CHEN HSONG

MK6 PRO

Euroseries

Datasheet

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MK6 PRO Euroseries

SPECIFICATIONS	UNIT	JM88-MK6 PRO			JM128-MK6 PRO			JM168-MK6 PRO			JM208-MK6 PRO			JM258-MK6 PRO			JM328-MK6 PRO			JM398-MK6 PRO			JM468-MK6 PRO			JM568-MK6 PRO			JM668-MK6 PRO		
INJECTION UNIT																														
Screw Diameter	mm	31	36	41	36	41	46	41	46	52	46	52	60	46	52	60	60	67	75	67	75	83	75	83	90	75	83	90	83	90	98
Screw L/D	/	24.4	21	18.4	23.9	21	18.7	23.6	21	18.6	23.7	21	18.2	23.7	21	18.2	23.5	21	18.8	23.5	21	19	23.2	21	19.4	23.2	21	19.4	23.9	22	20.2
Injection Capacity (Theoretical)	cm^3	136	183	238	209	271	341	304	382	488	432	552	735	432	552	735	947	1181	1480	1322	1657	2029	1833	2245	2640	1833	2245	2640	2300	2704	3206
Injection Shot Weight (Max.)	g	124	167	216	190	246	310	276	348	444	393	502	669	393	502	669	862	1075	1347	1203	1508	1846	1668	2043	2403	1668	2043	2403	2093	2460	2917
Injection Pressure (Max.)	MPa	254.9	189	145.7	245.1	189	150.1	236.8	188.1	147.2	241.9	189.3	142.2	241.9	189.3	142.2	235.5	188.9	150.7	233.3	186.2	152	225.3	184	156.4	225.3	184	156.4	216.3	184	155.2
Injection Rate (Max.)	cm^3/s	80	108	140	104	135	170	138	174	222	169	216	287	169	216	287	302	376	472	351	440	539	442	541	636	442	541	636	540	635	753
Injection Speed (Max.)	mm/s	105			105			105			103			103			108			102			100			99			100		
Injection Stroke (Max.)	mm	180			205			230			260			260			335			375			415			415			425		
Plasticising Rate (Max.)	g/s	8.8	13.8	20.3	13.8	20.3	24.7	18.6	22.6	30.9	20.1	27.6	42.8	20.1	27.6	42.8	42.8	68.7	71.3	65.6	67.8	95.9	64.2	90.7	128.9	64.2	90.7	128.9	85.6	121.7	152.7
Screw RPM (Max.)	rpm	245			245			224			200			200			200			190			180			180			170		
Nozzle Contact Force (Max.)	kN	42			42			62			62			62			91			111			111			120			120		
Nozzle Stroke (Max.)	mm	275			290			330			380			380			440			470			540			420			450		

CLAMPING UNIT										
Clamping Force (Max.)	kN	880	1280	1680	2080	2580	3280	3980	4680	5680	6680
Clamp Opening Stroke (Max.)	mm	340	380	450	510	560	660	720	820	870	920
Platen Dimensions (HxV)	mm	540×540	600×600	680×680	760×760	840×840	970×970	1040×1040	1160×1160	1230×1230	1300×1300
Distance Between Tie Bars (H×V)	mm	360×360	410×410	470×470	530×530	580×580	680×680	730×730	830×830	860×860	920×920
Mold Thickness (Min.-Max.)	mm	125-380	150-450	170-520	180-550	190-580	225-680	250-730	300-850	350-880	380-920
Max. Daylight	mm	720	830	970	1060	1140	1340	1450	1670	1750	1840
Ejector Force (Max.)	kN	34	42	42	67	85	111	111	166	166	182
Ejector Stroke (Max.)	mm	120	120	140	150	150	180	215	220	250	265
No. of Ejectors	PCS	1	1	9	9	9	9	9	17	17	17
Locating Ring Diameter	mm	125	125	125	160	160	160	160	200	200	200
OTHERS											
System Pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Motor Power (Rated)	kW	14	17	21	30	30	48	60	72	72	96
Barrel Heating Power (Max.)	kW	8	10.3	12.9	16.6	16.6	26	31.1	35.5	35.5	35.5
Temperature Control Zones	Zone	3+1	3+1	3+1	3+1	3+1	4+1	5+1	5+1	5+1	5+1
Machine Dimensions (L×W×H)	m	4.52×1.17×1.88	5.02×1.25×1.94	5.53×1.28×2.02	6.20×1.48×2.15	6.40×1.56×2.24	7.73×1.73×2.21	8.42×1.94×2.19	9.33×2.04×2.26	9.30×1.94×2.33	9.83×2.02×2.24
Oil Tank Capacity	L	170	220	265	350	350	620	810	920	920	950
Machine Weight	kg	3300	4000	4900	6800	7800	13200	16700	19800	21000	23000

