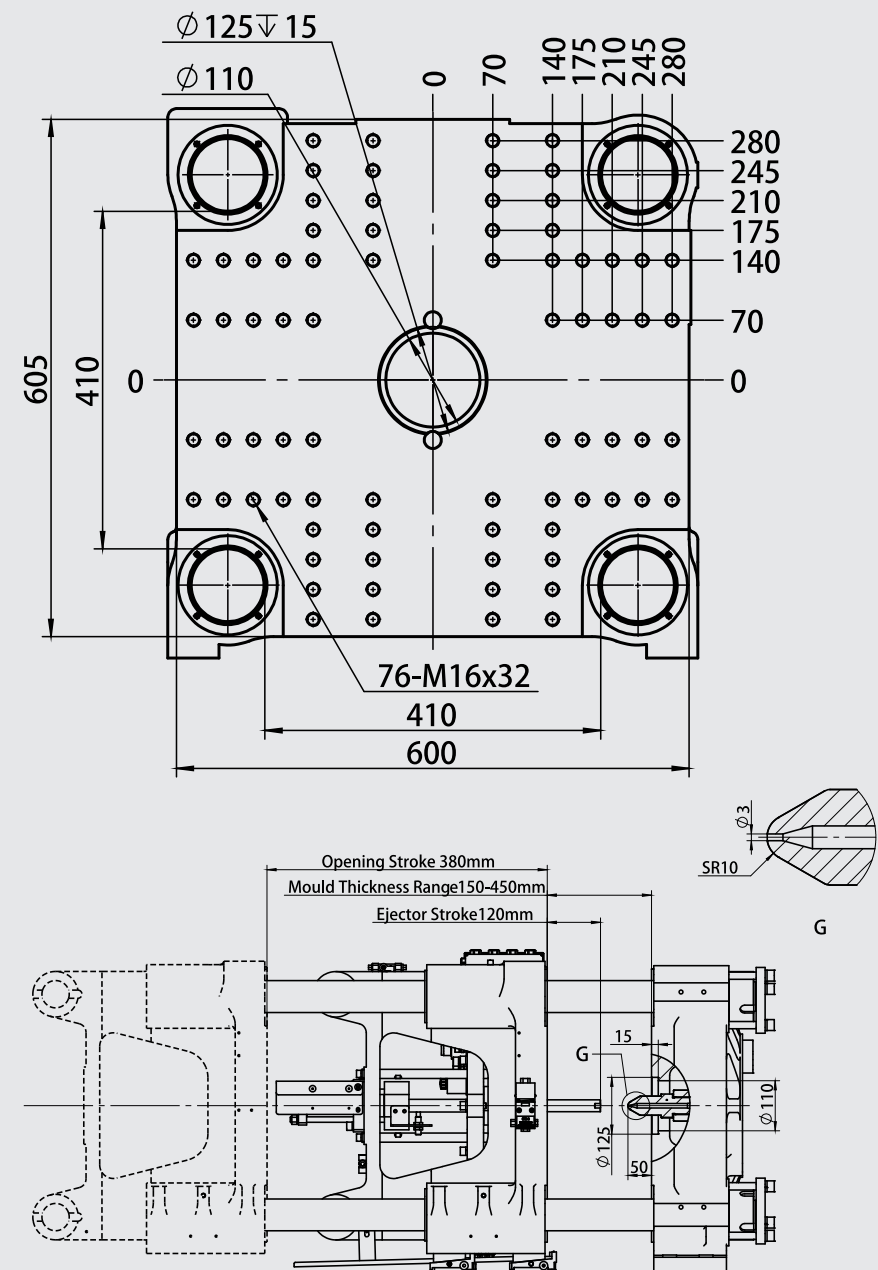
As Europe drives towards its goal of carbon neutrality, Chen Hsong does its part offering only fully-servo-driven equipment with the highest energy efficiency.

SPEED Euroseries

SPECIFICATIONS	UNIT	SPEED-128		SPEED-168		SPEED-208		SPEED-258		SPEED-328		SPEED-398		SPEED-468	
INJECTION UNIT															
Screw Diameter	mm	31	36	36	41	41	46	41	46	46	52	60	67	60	67
Screw L/D	/	24.4	21	23.9	21	23.6	21	23.6	21	23.7	21	23.5	21	23.5	21
Injection Capacity (Theoretical)	cm³	136	183	209	271	304	382	304	382	432	552	947	1181	947	1181
Injection Shot Weight (Max.)	g	124	167	190	246	276	348	276	348	393	502	862	1075	862	1075
Injection Pressure (Max.)	MPa	254.9	189	245.1	189	211.9	168.3	211.9	168.3	241.9	189.3	186.7	149.7	186.7	149.7
Injection Rate (Max.)	cm³/s	226	305	305	396	343	432	343	432	499	637	791	987	791	987
Injection Speed (Max.)	mm/s	300		300		260		260		300		280		280	
Injection Stroke (Max.)	mm	180		205		230		230		260		335		335	
Plasticising Rate (Max.)	g/s	10.7	16.8	16.8	24.8	24.8	30.2	24.8	30.2	30.2	41.7	64.2	103	64.2	103
Screw RPM (Max.)	rpm	300		300		300		300		300		300		300	
Nozzle Contact Force (Max.)	kN	42		42		62		62		62		91		91	
Nozzle Stroke (Max.)	mm	275		290		330		330		380		440		440	
CLAMPING UNIT															
Clamping Force (Max.)	kN	1280		1680		2080		2580		3280		3980		4680	
Clamp Opening Stroke (Max.)	mm	380		450		510		560		660		720		820	
Platen Dimensions (HxV)	mm	600x600		680x680		760x760		840x840		970x970		1040x1040		1160x1160	
Distance Between Tie Bars (HxV)	mm	410x410		470x470		530x530		580x580		680x680		730x730		830x830	
Mold Thickness (Min.-Max.)	mm	150-450		170-520		180-550		190-580		225-680		250-730		300-850	
Max. Daylight	mm	830		970		1060		1140		1340		1450		1670	
Ejector Force (Max.)	kN	34		42		67		67		111		111		166	
Ejector Stroke (Max.)	mm	120		140		150		150		180		215		220	
No. of Ejectors	PCS	1		9		9		9		9		9		17	
Locating Ring Diameter	mm	125		125		160		160		160		160		200	
OTHERS															
System Pressure	MPa	17.5		17.5		17.5		17.5		17.5		17.5		17.5	
Motor Power (Rated)	kW	34		40		40		40		40+34		40+40		40+40	
Barrel Heating Power (Max.)	kW	10.5		13.2		16.5		16.5		21.3		33.8		33.8	
Temperature Control Zones	Zone	3+1		3+1		3+1		3+1		3+1		4+1		4+1	
Machine Dimensions (LxWxH)	m	4.82x1.27x1.83		5.18x1.29x1.87		5.79x1.5x1.97		5.98x1.58x2.01		7.14x1.78x2.09		8.02x1.93x2.28		8.78x2.03x2.29	
Oil Tank Capacity	L	200		250		330		330		580		760		850	
Machine Weight	kg	4000		4940		6800		7800		13200		16700		19800	

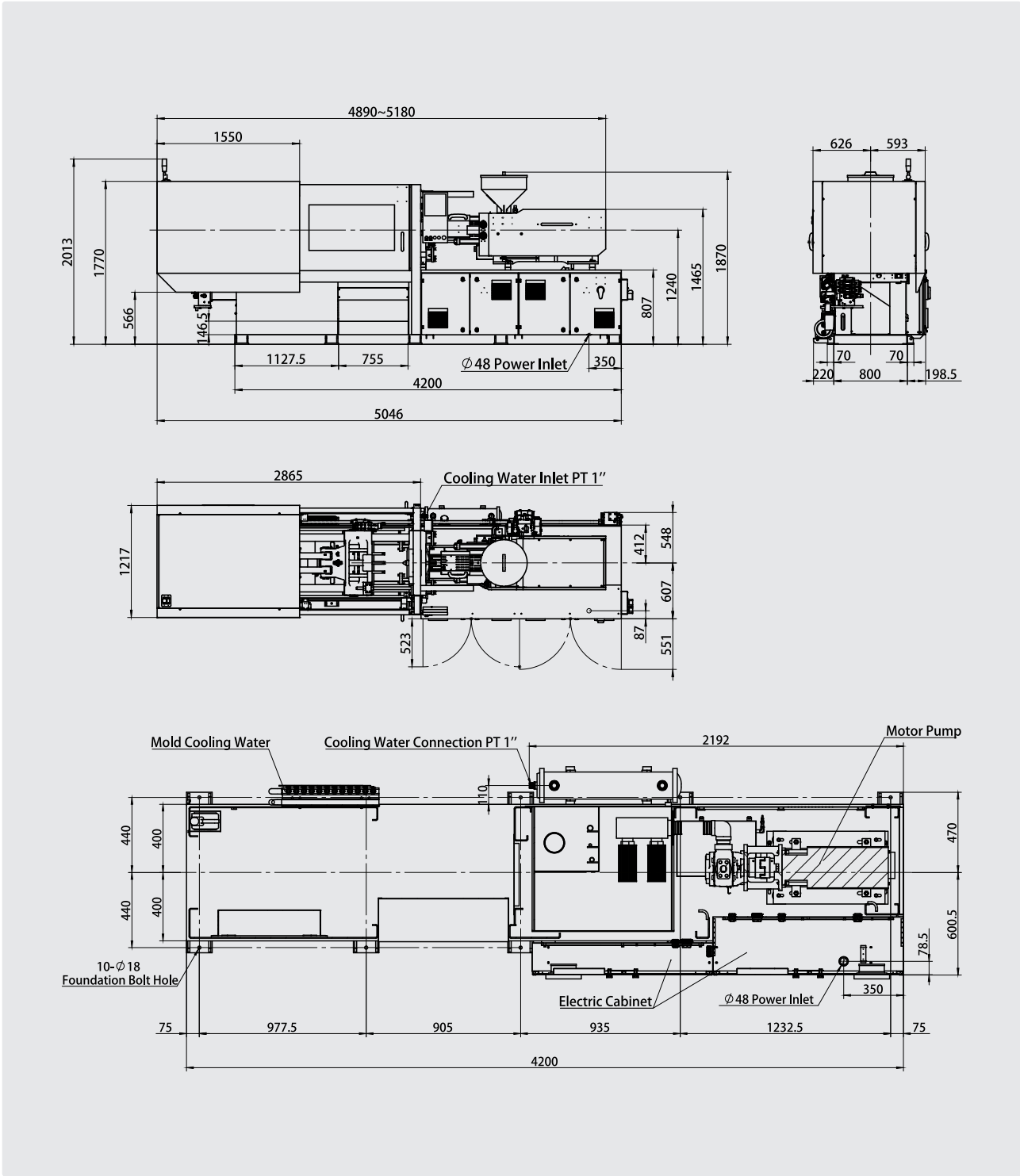
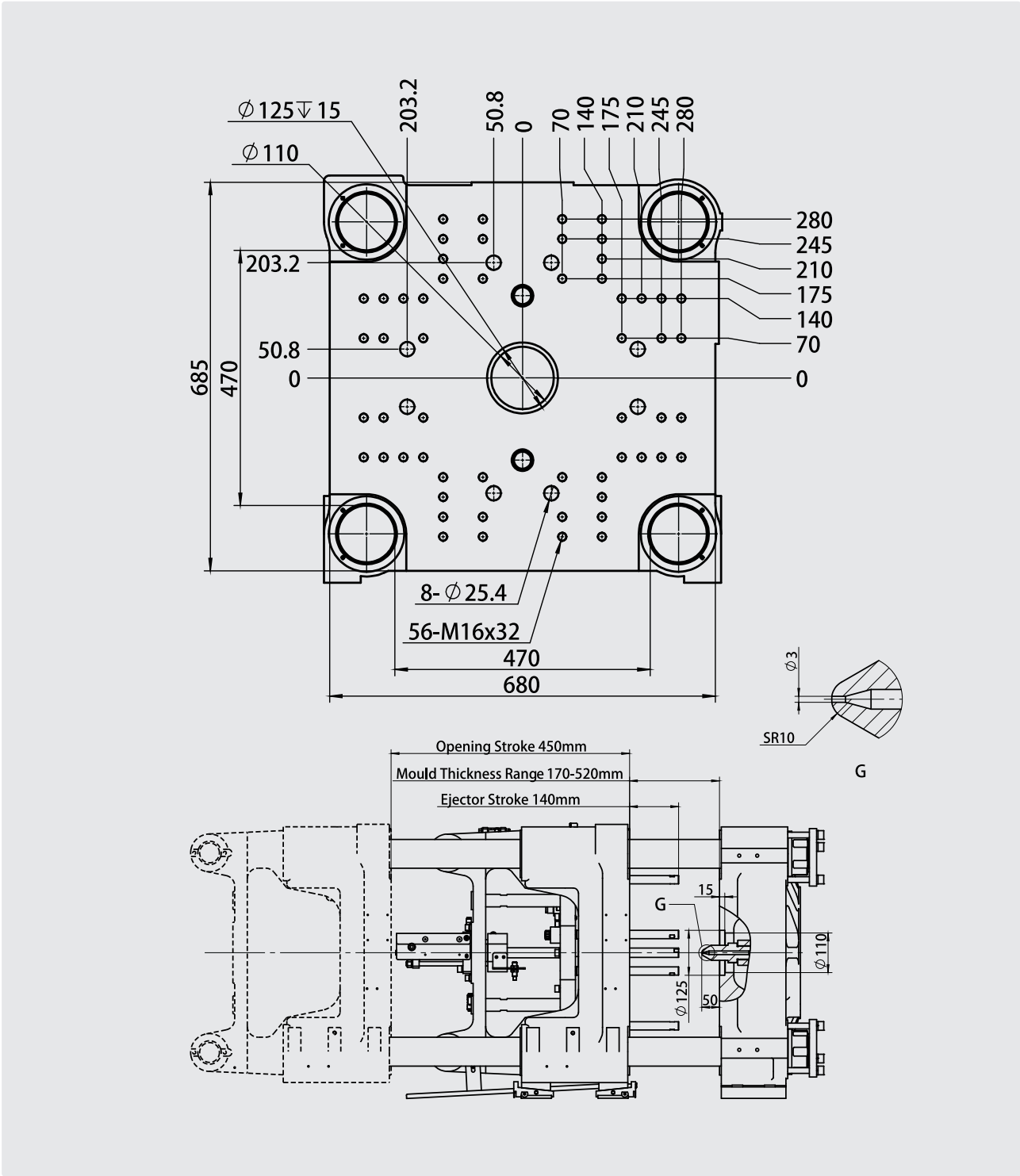
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## SPEED-128 Euroseries

