

Technical Data

DESCRIPTION	UNIT	BL50EKS-EVolution					
International specification		C130			C220		
Screw specification		A	B	C	A	B	C
Screw diameter	mm	18	22	25	25	28	32
L/D ratio		20	23	20.7	23	23	20.4
Theoretical injection capacity	cm³	28	42	54	79	98	129
Shot weight (PS)	g	26	38	50	72	91	118
	oz	0.9	1.4	1.8	2.6	3.2	4.2
Max. injection rate into Air	cm³/s	51	76	98	98	123	161
Max. injection rate into Air	g/s	46	69	89	89	112	146
Injection pressure	Mpa	300	299	232	290	230	177
Theoretical plasticizing speed	g/S(PS)	13	18	24	16	21	29
Injection stroke	mm	110			160		
Max. injection speed	mm/s	200			200		
Max. screw speed	r/min	290			260		
Sys. Pressure	MPa	14.0			17.5		
Charging Motor	kW	10.5			10.5		
Pump Motor	kW	15.3			15.3		
Number of Motors	PC	2			2		
Heater power	kW	4	5.23		5	6.9	
Number of temp. control zones		3+1			3+1		
Clamping force	kN	500					
Opening stroke	mm	320					
Space between tie bar	mm x mm	355×325					
Min. mould height	mm	125					
Max. mould height	mm	360					
Max. day light	mm	680					
Ejector stroke	mm	70					
Ejector force forward	kN	25					
Ejector force backward	kN	19					
Number of ejector bar	PC	5					
Energy consumption level	kN.h/kg	≤0.4			≤0.4		
Oil tank capacity	L	95			95		
Machine dimensions (L×W×H)	m x m x m	3.7x1.03x2.2			3.7x1.03x2.2		

BL75EKS-EVolution								
C130			C220			C340		
A	B	C	A	B	C	A	B	C
18	22	25	25	28	32	32	36	40
20	23	20.7	23	23	20.4	23	23	20.4
28	42	54	79	98	129	145	183	226
26	38	50	72	91	118	133	168	208
0.9	1.4	1.8	2.6	3.2	4.2	1.7	6.0	7.3
51	76	98	98	123	161	161	203	251
46	69	89	89	112	146	146	185	228
300	299	232	290	231	177	236	186	151
13	18	24	16	21	29	16	21	29
110			160			180		
200			200			200		
290			260			260		
14.0			17.5			18.5		
10.5			10.5			10.5		
15.3			15.3			17.1		
2			2			2		
4	5.23		5	6.9		7	7.6	
3+1			3+1			3+1		
750								
320								
355×325								
175								
420								
740								
70								
30								
19								
5								
≤0.4			≤0.4			≤0.4		
95			95			95		
4.2x1.03x2.2			4.2x1.03x2.2			4.2x1.03x2.2		

Technical Data

DESCRIPTION	UNIT	BL100EKS-EVolution								
International specification		C220			C340			C460		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	25	28	32	32	36	40	36	40	45
L/D ratio		20	23	20.7	20	23	20.7	23	23	20.4
Theoretical injection capacity	cm³	79	98	129	145	183	226	203	251	318
Shot weight (PS)	g	72	91	118	133	168	208	187	231	292
	oz	2.6	3.2	4.2	4.7	6.0	7.3	6.6	8.2	10.3
Max. injection rate into Air	cm³/s	98	123	161	161	203	251	203	251	318
Max. injection rate into Air	g/s	89	112	146	146	185	228	185	228	289
Injection pressure	Mpa	290	231	177	236	186	151	228	185	146
Theoretical plasticizing speed	g/S(PS)	13	18	24	13	18	24	16	21	29
Injection stroke	mm	160			180			200		
Max. injection speed	mm/s	200			200			200		
Max. screw speed	r/min	290			290			260		
Sys. Pressure	MPa	17.5			18.5			18.5		
Charging Motor	kW	10.5			10.5			17.2		
Pump Motor	kW	15.3			17.1			22.4		
Number of Motors	PC	2			2			2		
Heater power	kW	4.6	6.9		7	7.6		7.8	9.45	
Number of temp. control zones		3+1			3+1			3+1		
Clamping force	kN	1000								
Opening stroke	mm	360								
Space between tie bar	mm x mm	410×360								
Min. mould height	mm	160								
Max. mould height	mm	420								
Max. day light	mm	780								
Ejector stroke	mm	100								
Ejector force forward	kN	34								
Ejector force backward	kN	22								
Number of ejector bar	PC	5								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	115			115			115		
Machine dimensions (L×W×H)	m x m x m	4.6x1.4x2.2			4.6x1.4x2.2			5x1.4x2.3		