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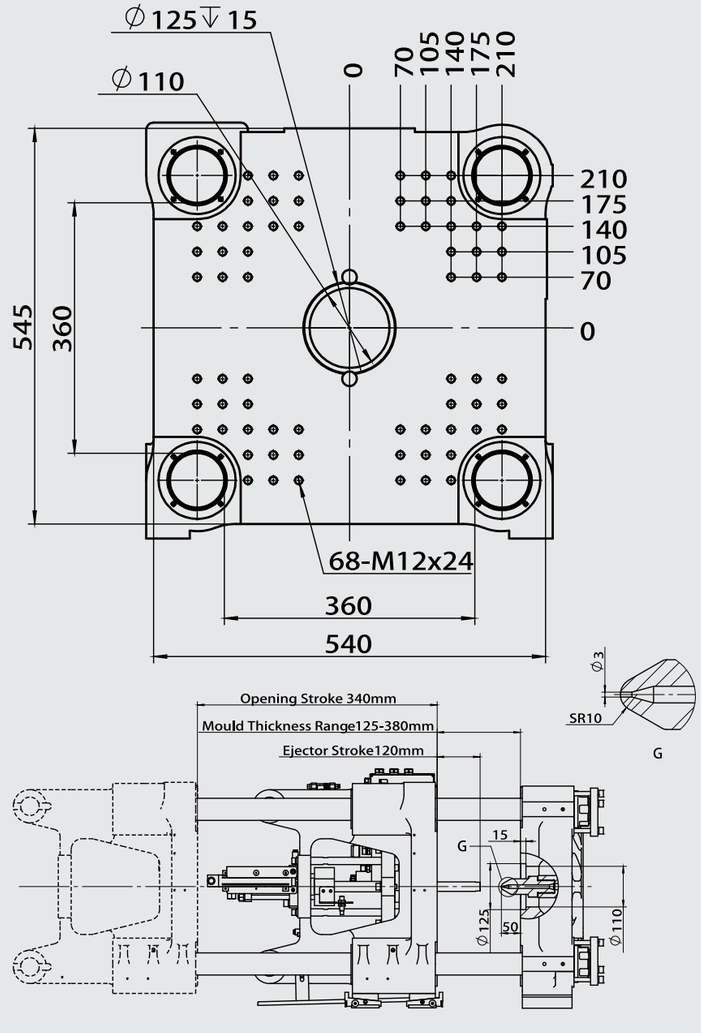
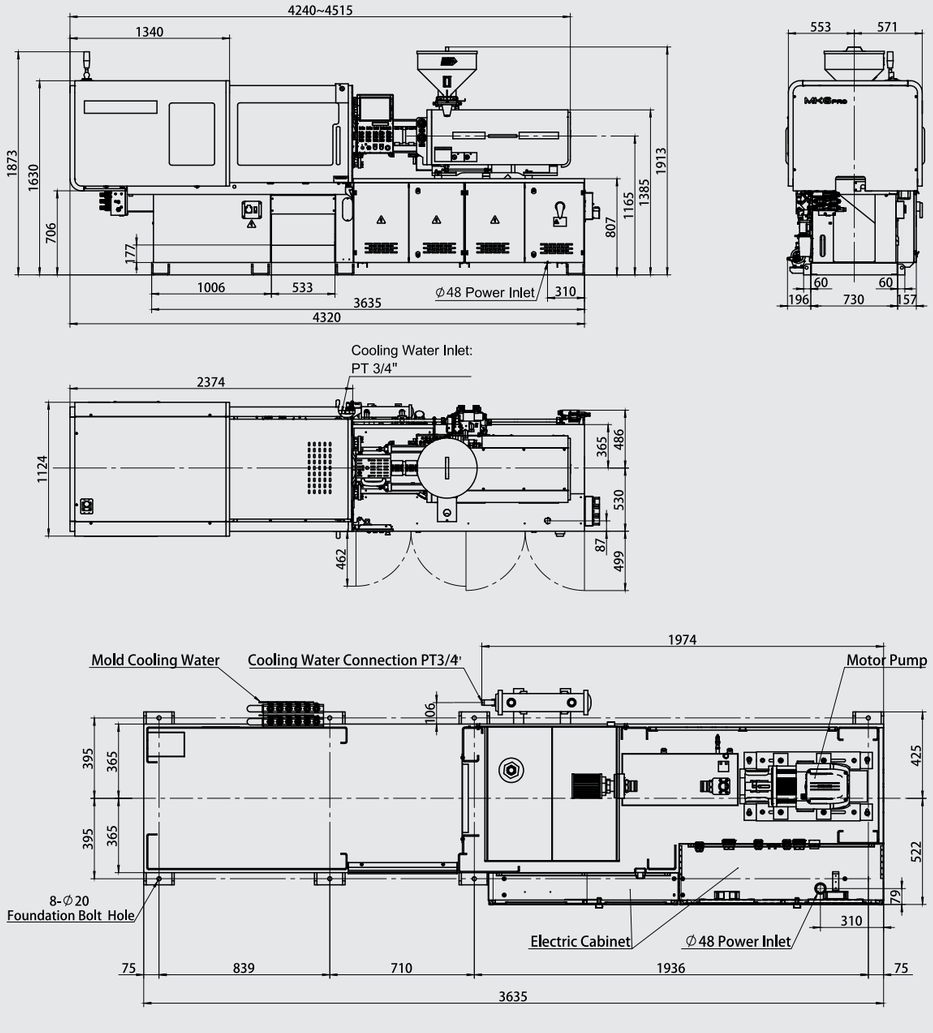
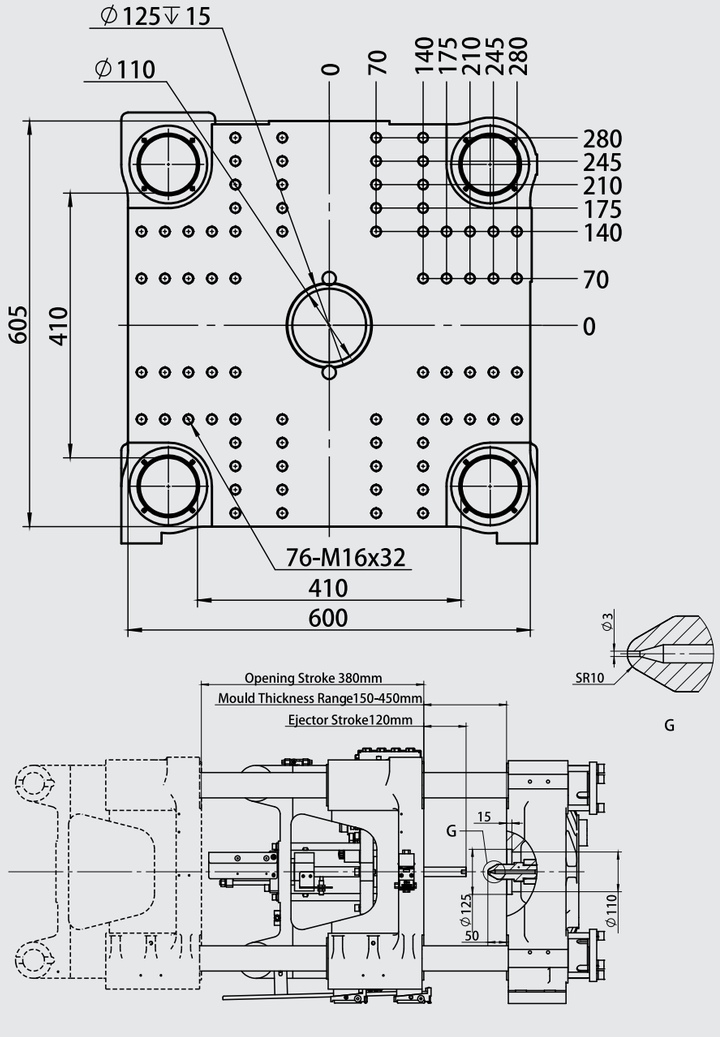
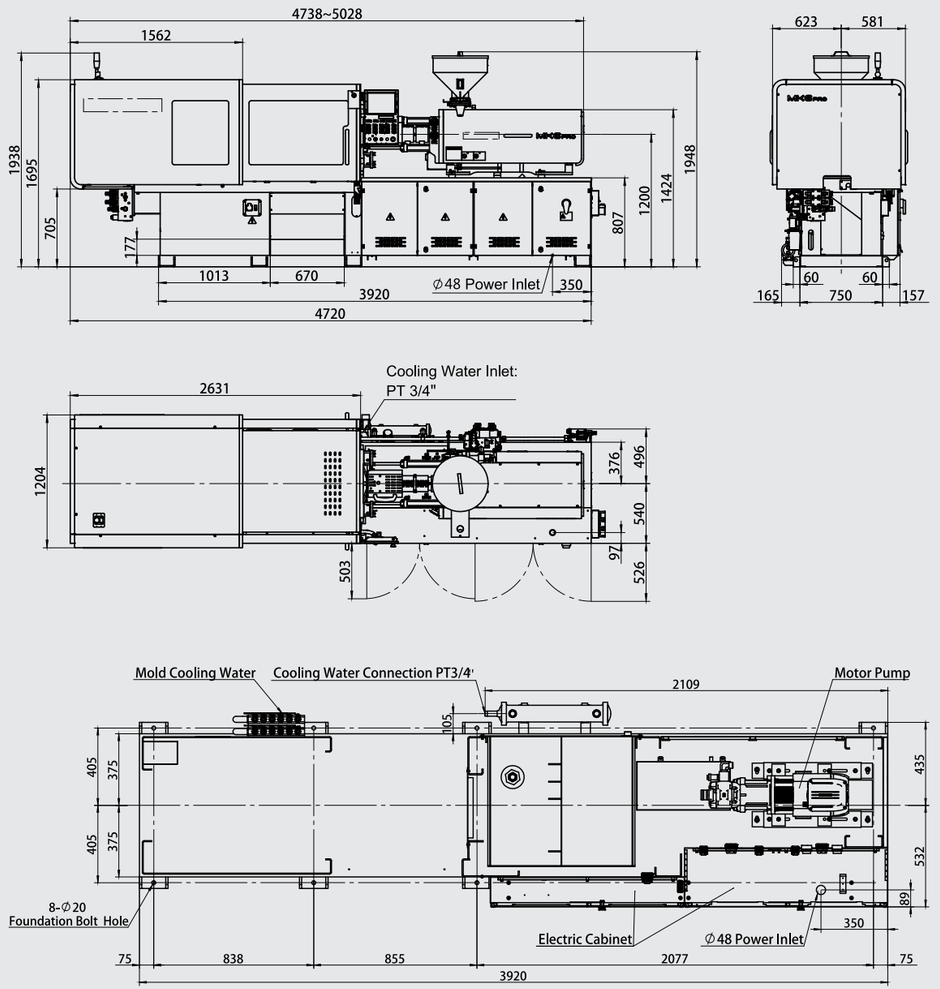
JM88 MK6 PRO Euroseries