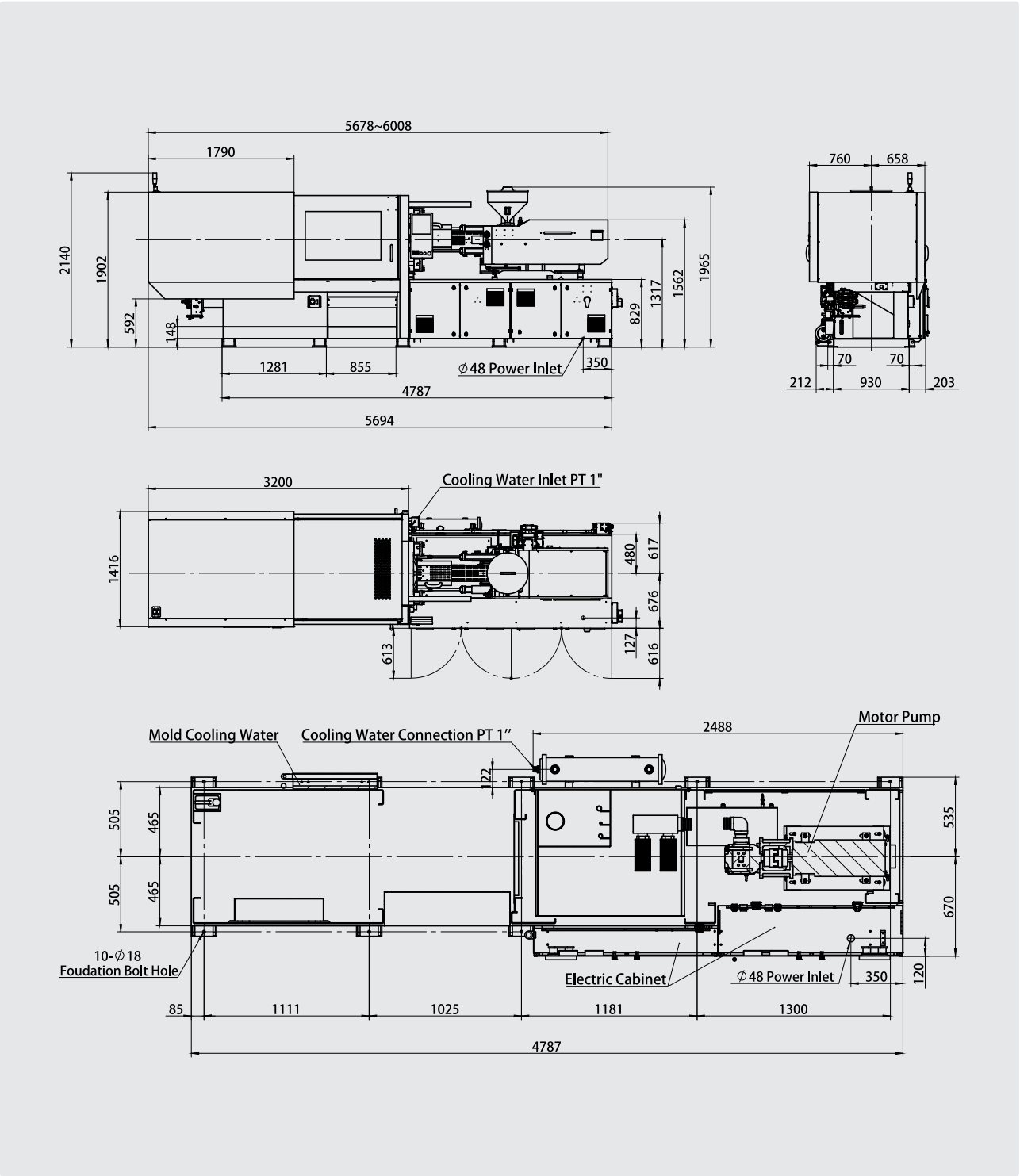
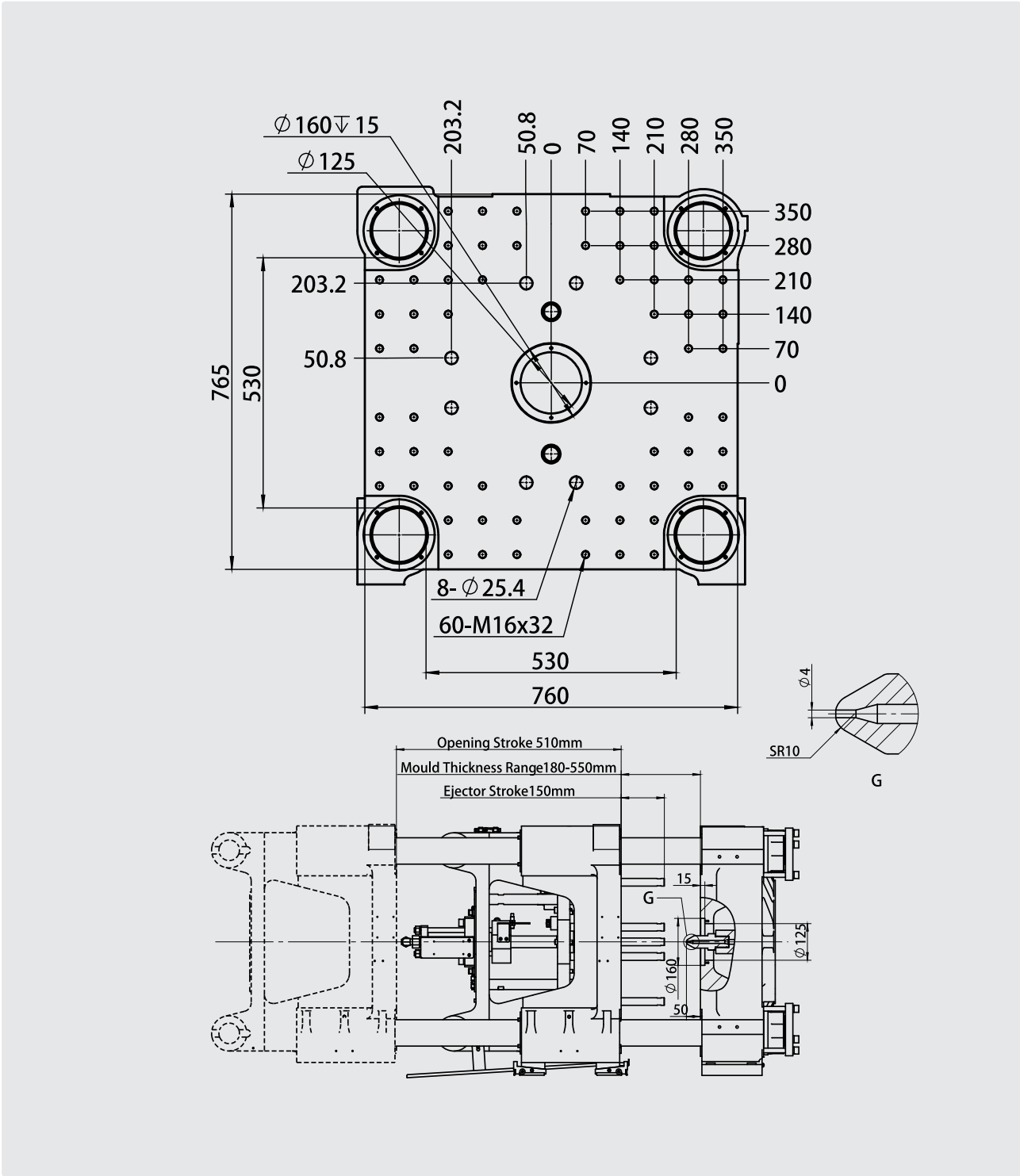