BL140EKS-EVolution								
C340			C460			C630		
A	B	C	A	B	C	A	B	C
32	36	40	36	40	45	40	45	50
20	23	20.7	23	23	20.4	23	23	20.7
145	183	226	203	251	318	283	358	442
133	168	208	187	231	292	260	329	406
4.7	6.0	7.3	6.6	8.2	10.3	9.2	11.6	14.4
161	203	251	203	251	318	252	318	393
146	185	228	185	228	289	229	290	358
236	186	151	228	185	146	223	176	142
13	18	24	16	21	29	21	29	39
180			200			225		
200			200			200		
290			260			260		
18.5			18.5			18.5		
10.5			17.2			17.2		
17.1			22.4			30.3		
2			2			2		
7	7.6		7.8	9.45		11.2	14.85	
3+1			3+1			3+1		
1400								
420								
460×410								
180								
470								
890								
130								
49								
37								
5								
≤0.4			≤0.4			≤0.4		
115			115			115		
5.1x1.5x2.2			5x1.5x2.3			5.6x1.5x2.2		

Technical Data

DESCRIPTION	UNIT	BL170EKS-EVolution								
International specification		C460			C630			C870		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	36	40	45	40	45	50	45	50	55
L/D ratio		23	23	20.4	23	23	20.7	23	23	20.9
Theoretical injection capacity	cm³	203	251	318	283	358	442	397	491	594
Shot weight (PS)	g	187	231	292	260	328	406	366	451	546
	oz	6.6	8.2	10.3	9.2	11.6	14.4	12.9	15.9	19.3
Max. injection rate into Air	cm³/s	203	251	318	252	318	393	318	392	475
Max. injection rate into Air	g/s	185	228	289	229	290	358	289	357	432
Injection pressure	Mpa	228	185	146	223	176	142	219	178	147
Theoretical plasticizing speed	g/S(PS)	16	21	29	21	29	39	29	39	50
Injection stroke	mm	200			225			250		
Max. injection speed	mm/s	200			200			200		
Max. screw speed	r/min	260			260			260		
Sys. Pressure	MPa	18.5			18.5			18.5		
Charging Motor	kW	17.2			17.5			17.2		
Pump Motor	kW	22.4			30.3			37		
Number of Motors	PC	2			2			2		
Heater power	kW	7.8	9.45		11.2	14.85		11.45	14.85	
Number of temp. control zones		3+1			3+1			4+1		
Clamping force	kN	1700								
Opening stroke	mm	480								
Space between tie bar	mm x mm	510×460								
Min. mould height	mm	200								
Max. mould height	mm	530								
Max. day light	mm	1010								
Ejector stroke	mm	150								
Ejector force forward	kN	49								
Ejector force backward	kN	37								
Number of ejector bar	PC	5								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	155			155			155		
Machine dimensions (L×W×H)	m x m x m	5x1.6x2.3			5.6x1.6x2.3			5.9x1.6x2.4		