JM128 MK6 PRO Euroseries





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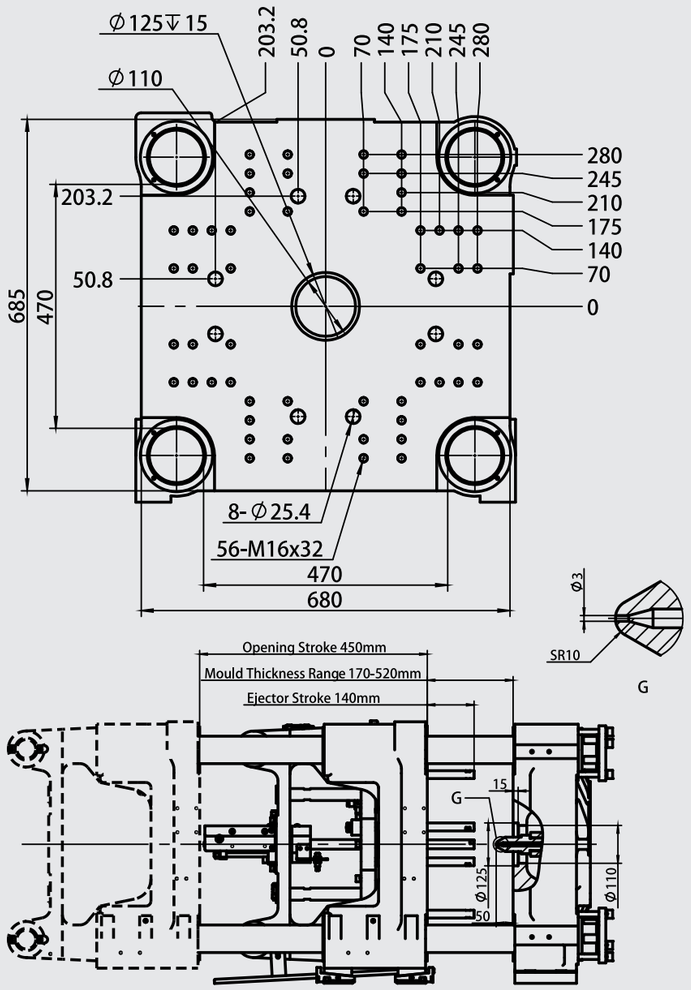
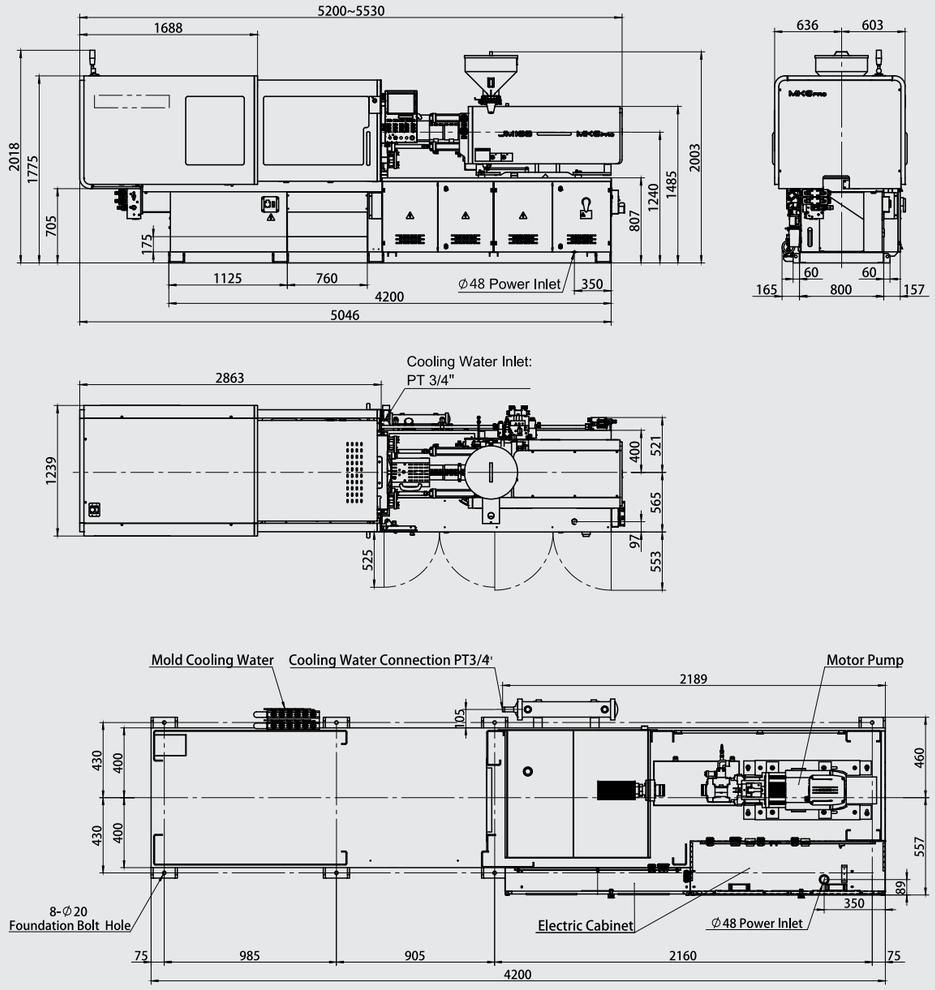
JM168 MK6 PRO Euroseries