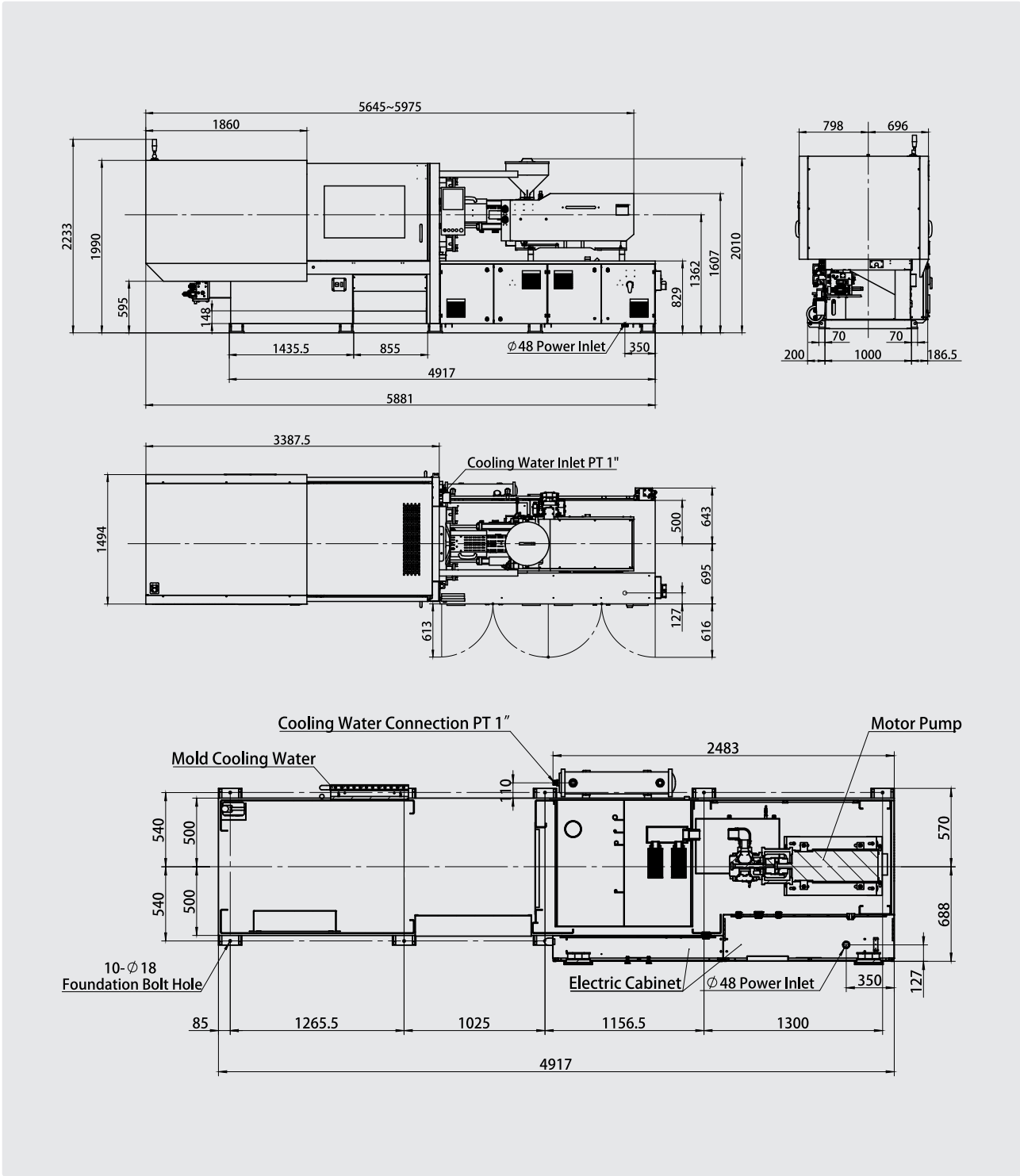
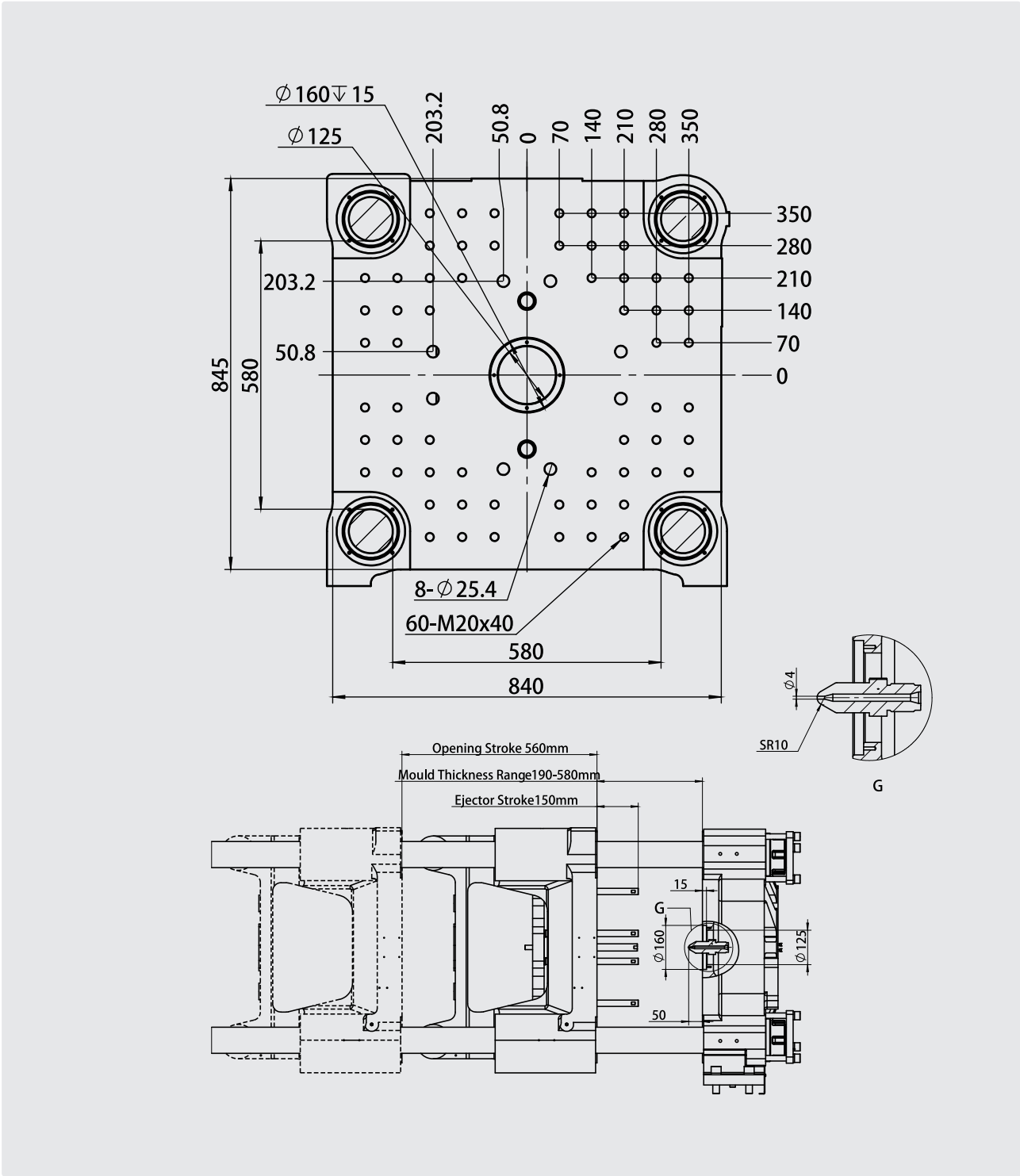
SPEED-168 Euroseries



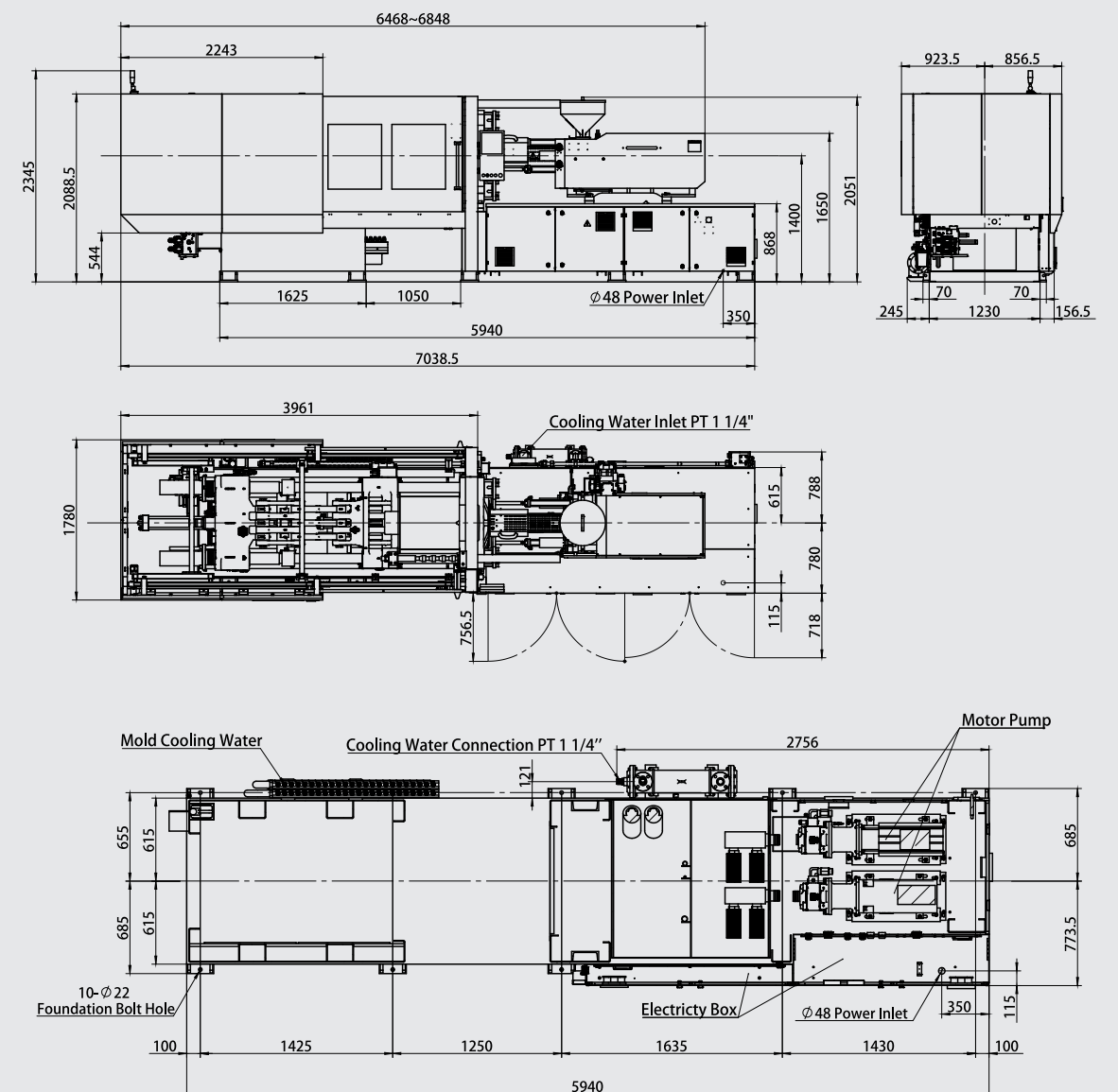
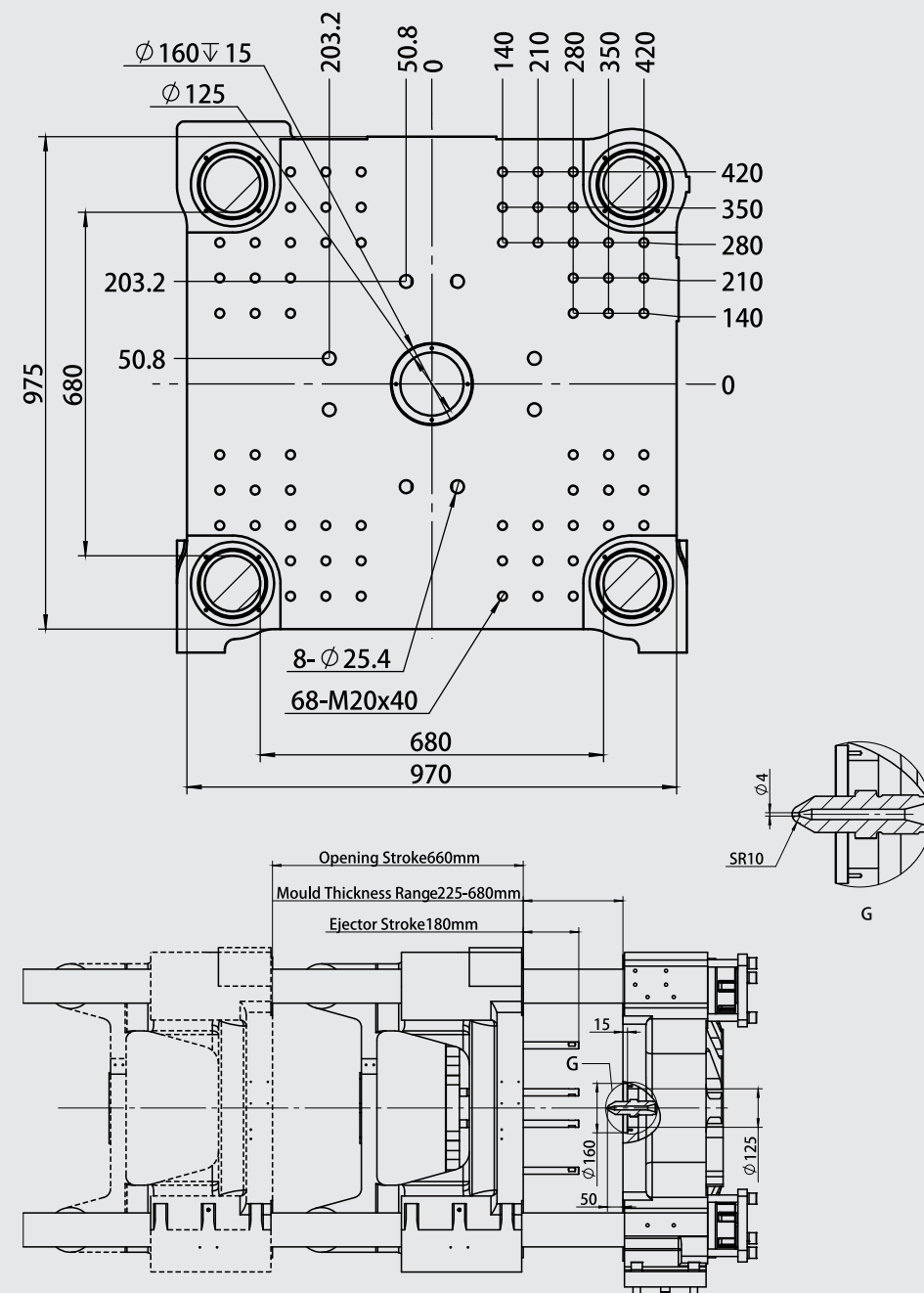
SPEED-208 Euroseries