BL230EKS-EVolution								
C630			C870			C1200		
A	B	C	A	B	C	A	B	C
40	45	50	45	50	55	50	55	60
23	23	20.7	23	23	20.9	23	23	21.1
283	358	442	397	491	594	530	641	763
260	329	406	366	451	546	487	590	702
9.2	11.6	14.4	12.9	15.9	19.3	17.2	20.8	24.8
251	318	392	319	393	476	392	475	565
228	289	357	290	358	433	357	432	514
223	176	142	219	178	147	226	187	157
21	29	39	29	39	50	29	39	50
225			250			270		
200			200			200		
260			260			220		
18.5			18.5			17.5		
17.2			17.2			21.4		
30.3			37			47.2		
2			2			2		
11.2	14.85		11.45	14.85		11.45	14.85	
3+1			4+1			4+1		
2300								
530								
560×510								
220								
580								
1110								
150								
67								
39								
9								
≤0.4			≤0.4			≤0.4		
200			200			200		
5.6x1.7x2.3			5.9x1.7x2.4			6x1.7x2.4		

Technical Data

DESCRIPTION	UNIT	BL280EKS-EVolution								
International specification		C1200			C1480			C2060		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	65	60	65	75
L/D ratio		23	23	21.1	23	23	21.2	23	23	20
Theoretical injection capacity	cm³	530	641	763	689	820	962	918	1078	1435
Shot weight (PS)	g	487	590	702	634	754	885	845	992	1320
	oz	17.2	20.8	24.8	22.4	26.6	31.3	29.9	35	46.7
Max. injection rate into Air	cm³/s	392	475	565	475	565	663	565	664	883
Max. injection rate into Air	g/s	357	432	514	432	514	604	515	604	804
Injection pressure	Mpa	226	187	157	216	181	154	208	177	133
Theoretical plasticizing speed	g/S(PS)	29	39	50	43	55	68	58	73	106
Injection stroke	mm	270			290			325		
Max. injection speed	mm/s	200			200			200		
Max. screw speed	r/min	220			220			220		
Sys. Pressure	MPa	17.5			18.5			18.0		
Charging Motor	kW	21.4			21.4			30.3		
Pump Motor	kW	47.2			56.1			65		
Number of Motors	PC	2			2			2		
Heater power	kW	11.45	14.85		18.5	21.3		21.8	26.25	
Number of temp. control zones		4+1			4+1			4+1		
Clamping force	kN	2800								
Opening stroke	mm	600								
Space between tie bar	mm x mm	660×610								
Min. mould height	mm	240								
Max. mould height	mm	680								
Max. day light	mm	1280								
Ejector stroke	mm	190								
Ejector force forward	kN	68								
Ejector force backward	kN	44								
Number of ejector bar	PC	13								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	200			200			200		
Machine dimensions (L×W×H)	m x m x m	6x1.8x2.4			6.6x1.8x2.4			7.4x1.8x2.5		

BL350EKS-EVolution								
C1480			C2060			C2500		
A	B	C	A	B	C	A	B	C
55	60	65	60	65	75	65	70	80
23	23	21.2	23	23	20	23	23	20.1
689	820	962	918	1078	1435	1194	1385	1809
634	754	885	845	992	1320	1098	1274	1664
22.4	26.6	31.3	29.9	35	46.7	38.8	45	58.8
475	565	663	565	664	883	611	709	926
432	514	604	515	604	804	556	645	514
216	181	154	208	177	133	207	179	137
46	58	73	58	73	106	73	82	114
290			325			360		
200			200			184		
220			220			220		
18.5			18			18		
21.4			30.3			30.3		
56.1			65			75.1		
2			2			2		
18.5	21.3		21.8	26.25		24	25.9	
4+1			4+1			4+1		
3500								
660								
710×660								
270								
720								
1380								
190								
68								
44								
13								
≤0.4			≤0.4			≤0.4		
280			280			280		
6.5x1.8x2.3			7.4x2x2.5			7x2x2.5		