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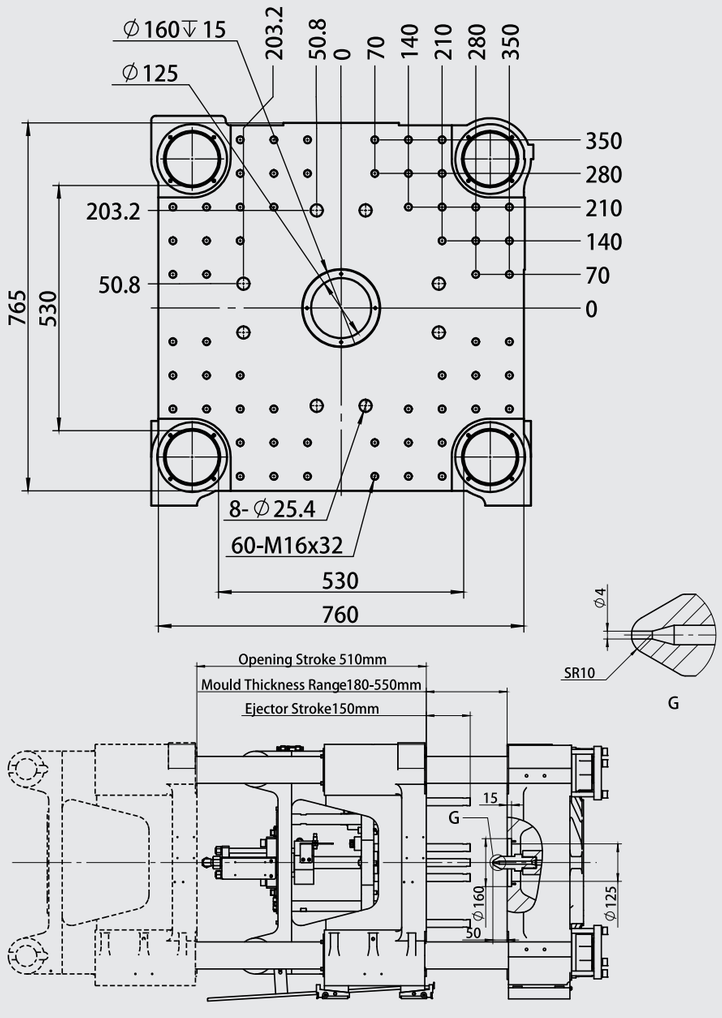
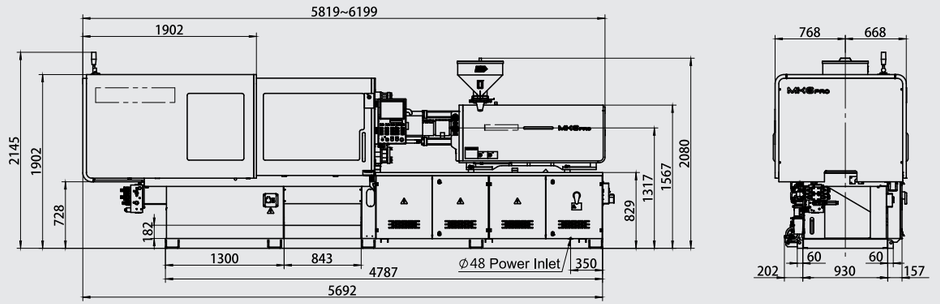
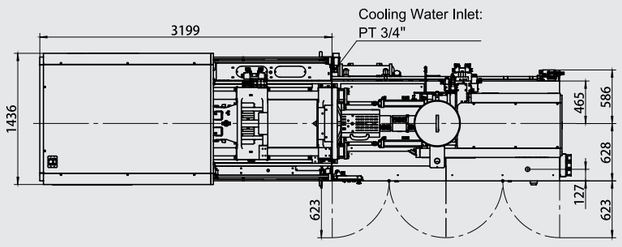
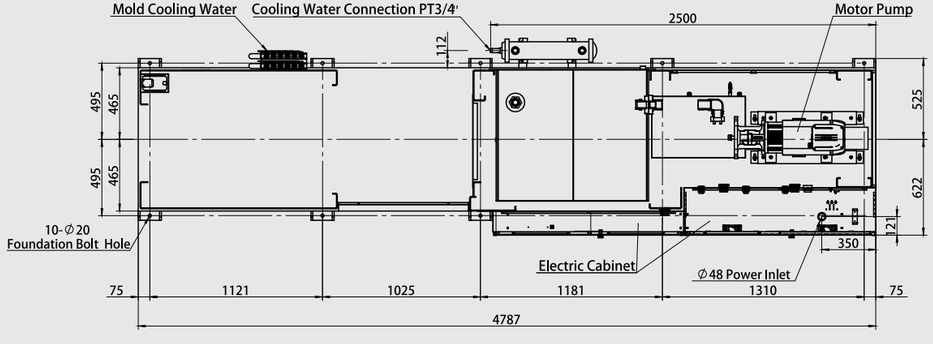
JM208 MK6 PRO Euroseries









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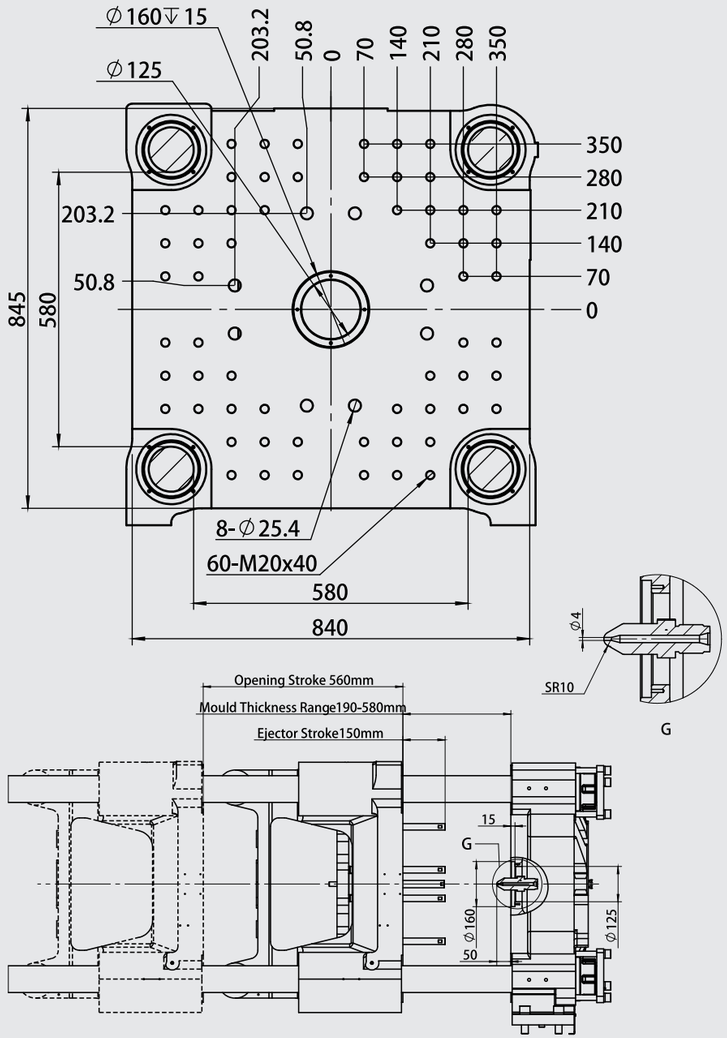
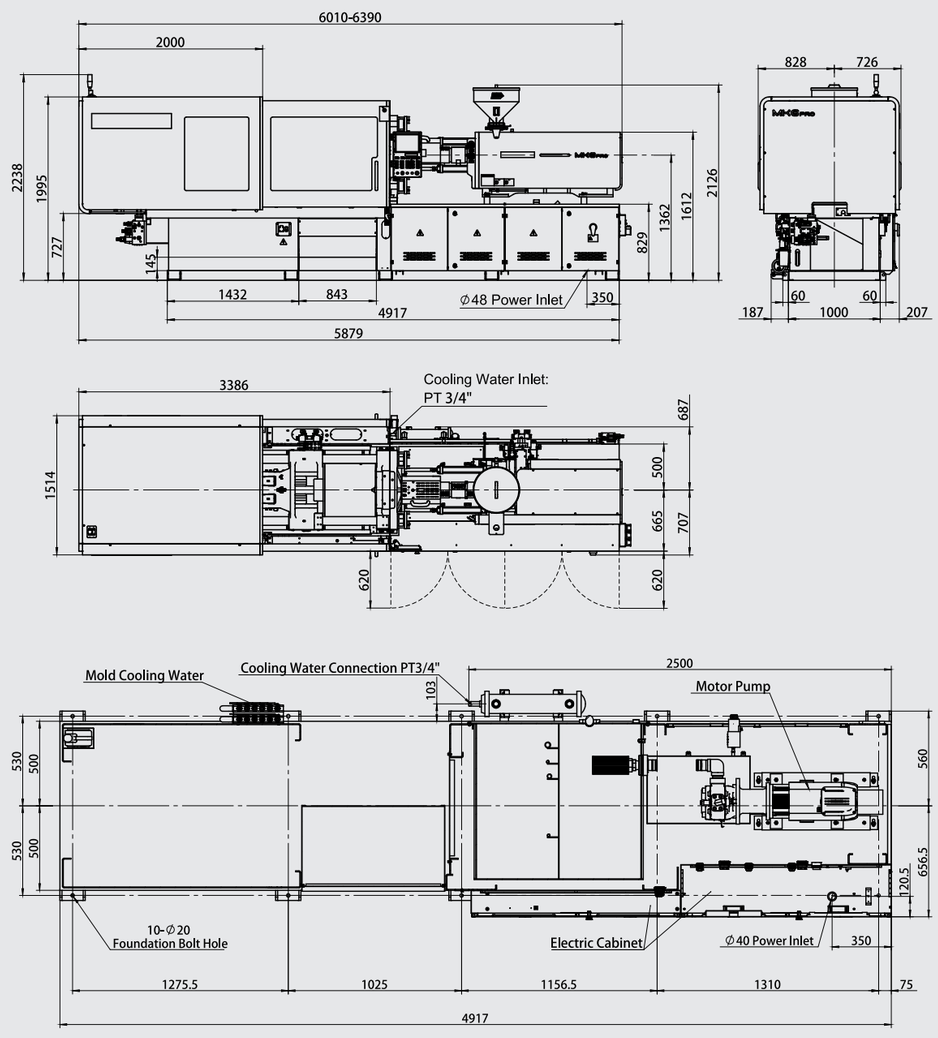
JM258 MK6 PRO Euroseries