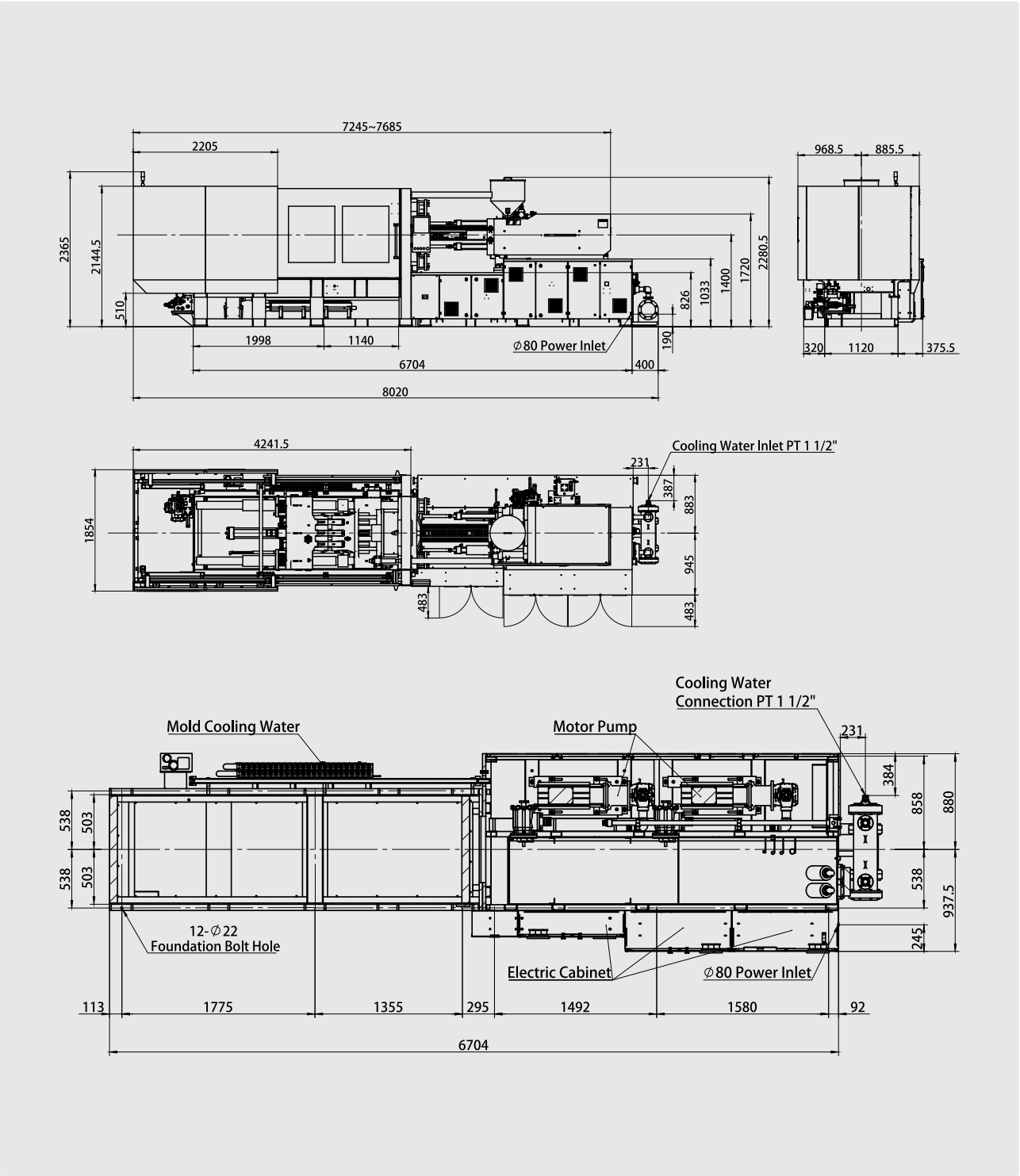
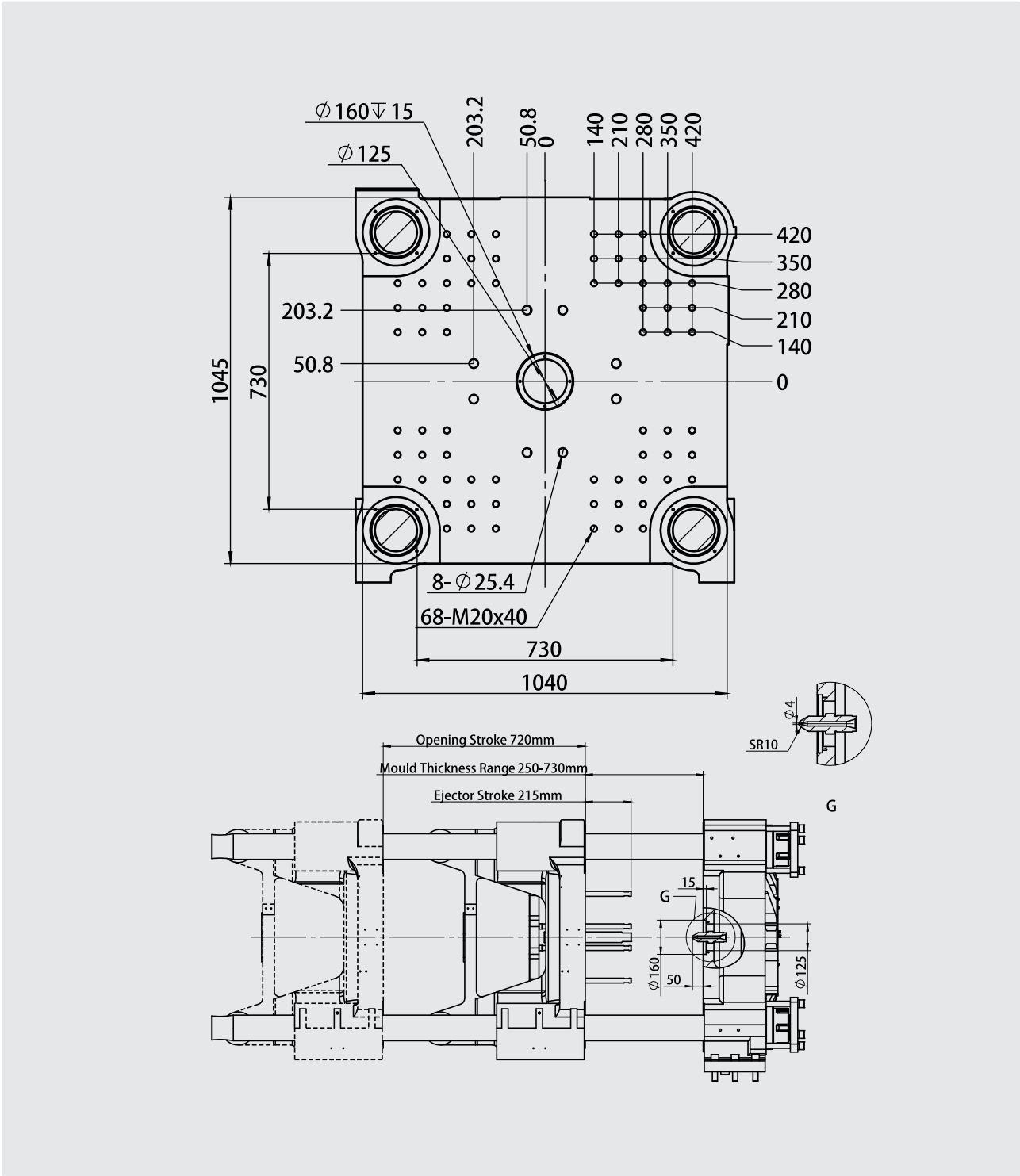
SPEED-258 Euroseries