Technical Data

DESCRIPTION	UNIT	BL470EKS-EVolution								
International specification		C2060			C3000			C3700		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	60	65	75	70	75	85	75	80	90
L/D ratio		23	23	20	23	23	20.3	23	23	20.4
Theoretical injection capacity	cm³	918	1078	1435	1423	1634	2099	1832	2085	2639
Shot weight (PS)	g	845	992	1320	1309	1503	1931	1686	1918	2428
	oz	29.9	35	46.7	46.3	53.1	68.2	59.6	67.8	85.8
Max. injection rate into Air	cm³/s	565	664	883	690	792	1017	794	903	1143
Max. injection rate into Air	g/s	515	604	804	628	721	926	722	822	1040
Injection pressure	Mpa	208	177	133	213	186	144	204	179	142
Theoretical plasticizing speed	g/S(PS)	58	73	106	84	101	142	99	117	159
Injection stroke	mm	325			370			415		
Max. injection speed	mm/s	200			179			180		
Max. screw speed	r/min	220			210			180		
Sys. Pressure	MPa	18			18			17.5		
Charging Motor	kW	30.3			40.9			70.7		
Pump Motor	kW	65			75.1			92.6		
Number of Motors	PC	2			2			2		
Heater power	kW	21.8	26.25		27	33		31.35	32.95	
Number of temp. control zones		4+1			4+1			5+1		
Clamping force	kN	4700								
Opening stroke	mm	750								
Space between tie bar	mm x mm	810×760								
Min. mould height	mm	300								
Max. mould height	mm	820								
Max. day light	mm	1570								
Ejector stroke	mm	210								
Ejector force forward	kN	116								
Ejector force backward	kN	72								
Number of ejector bar	PC	17								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	350			350			350		
Machine dimensions (L×W×H)	m x m x m	8.1x2.2x2.5			8.1x2.2x2.5			9x2.2x2.9		

BL550EKS-EVolution								
C3000			C3700			C4800		
A	B	C	A	B	C	A	B	C
70	75	85	75	80	90	80	85	95
23	23	20.3	23	23	20.4	23	23	20.5
1423	1634	2099	1832	2085	2639	2286	2581	3224
1309	1503	1931	1686	1918	2428	2103	2374	2966
46.3	53.1	68.2	59.6	67.8	85.8	74.3	83.9	104.8
690	792	1017	812	924	1170	851	961	1201
628	721	926	739	841	1065	775	875	1093
213	186	144	205	180	142	211	187	149
84	101	142	99	117	159	103	122	159
370			415			455		
179			184			169		
210			180			180		
18			18			17.5		
40.9			70.7			70.7		
75.1			92.6			92.6		
2			2			2		
27	33		31.35	32.95		39	41	
4+1			5+1			5+1		
5500								
850								
860×800								
350								
880								
1730								
220								
116								
72								
17								
≤0.4			≤0.4			≤0.4		
470			470			470		
8.1x2.3x2.5			9x2.3x2.9			9.7x2.3x3		