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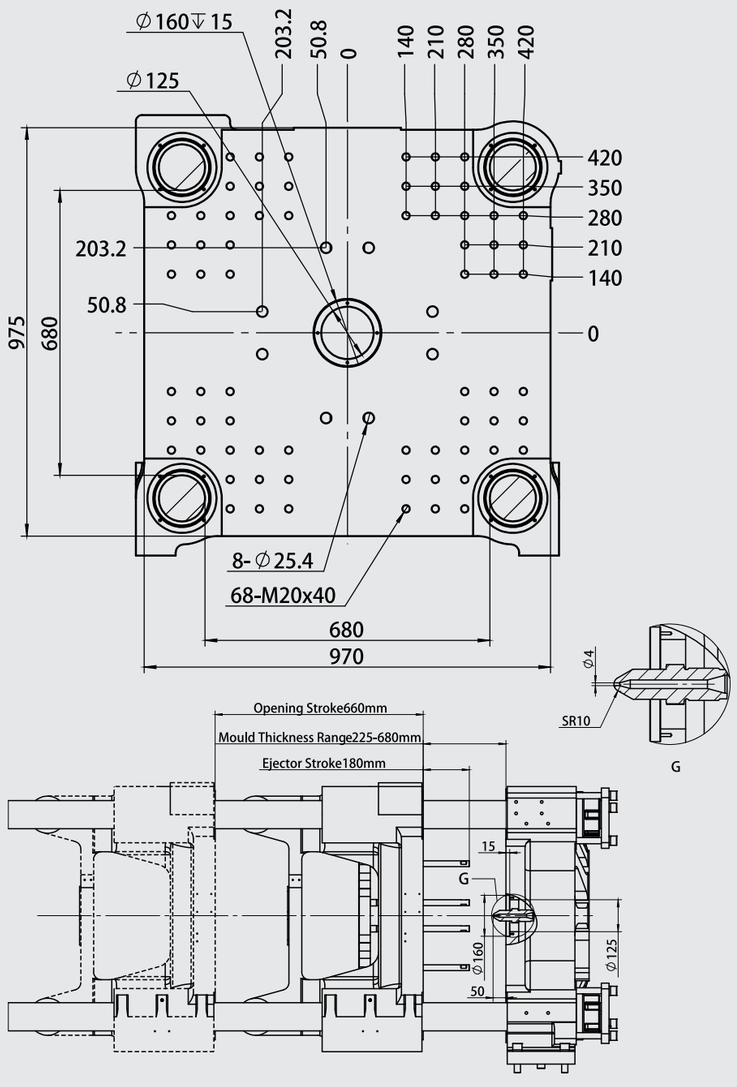
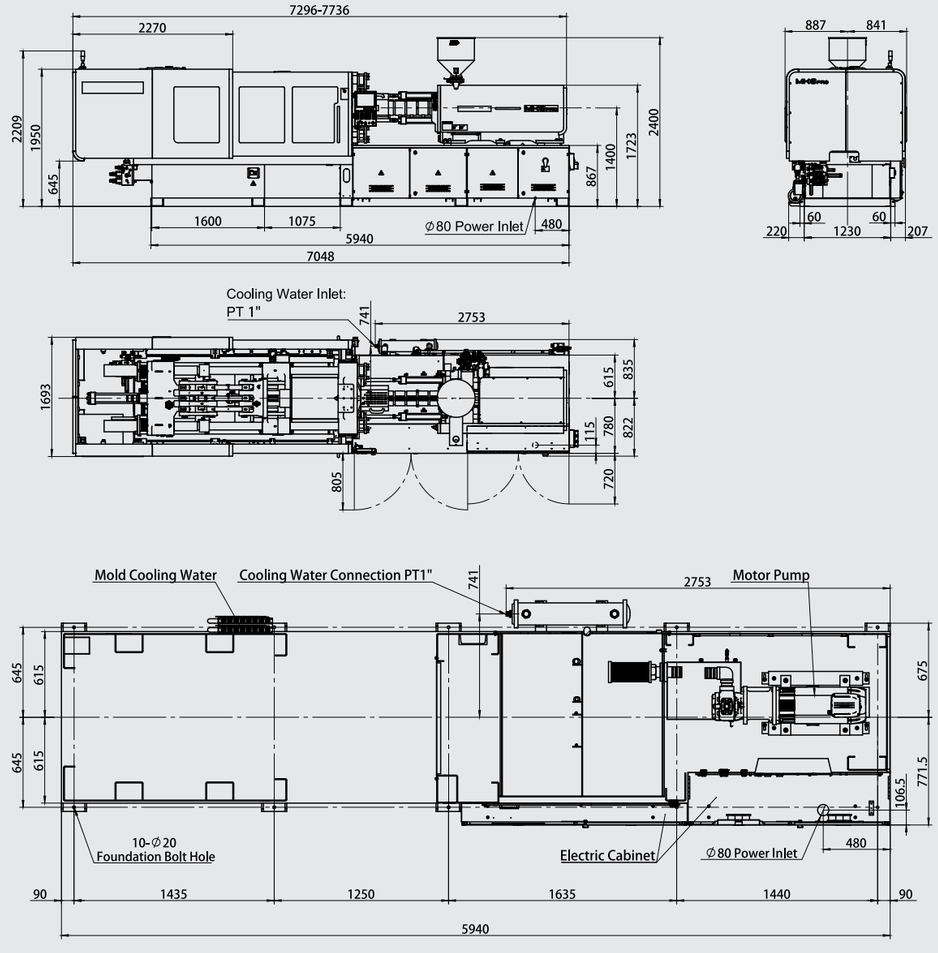
JM328 MK6 PRO Euroseries