## SPEED-328 Euroseries

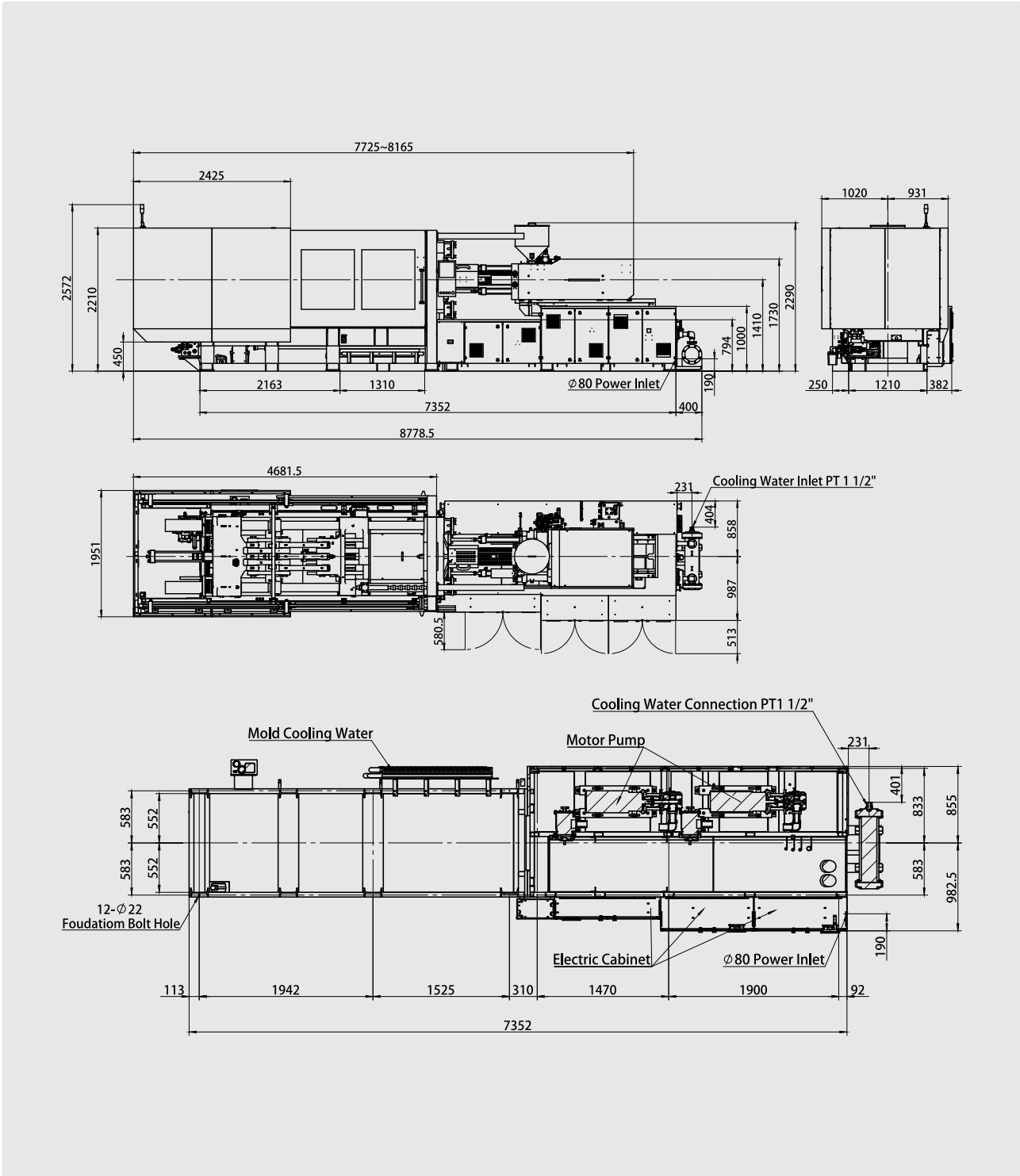
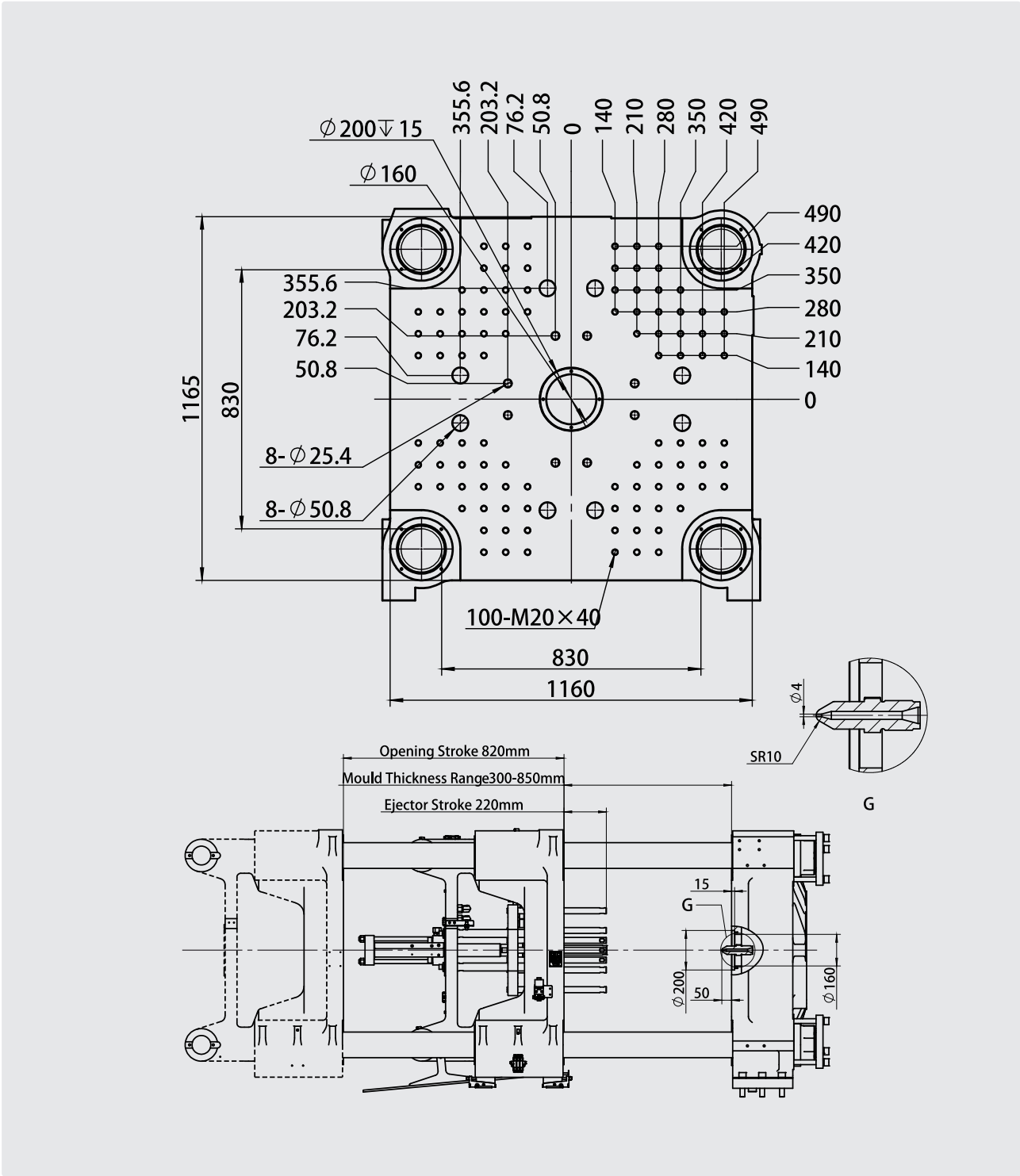


SPEED-398 Euroseries

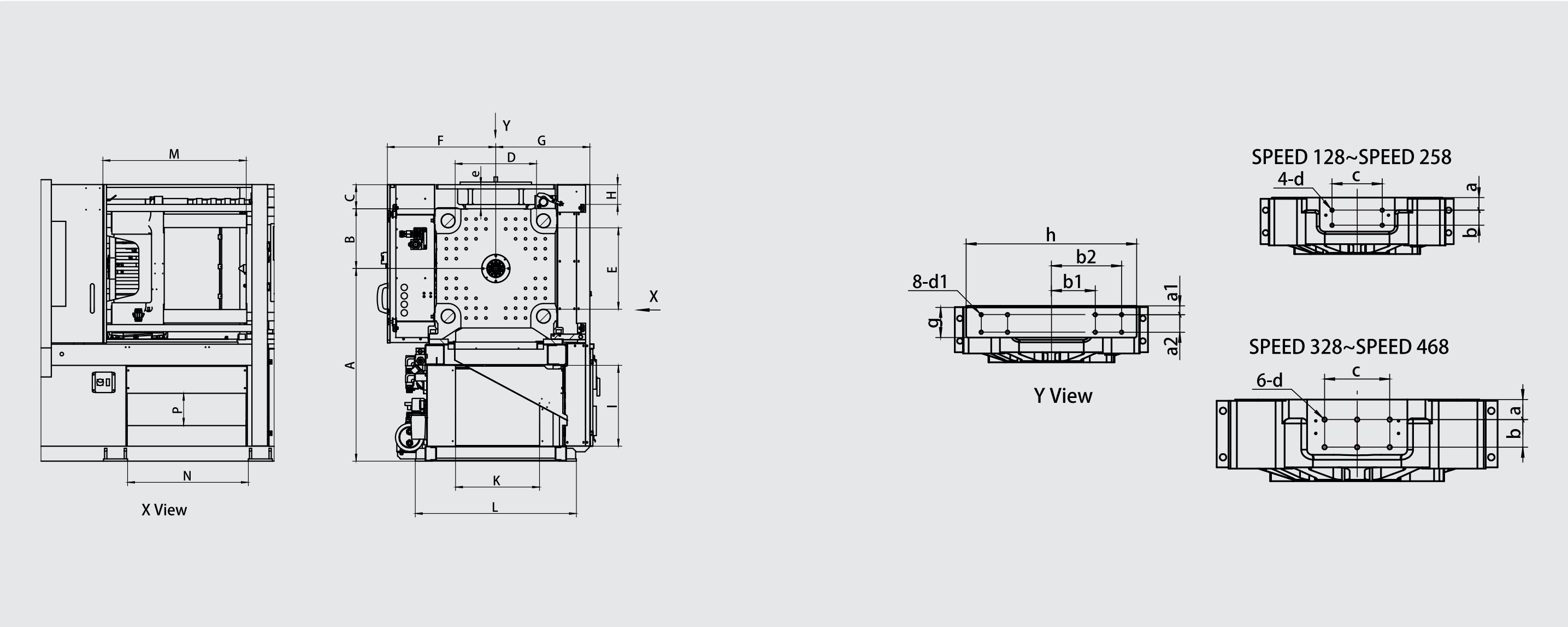




SPEED-468 Euroseries



Robot installation Dimension diagram



MODEL	A	B	C	D	E	F	G	H	I	K	L	M	N	P	a	b	c	d	e	g	h	a1	a2	b1	b2	d1
SPEED-128	1200	301	154	410	410	583	541	105	571	370	880	798	705	200	50	55	160	M16x32	154	115	600	35	70	140	245	M16
SPEED-168	1240	341	154	470	470	596	563	115	571	420	940	922	755	200	50	60	200	M16x32	154	120	680	35	70	175	280	M16
SPEED-208	1317	395	150	530	530	728	628	120	571	500	1070	980	855	200	50	80	220	M16x32	154	136	760	35	70	175	280	M16
SPEED-258	1362	423	170	580	580	768	666	140	571	570	1140	1014	855	225	70	105	220	M20x40	170	196	840	35	140	210	350	M20
SPEED-328	1400	486	174	680	680	837	771	118	475	700	1370	1218	1050	/	80	110	260	M20x40	180	206	970	35	140	280	420	M20
SPEED-398	1400	532	178	730	730	883	804	150	330	920	1120	1555	1140	/	80	110	260	M20x40	178	206	1070	35	140	350	490	M20
SPEED-468	1410	581	184	830	830	1018	768	113	270	1010	1210	1751	1310	/	80	110	300	M20x40	195	206	1190	35	140	350	490	M20