Technical Data

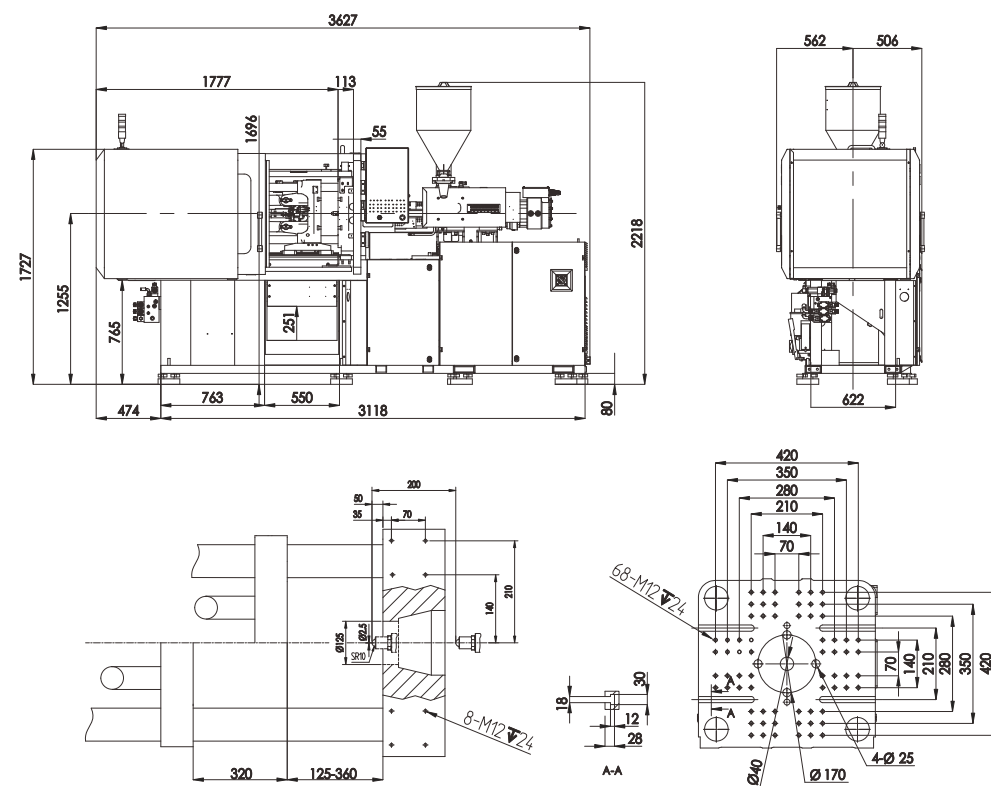
DESCRIPTION	UNIT	BL650EKS-EVolution								
International specification		C3700			C4800			C5800		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	75	80	90	80	85	95	80	90	100
L/D ratio		23	23	20.4	23	23	20.5	23	23	20.7
Theoretical injection capacity	cm³	1832	2085	2639	2286	2581	3224	2512	3179	3925
Shot weight (PS)	g	1686	1918	2428	2103	2374	2966	2311	2925	3611
	oz	59.6	67.8	85.8	74.3	83.9	104.8	81.7	103.4	127.6
Max. injection rate into Air	cm³/s	812	924	1170	851	961	1201	878	1111	1372
Max. injection rate into Air	g/s	739	841	1065	775	875	1093	799	1011	1248
Injection pressure	Mpa	199	175	138	211	187	149	233	176	143
Theoretical plasticizing speed	g/S(PS)	99	117	159	103	122	159	103	142	192
Injection stroke	mm	415			455			500		
Max. injection speed	mm/s	184			169			175		
Max. screw speed	r/min	180			180			180		
Sys. Pressure	MPa	17.5			17.5			17.5		
Charging Motor	kW	70.7			70.7			70.7		
Pump Motor	kW	92.6			92.6			117.5		
Number of Motors	PC	2			2			2		
Heater power	kW	31.35	32.95		39	41		44	49	
Number of temp. control zones		5+1			5+1			5+1		
Clamping force	kN	6500								
Opening stroke	mm	950								
Space between tie bar	mm x mm	960×860								
Min. mould height	mm	400								
Max. mould height	mm	1000								
Max. day light	mm	1950								
Ejector stroke	mm	240								
Ejector force forward	kN	154								
Ejector force backward	kN	110								
Number of ejector bar	PC	21								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	550			550			550		
Machine dimensions (L×W×H)	m x m x m	9x2.4x2.9			9.7x2.4x3			10.4x2.4x3.1		

BL750EKS-EVolution								
C3700			C5800			C8000		
A	B	C	A	B	C	A	B	C
75	80	90	80	90	100	90	100	110
23	23	20.5	23	23	20.7	23	23	20.9
1832	2085	2639	2512	3179	3925	3465	4278	5177
1686	1918	2428	2311	2925	3611	3188	3936	4763
59.6	67.8	85.8	81.7	103.4	127.6	112.7	139.1	168.3
812	924	1170	878	1111	1372	976	1205	1458
739	841	1065	799	1011	1248	888	1097	1327
199	175	138	223	176	143	225	182	150
99	117	159	103	142	192	118	160	204
415			500			545		
184			175			154		
180			180			150		
17.5			17.5			17.5		
70.7			70.7			81.7		
92.6			117.5			117.5		
2			2			2		
31.35	32.95		44	49		46	50	
5+1			5+1			6+1		
7500								
1050								
1060×960								
450								
1100								
2150								
270								
198								
129								
21								
≤0.4			≤0.4			≤0.4		
590			590			590		
9x2.6x2.9			10.4x2.6x3.1			11.5x2.6x3.1		