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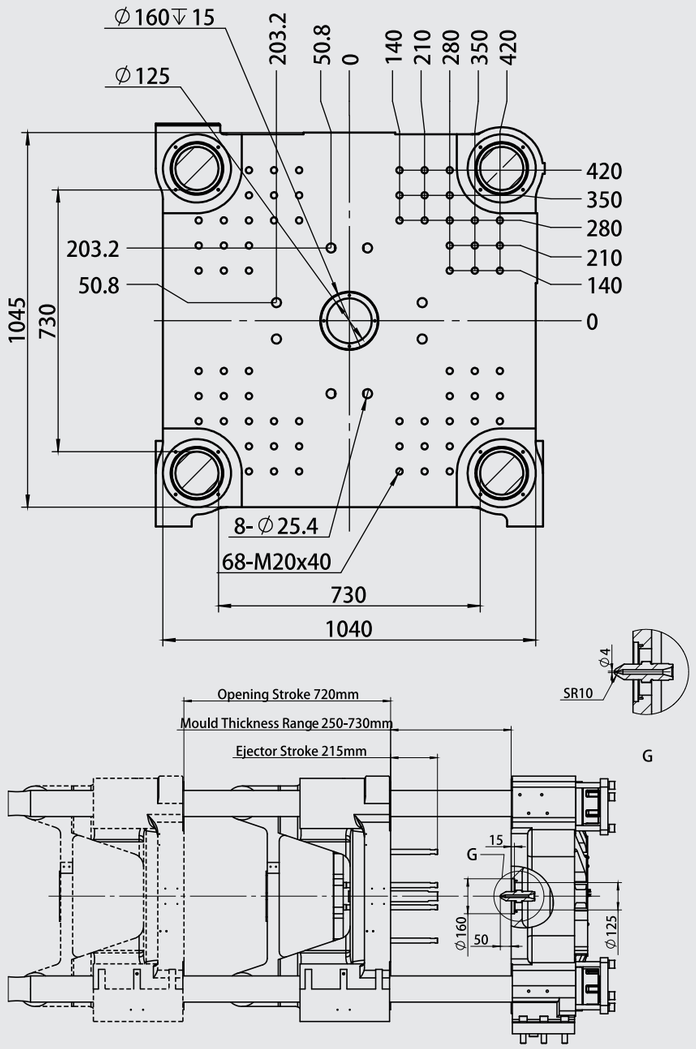
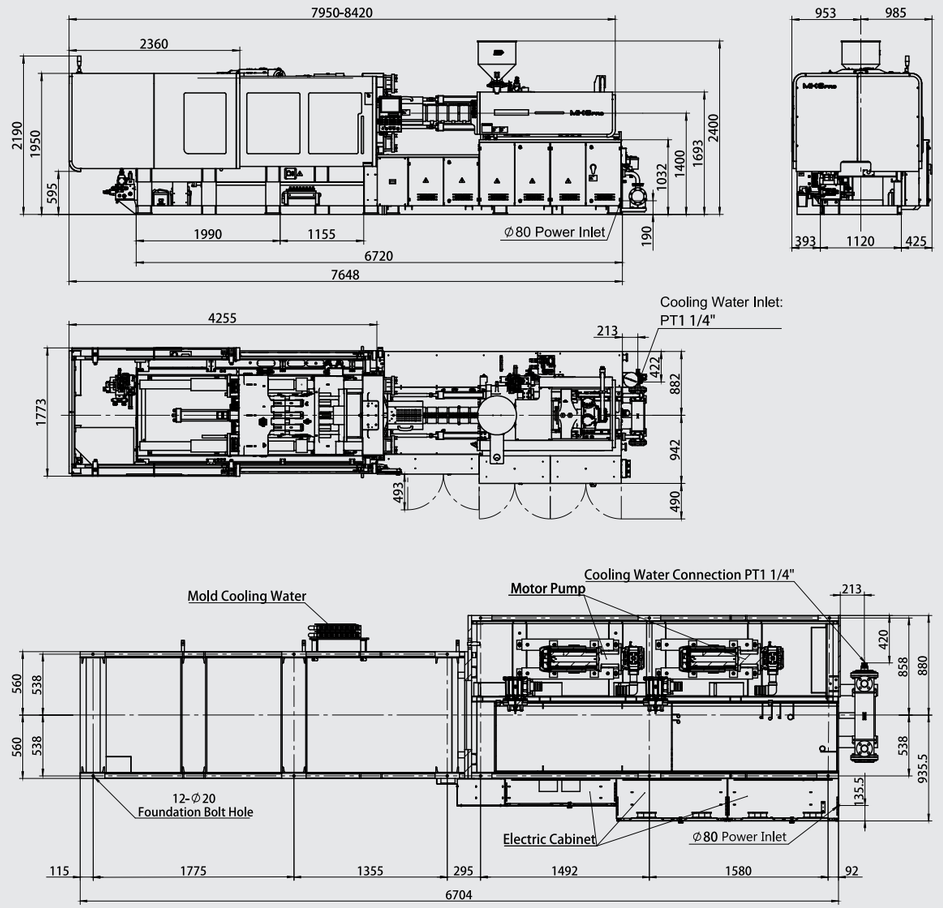
JM398 MK6 PRO Euroseries





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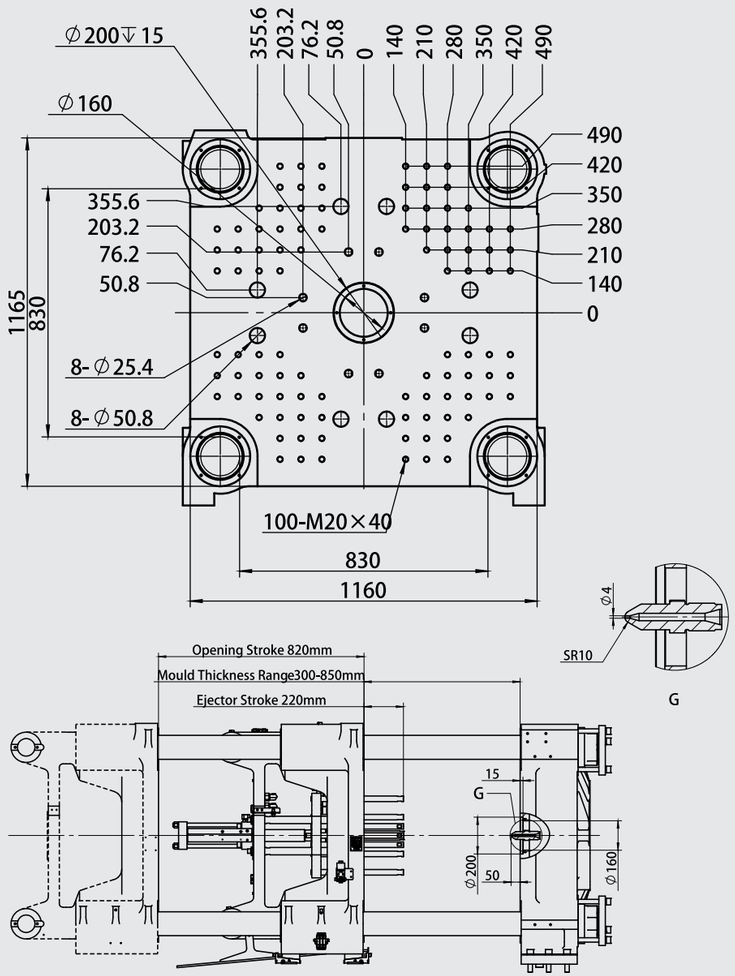
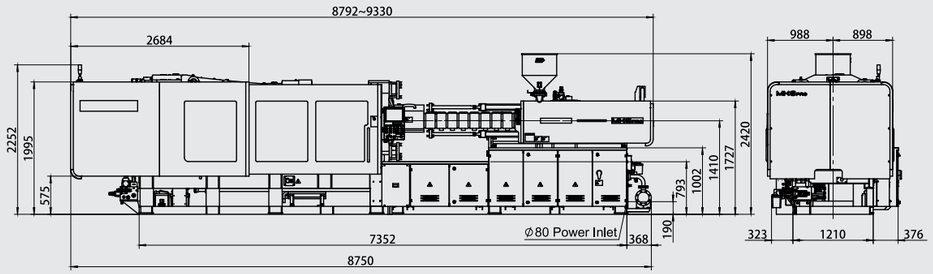
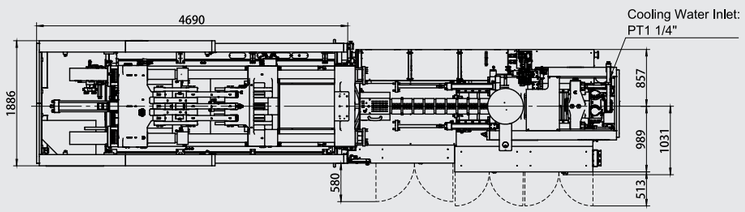
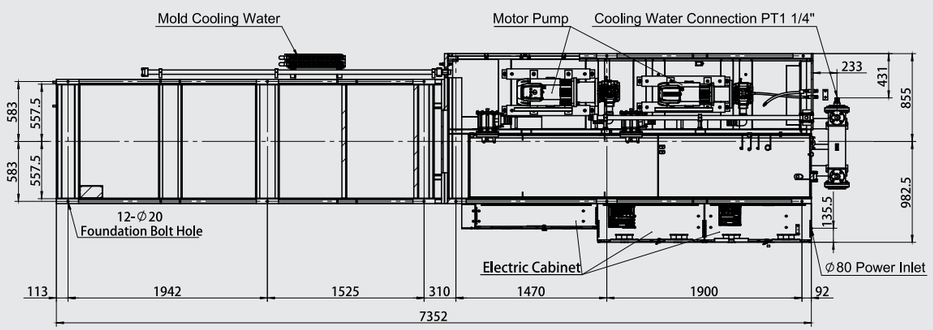
JM468 MK6 PRO Euroseries