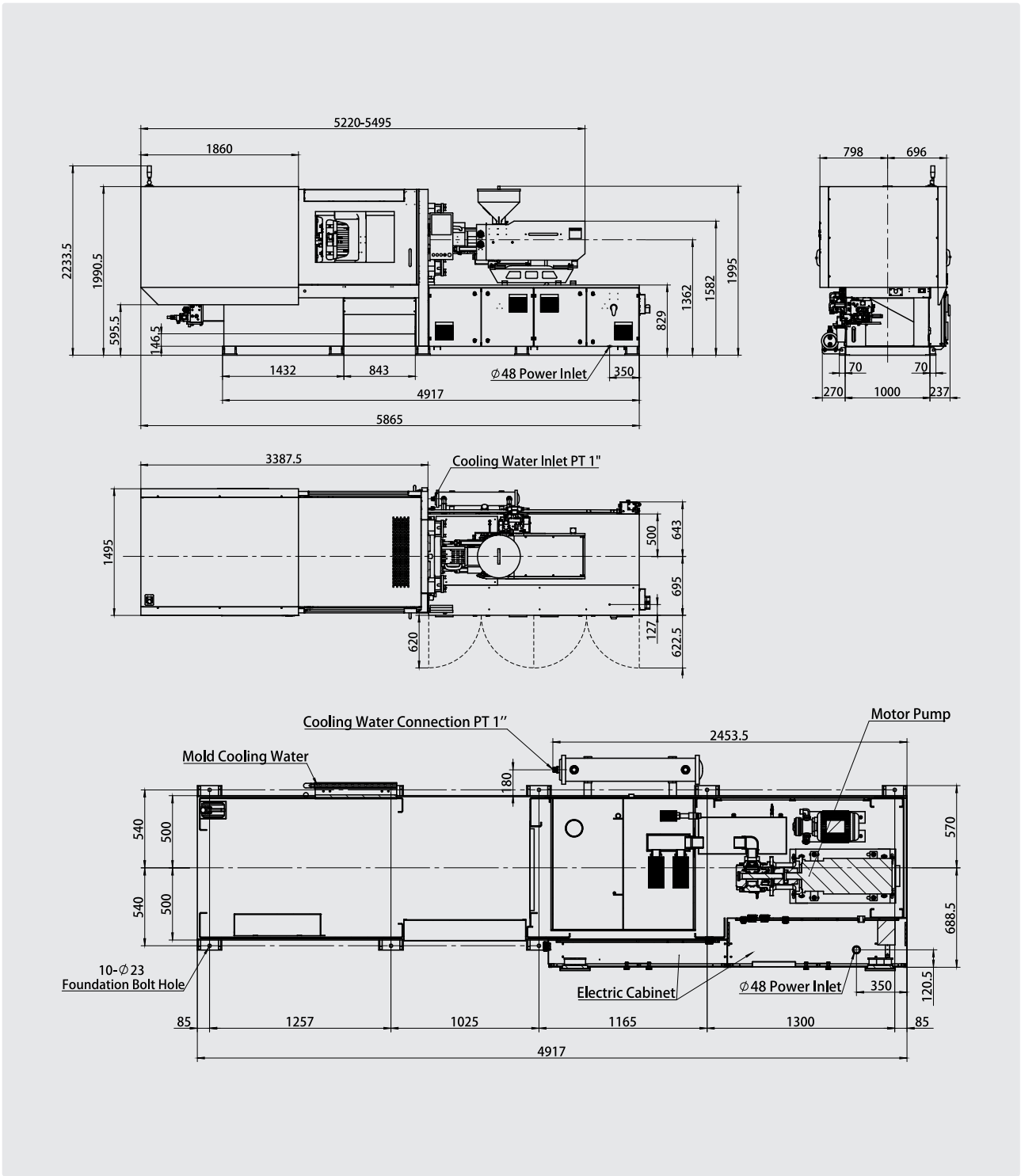
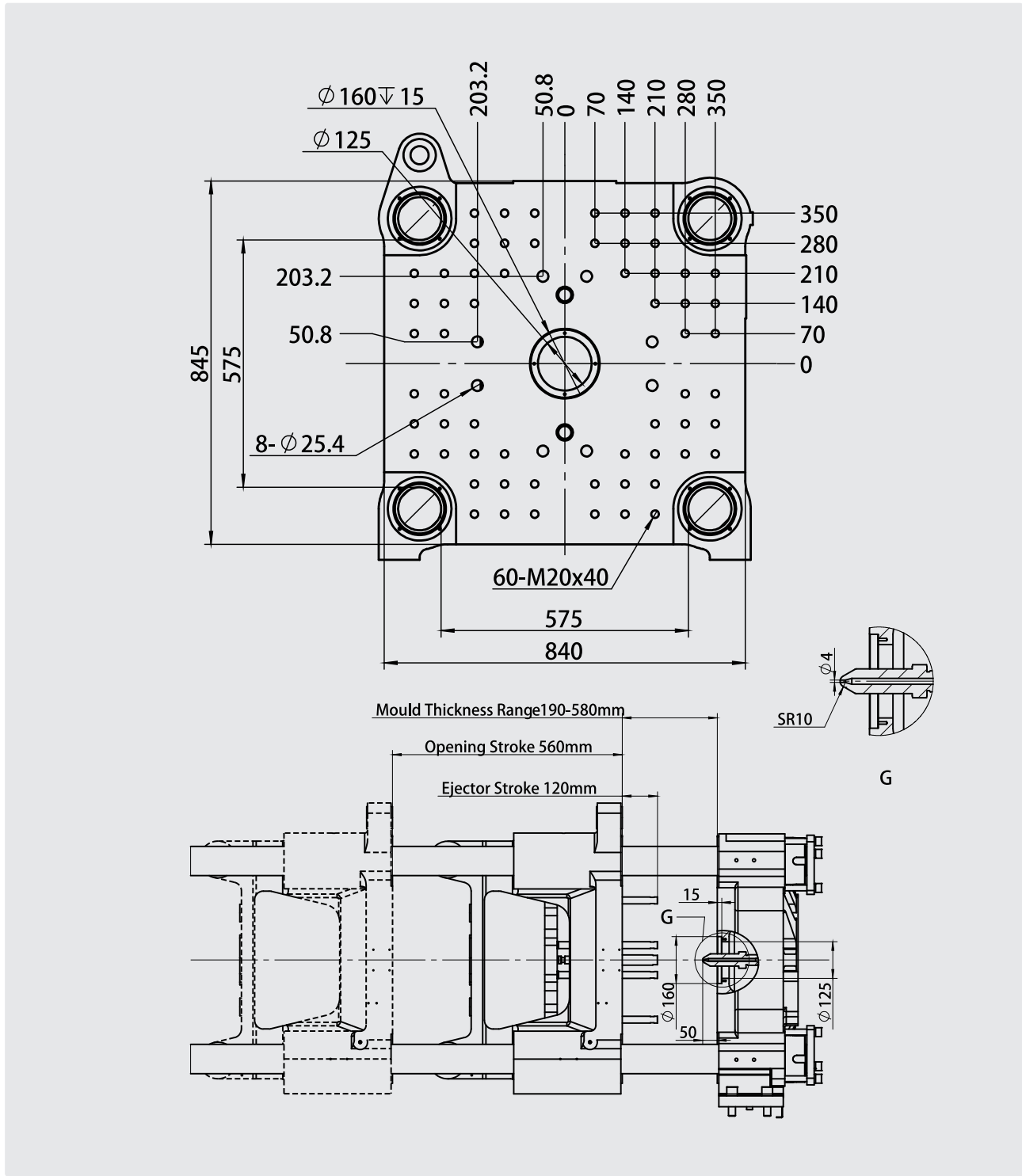
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SPEED PACK II Euroseries

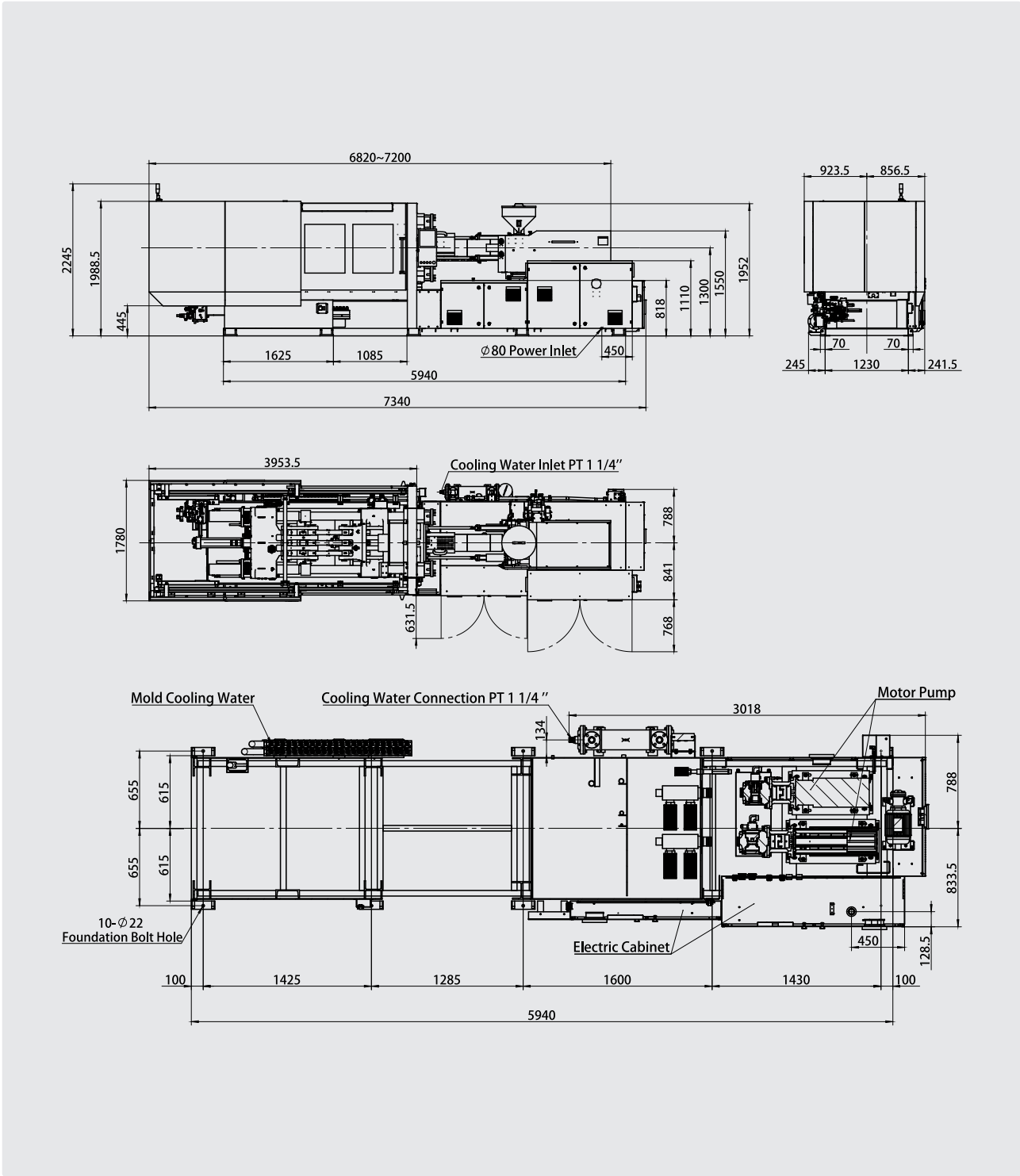
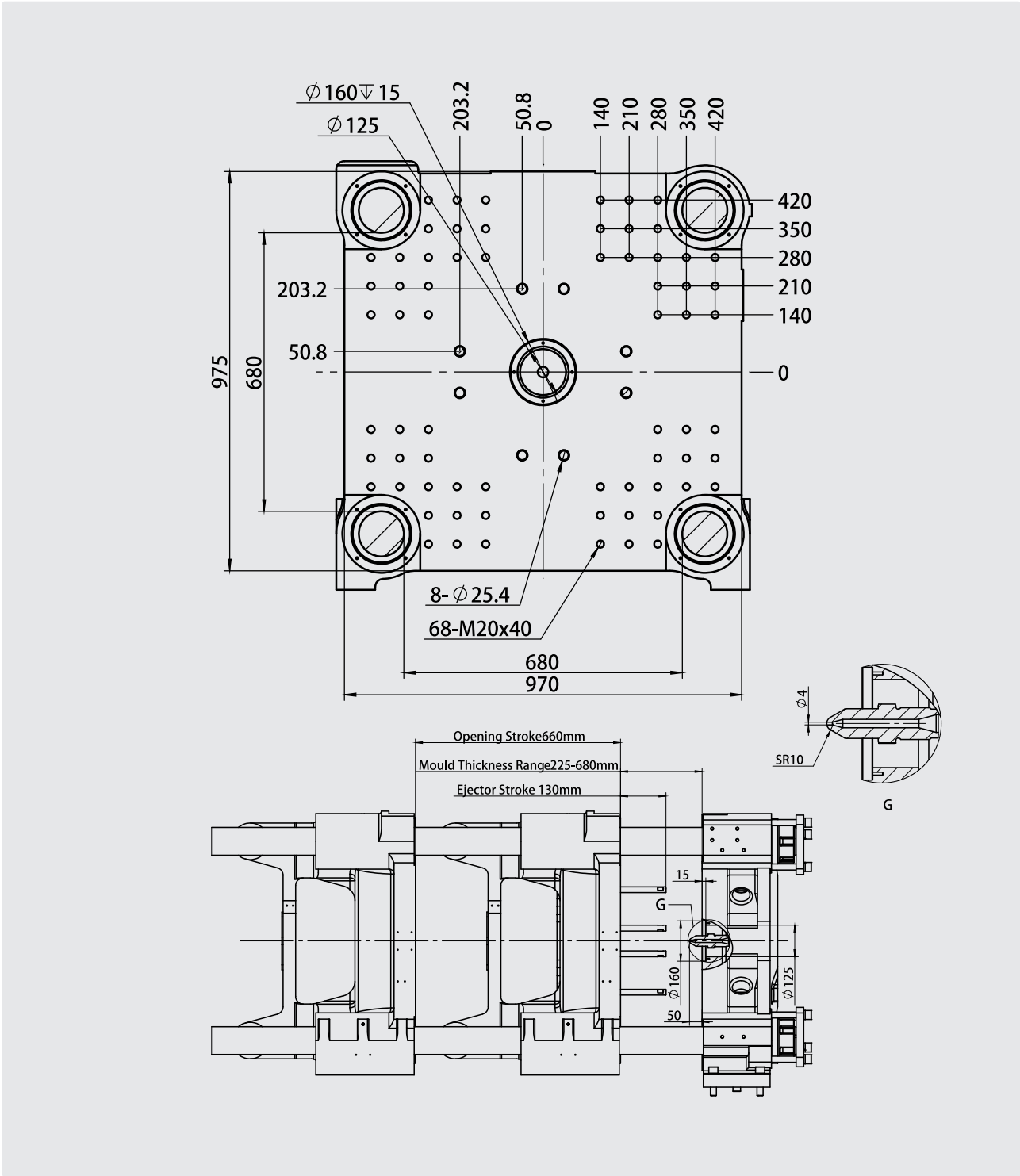
SPECIFICATIONS	UNIT	SPEED-PACK II 260		SPEED-PACK II 330		SPEED-PACK II 400		SPEED-PACK II 470	
INJECTION UNIT									
Screw Diameter	mm	31	36	46	52	52	60	52	60
Screw L/D	/	24.4	21	26	26	26	26	26	26
Injection Capacity (Theoretical)	cm³	136	183	432	552	552	735	552	735
Injection Shot Weight (Max.)	g	124	167	393	502	502	669	502	669
Injection Pressure (Max.)	MPa	254.9	189	208.4	163.1	163.1	122.5	163.1	122.5
Injection Rate (Max.)	cm³/s	325	438	798	1019	1019	1357	1019	1357
Injection Speed (Max.)	mm/s	430		480		480		480	
Injection Stroke (Max.)	mm	180		260		260		260	
Plasticising Rate (Max.)	g/s	10.7	17.2	36.1	51.7	51.7	76.1	51.7	76.1
Screw RPM (Max.)	rpm	300		300		300		300	
Nozzle Contact Force (Max.)	kN	42		62		62		62	
Nozzle Stroke (Max.)	mm	275		380		380		380	
CLAMPING UNIT									
Clamping Force (Max.)	kN	2600		3300		4000		4700	
Clamp Opening Stroke (Max.)	mm	560		660		720		820	
Platen Dimensions (HxV)	mm	840x840		970x970		1040x1040		1160x1160	
Distance Between Tie Bars (HxV)	mm	575X575		670X670		720x720		820x820	
Mold Thickness (Min.-Max.)	mm	190-580		225-680		250-730		300-850	
Max. Daylight	mm	1140		1340		1450		1670	
Ejector Force (Max.)	kN	67		111		111		166	
Ejector Stroke (Max.)	mm	120		130		165		200	
No. of Ejectors	PCS	9		9		9		17	
Locating Ring Diameter	mm	160		160		160		200	
OTHERS									
System Pressure	MPa	17.5		17.5		17.5		17.5	
Motor Power (Rated)	kW	40		40+40		40+40		40+40	
Barrel Heating Power (Max.)	kW	8.1		22		32		32	
Temperature Control Zones	Zone	3+1		4+1		4+1		4+1	
Machine Dimensions (LxWxH)	m	5.89x1.50x1.99		7.34x1.78x1.99		8.05x1.93x2.05		8.8x2.04x2.10	
Oil Tank Capacity	L	330		700		760		850	
Machine Weight	kg	7500		13500		15800		18500	