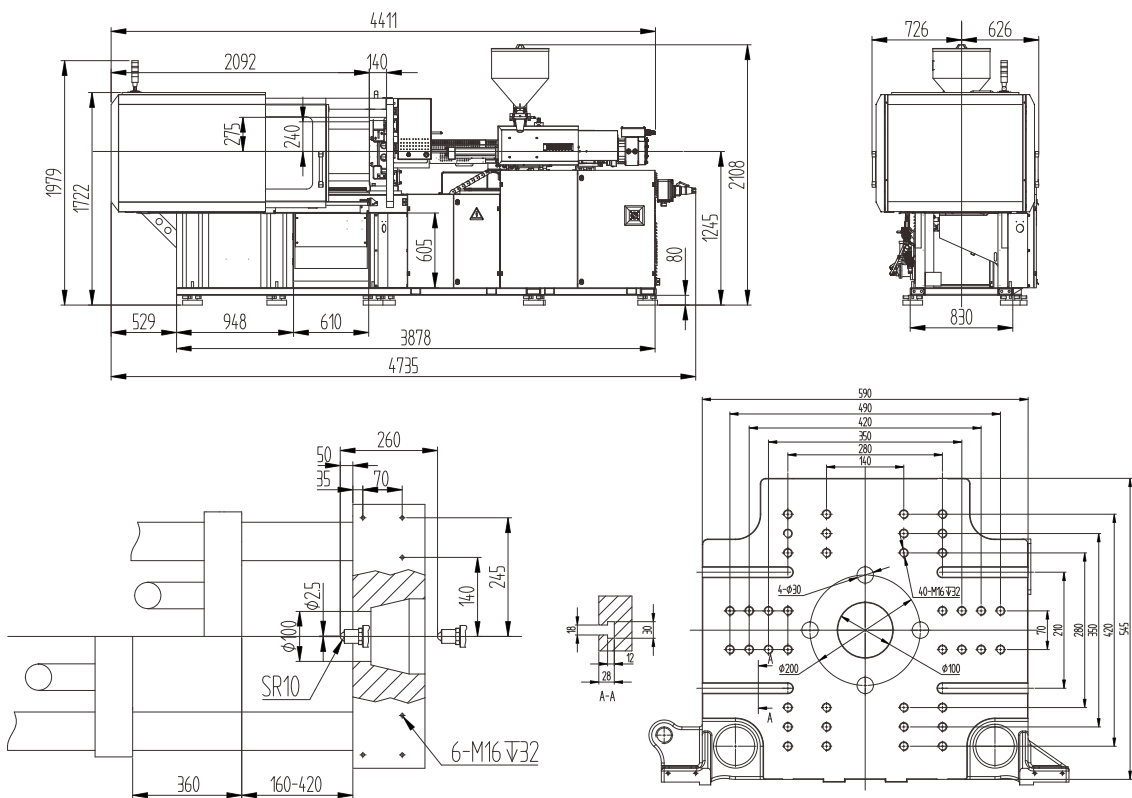
Technical Data

DESCRIPTION	UNIT	BL850EKS-EVolution								
International specification		C5800			C8000			C10000		
Screw specification		A	B	C	A	B	C	A	B	C
Screw diameter	mm	80	90	100	90	100	110	100	110	120
L/D ratio		23	23	20.7	23	23	20.9	23	23	21
Theoretical injection capacity	cm³	2512	3179	3925	3465	4278	5177	4671	5652	6726
Shot weight (PS)	g	2311	2925	3611	3188	3936	4763	4297	5199	6188
	oz	81.7	103.4	127.6	112.7	139.1	168.3	151.8	183.7	218.7
Max. injection rate into Air	cm³/s	878	1111	1372	976	1205	1458	1041	1260	1499
Max. injection rate into Air	g/s	799	1011	1248	888	1097	1327	947	1146	1364
Injection pressure	Mpa	223	176	143	225	182	150	211	174	146
Theoretical plasticizing speed	g/S(PS)	103	142	192	118	160	204	160	204	263
Injection stroke	mm	500			545			595		
Max. injection speed	mm/s	175			154			133		
Max. screw speed	r/min	180			150			150		
Sys. Pressure	MPa	17.5			17.5			17.5		