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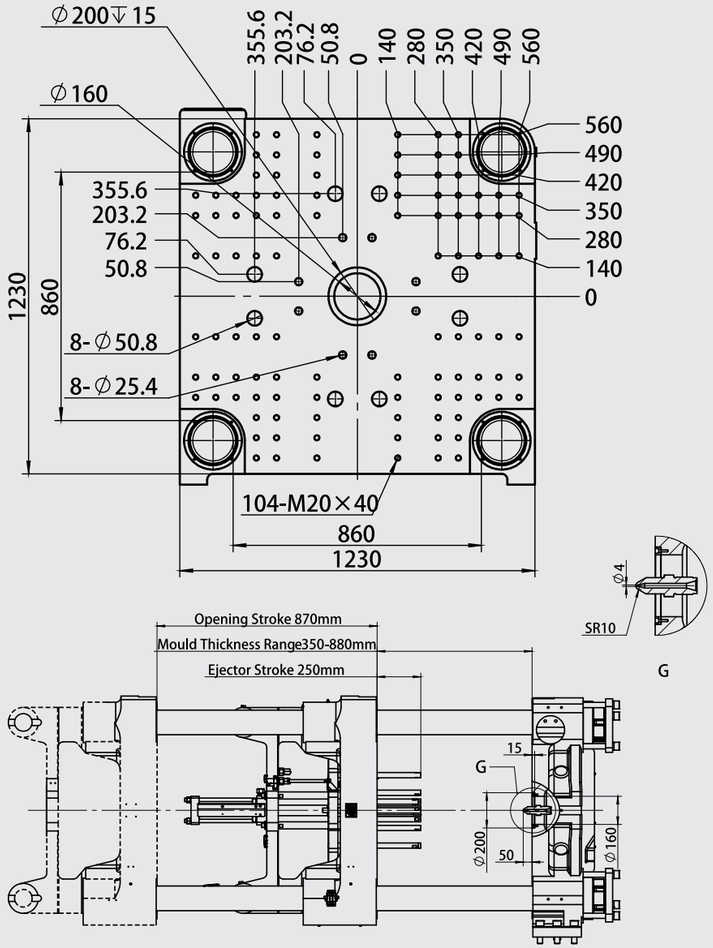
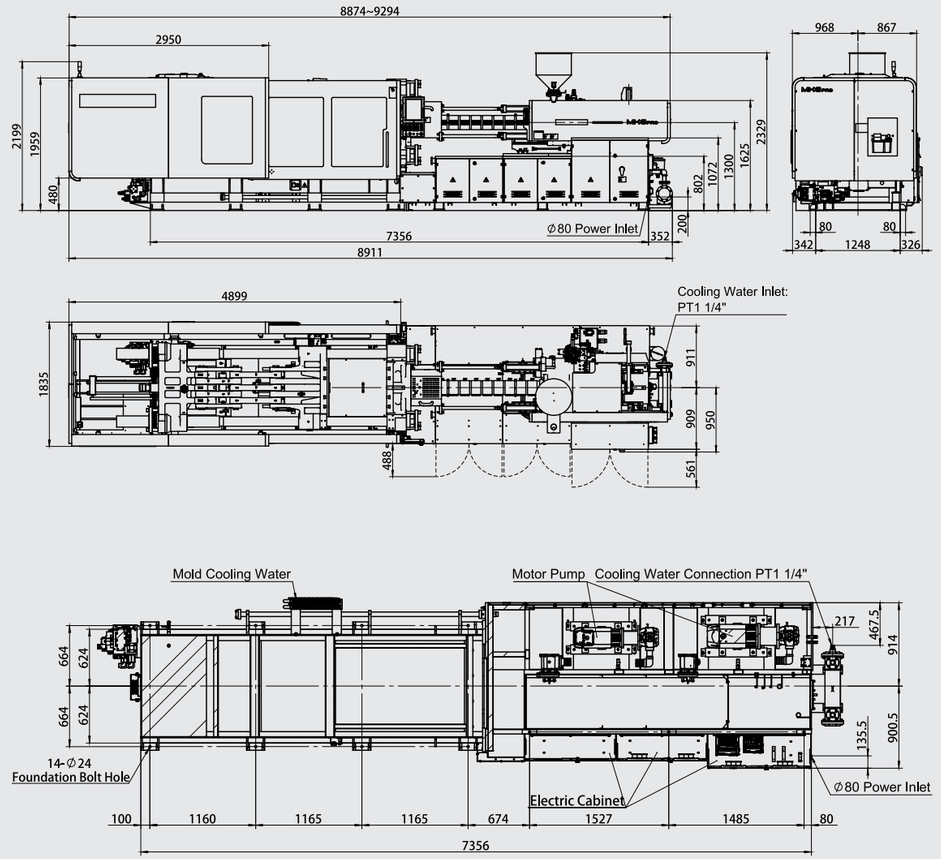
JM568 MK6 PRO Euroseries





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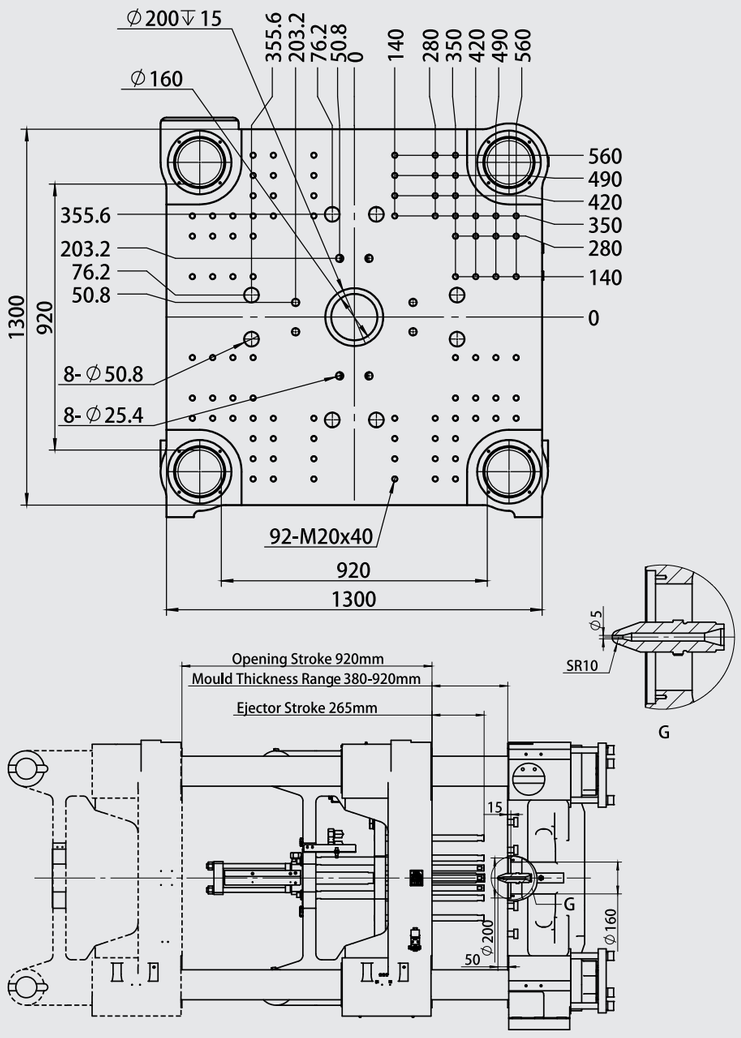
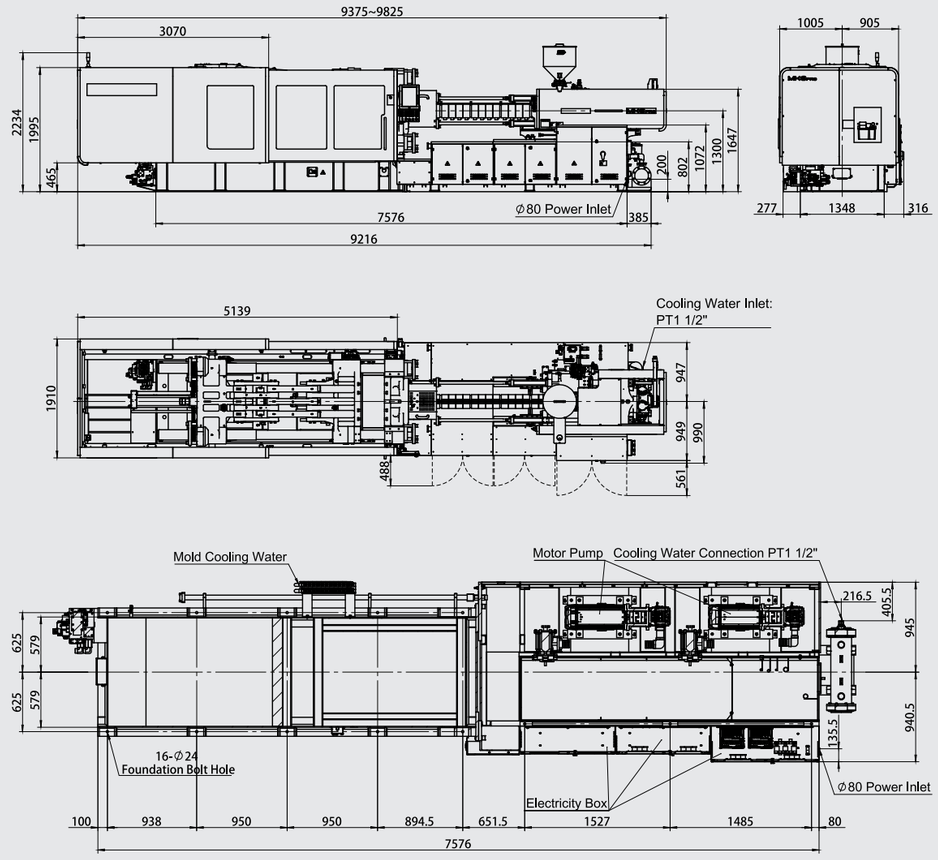
JM668 MK6 PRO Euroseries