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SPEED PACK II 260 Euroseries



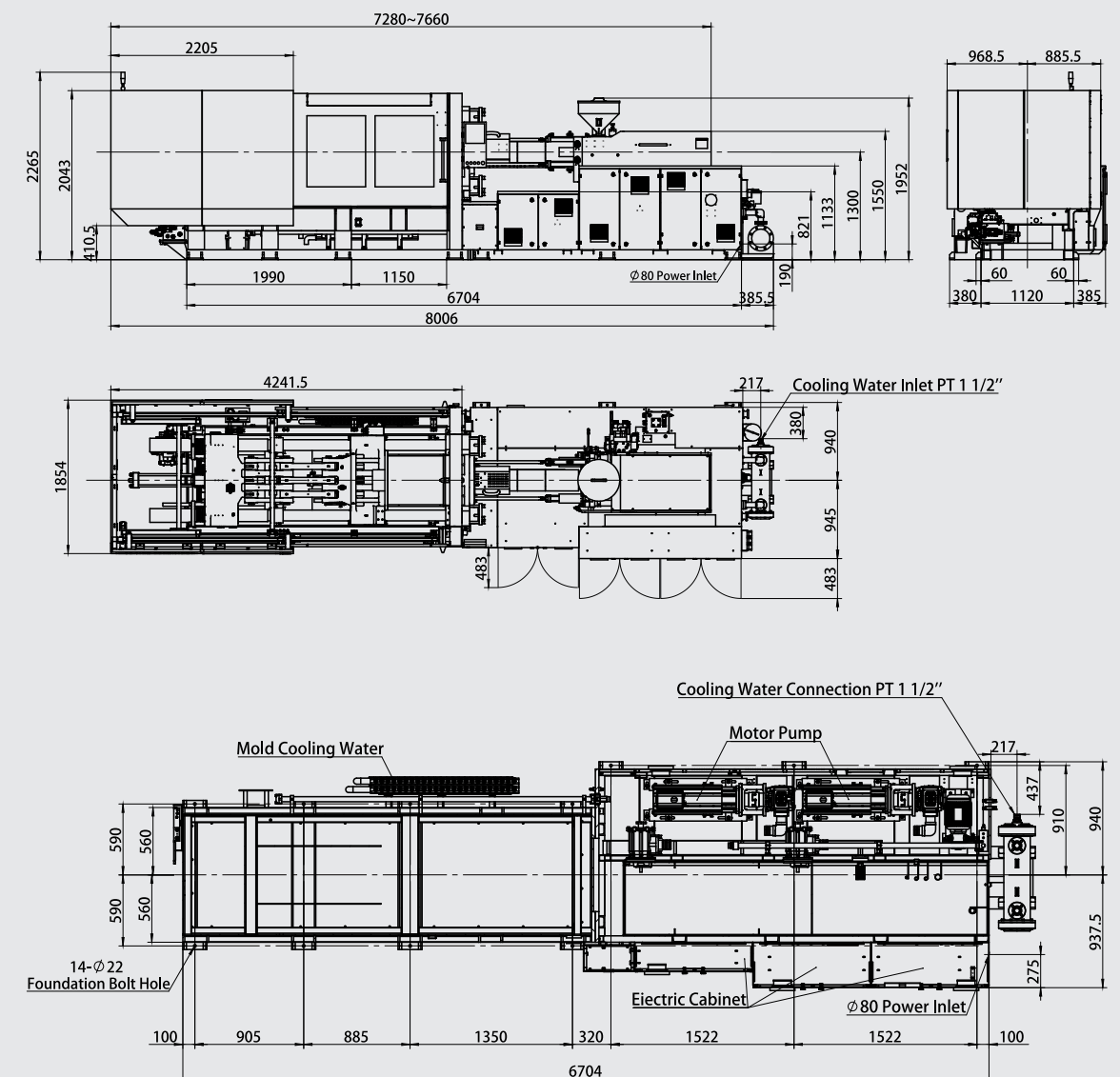
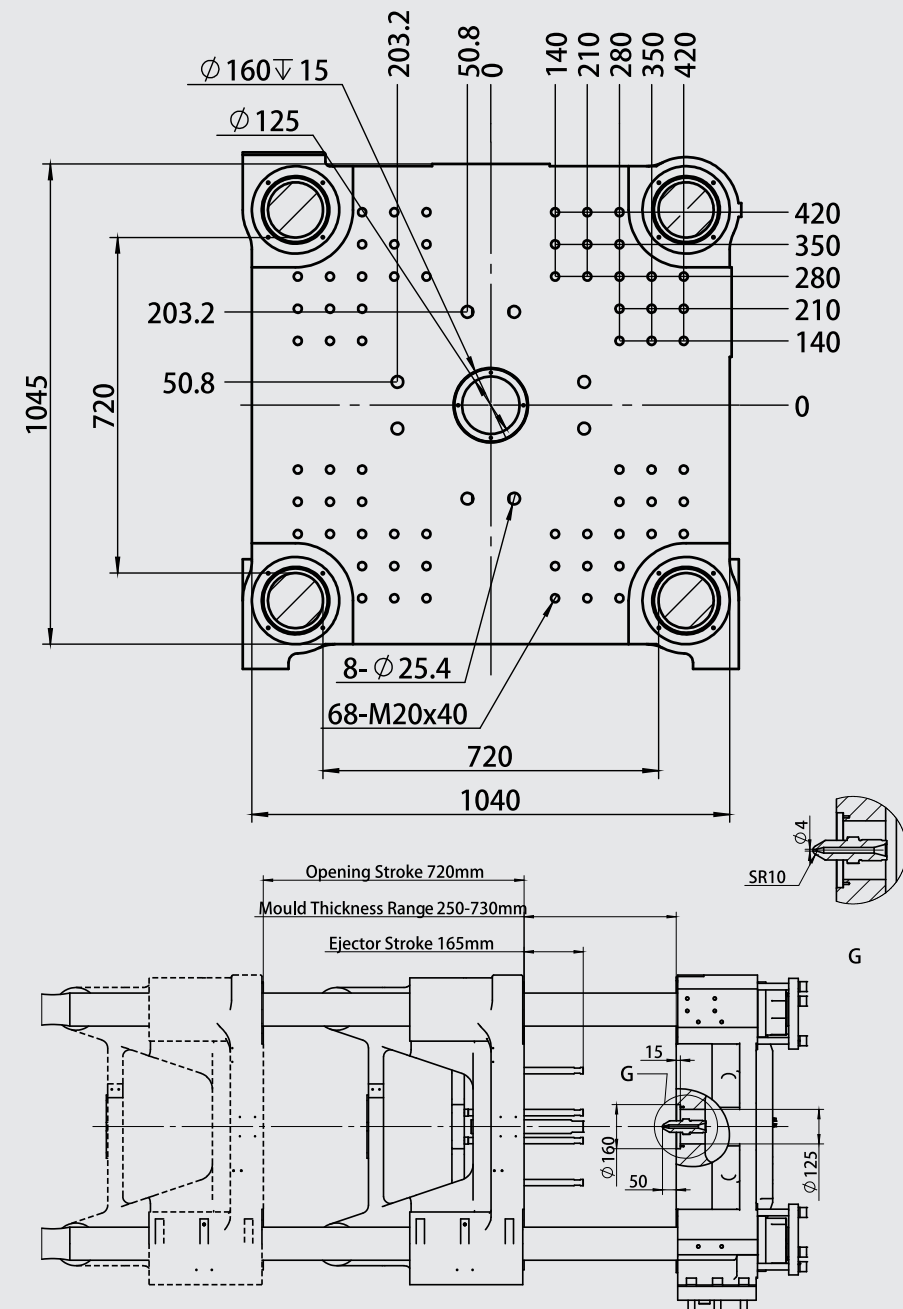
SPEED PACK II 330 Euroseries



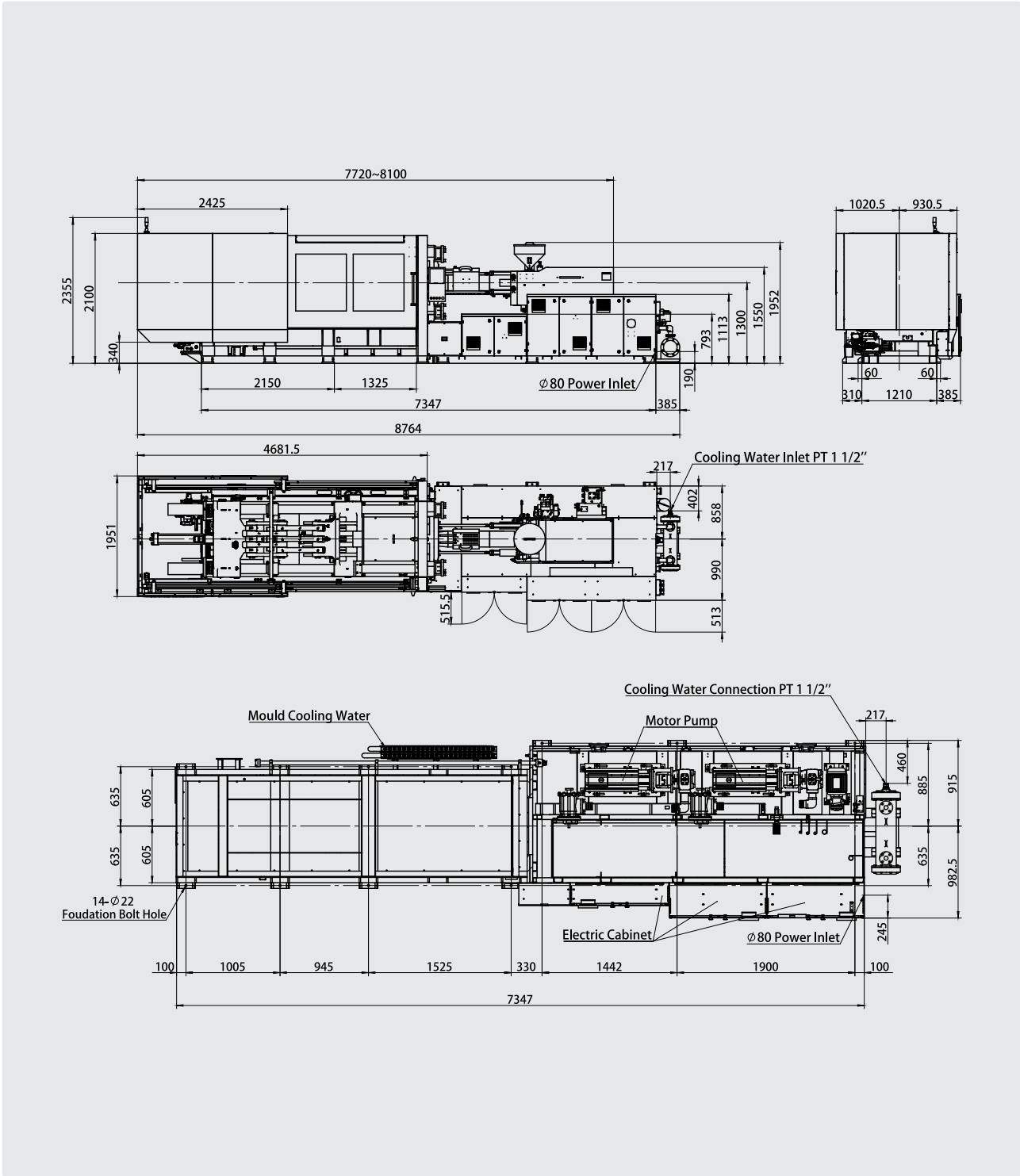
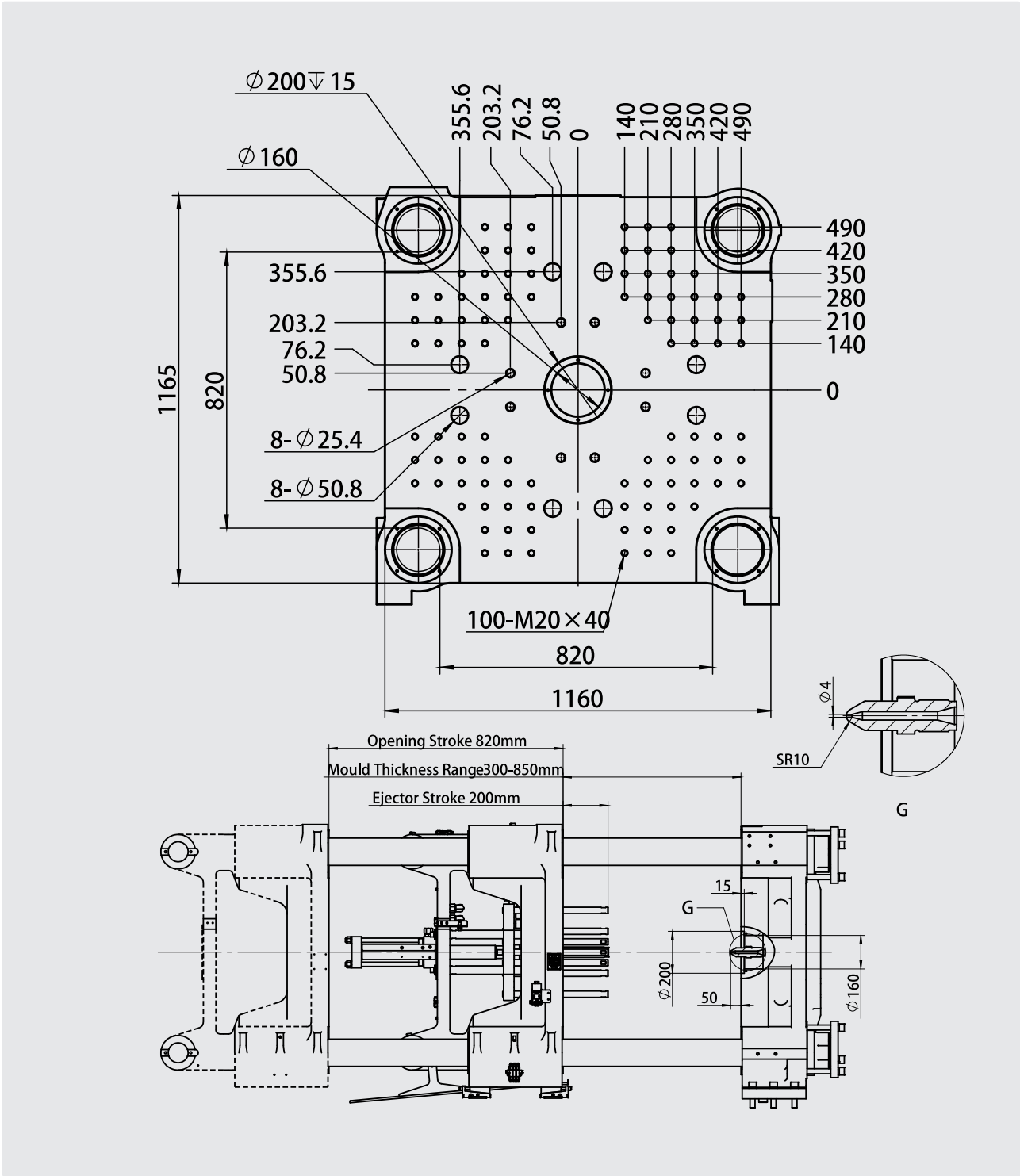
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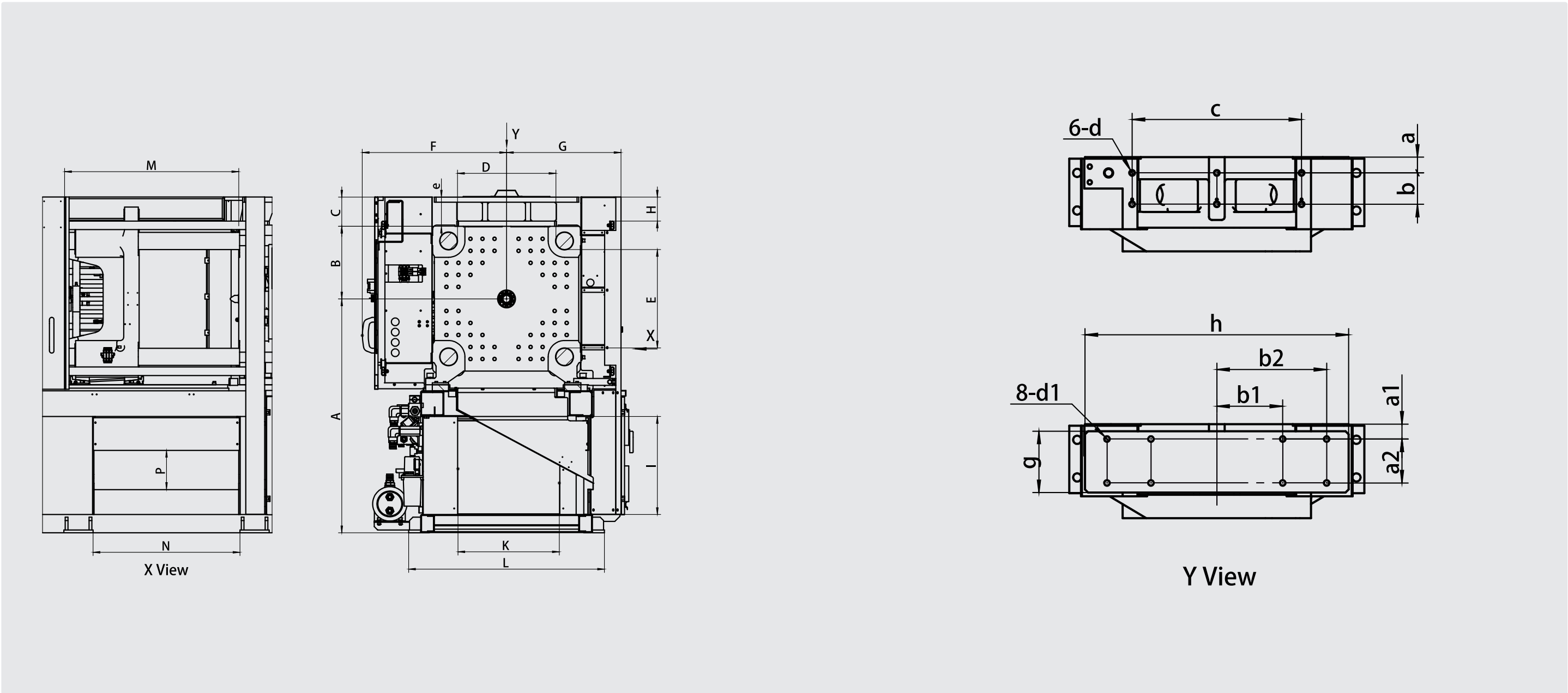
## SPEED PACK II 400 Euroseries



SPEED PACK II 470 Euroseries



Robot installation Dimension diagram



MODEL	A	B	C	D	E	F	G	H	I	K	L	M	N	P	a	b	c	d	e	g	h	a1	a2	b1	b2	d1
SPEED-PACK II 260	1362	423	170	580	580	840	666	140	571	570	1140	1015	855	227	50	100	540	M18×36	170	196	840	47.5	140	210	350	M20
SPEED-PACK II 330	1300	500	180	670	670	833	764	118	418	888	1370	1218	1085	/	50	100	630	M18×36	180	206	970	35	110	280	420	M20
SPEED-PACK II 400	1300	545	180	720	720	877	797	148	230	900	1240	1530	1150	/	50	100	670	M20×40	180	206	1070	35	110	350	490	M20
SPEED-PACK II 470	1300	600	195	820	820	932.5	843	113	160	990	1330	1750	1325	/	50	100	800	M20×40	195	206	1190	35	110	350	490	M20

All technical data and features are subject to change without prior notice.

SPEED & SPEED PACK II Euroseries

STANDARD AND OPTIONAL FEATURES		
CLAMPING UNIT	STANDARD	OPTION
Automatic mould height adjustment	●	
Hydraulic safety device		○
Euromap 2 platen design	●	
Euromap 13	●	
Euromap 18 robot mounting	●	
Euromap 67 robot interface	●	
Euromap 70 & 70.1 interface for magnetic mould clamps		○
Extended mould height		○
Mechanical safety bar		○
Product chute photo sensor	●	
Electric power door (front) with sensor		○
Infrared light guard (front door)		○
Automatic lubrication for toggles	●	
Automatic lubrication for mold height adjust		○
Manual lubrication pump for mold height adjust	●	
Additional core pulls (on moving platen)		○
Air-blows	1×FP 1×MP	
Additional core-pulls		○
Additional air-blows		○
Parallel core pull movements		○
Ejection-on-fly		○
Electric power door (front)		○
Automatic clamping force control		○
OTHERS		
Power sockets 400V3P32A	1	
Power sockets 400V3P16A	1	
Power sockets 240V1P32A		○
Power sockets 240V1P16A	2	
Water manifolds (extra)	4-IN 4-OUT	
Hydraulic by-pass filter		○
Hydraulic oil pre-heat		○

All technical data and features are subject to change without prior notice.

STANDARD AND OPTIONAL FEATURES		
INJECTION UNIT	STANDARD	OPTION
Ceramic heater bands	●	
Nitrited screw and barrel	●	
Bi-metallic screw and barrel		○
Shut-off nozzle		○
Linear transducer on injection stroke	●	
Linear transducer on injection carriage	●	
Screw rpm indicator	●	
Automatic lubrication of injection unit		○
Manual lubrication pump for injection unit		○
Simultaneous recovery / parallel plasticising		○
Hopper slider	●	
Hopper	●	
Injection pressure display	●	
Feed zone temperature control	●	
Barrel insulation jacket	●	
Digital back pressure control	●	
Broken thermocouple detection alarm		○
Blocked nozzle and overflow detection	●	
Hydraulic/pneumatic valve gates control		○
CONTROLLER		
B&R PPC2200 controller (15.6" display)	●	
Sequence editor	●	
High-sensitivity mould protection	●	
Ethernet interface	●	
USB interface	●	
Euromap 67 interface	●	
Industry 4.0 connectivity		○
OPC-UA interface		○
Freely programmable core pulls	●	
Free I/O configuration	●	
Hot-runners control	●	