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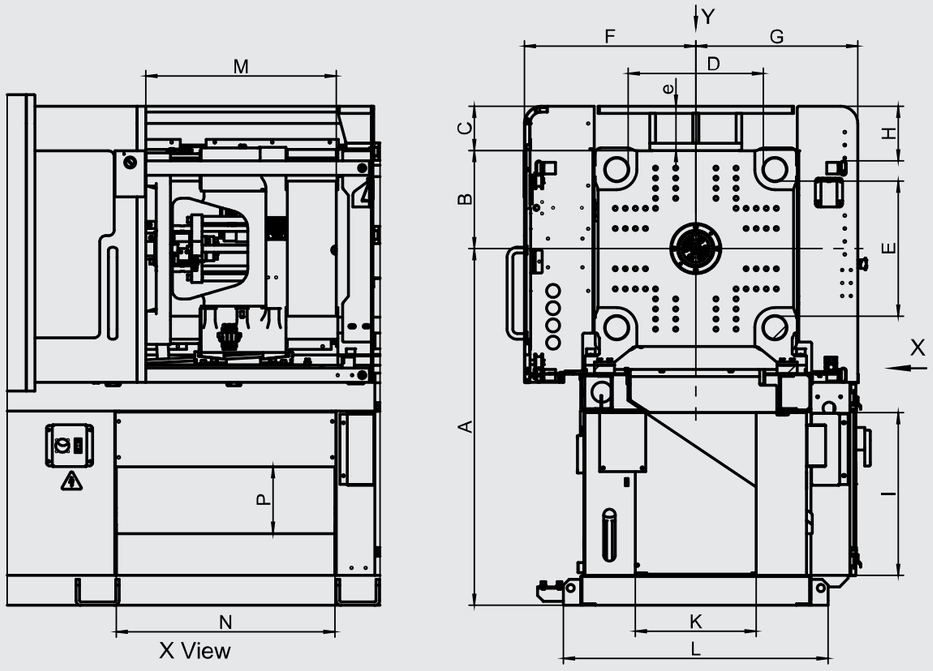
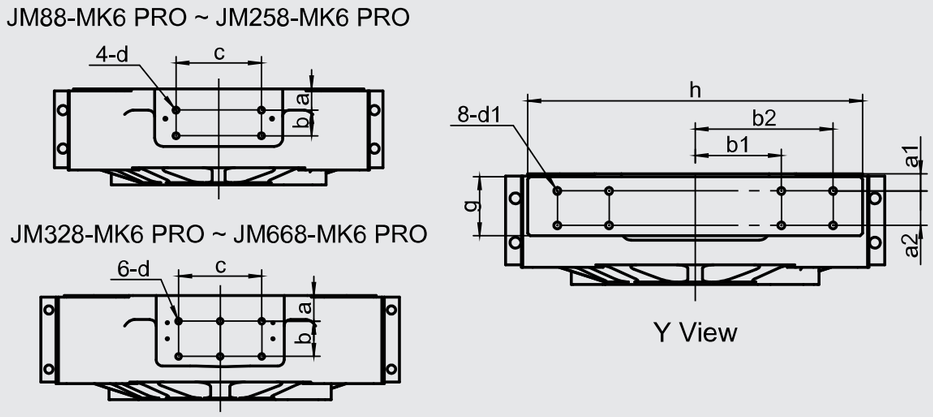
Robot installation Dimension diagram





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
JM88 MK6 PRO	1165	271	154	360	360	513	531	185	571	350	850	680	533	230	50	55	160	M16x32	154	115	530	17.5	35	140	210	M12
JM128 MK6 PRO	1200	301	154	410	410	583	541	180	571	370	870	745	670	200	50	55	160	M16x32	154	115	600	35	70	140	245	M16
JM168 MK6 PRO	1240	341	154	470	470	596	563	190	571	420	920	831	760	200	50	60	200	M16x32	154	120	680	35	70	175	280	M16
JM208 MK6 PRO	1317	395	150	530	530	728	628	190	571	500	1050	934	843	200	50	80	220	M16x32	154	136	760	35	70	175	280	M16
JM258 MK6 PRO	1362	423	170	580	580	768	666	213	571	570	1120	1002	843	193	70	105	220	M20x40	170	196	840	35	140	210	350	M20
JM328 MK6 PRO	1400	486	24	680	680	827	781	91	475	700	1350	1226	1075	475	80	110	260	M20x40	180	206	970	35	140	280	420	M20
JM398 MK6 PRO	1400	532	-22	730	730	893	803	91	410	920	1120	1504.5	1155	330	80	110	260	M20x40	178	206	1070	35	140	350	490	M20
JM468 MK6 PRO	1410	581	-36	830	830	948	858	91	350	1010	1210	1526	1325	270	80	110	300	M20x40	195	206	1190	35	140	350	490	M20
JM568 MK6 PRO	1300	635	-16	860	860	925	825	127	227	1022	1408	1567.5	965	135	90	140	820	M20x40	210	250	1350	42	148	450	620	M20
JM668 MK6 PRO	1300	675	-20	920	920	965	865	127	/	/	1348	1568	/	/	90	140	880	M20x40	225	250	1350	42	148	450	620	M20

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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)	2	
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)	●	
Hydraulic by-pass filter		○
Hydraulic oil pre-heat		○

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	●	

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