Charging Motor	kW	70.7			81.7			81.7		
Pump Motor	kW	117.5			117.5			117.5		
Number of Motors	PC	2			2			2		
Heater power	kW	44	49		46	0		56.2	61.8	
Number of temp. control zones		5+1			6+1			6+1		
Clamping force	kN	8500								
Opening stroke	mm	1100								
Space between tie bar	mm x mm	1120×1020								
Min. mould height	mm	450								
Max. mould height	mm	1150								
Max. day light	mm	2250								
Ejector stroke	mm	300								
Ejector force forward	kN	198								
Ejector force backward	kN	129								
Number of ejector bar	PC	21								
Energy consumption level	kN.h/kg	≤0.4			≤0.4			≤0.4		
Oil tank capacity	L	1000			1200			1400		
Machine dimensions (L×W×H)	m×m×m	10.4x2.8x3.1			11.5x2.8x3.1			11.7x2.8x3		

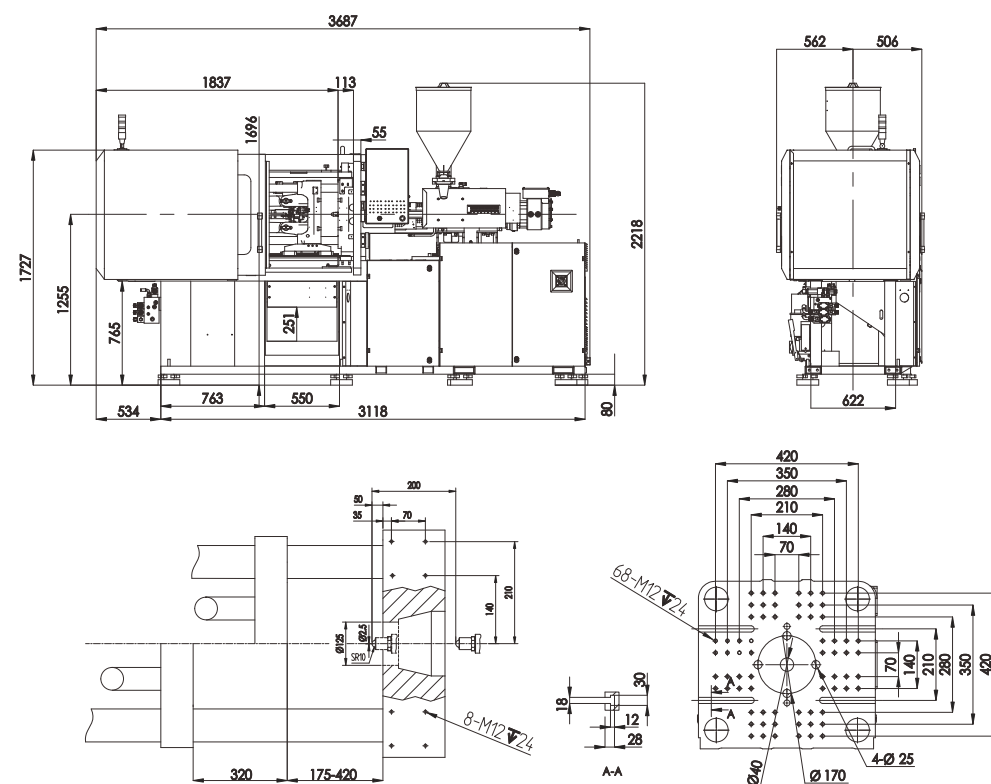
BL1000EKS-EVolution					
C8000			C10000		
A	B	C	A	B	C
90	100	110	100	110	120
23	23	20.9	23	23	21
3465	4278	5177	4671	5652	6726
3188	3936	4763	4297	5199	6188
112.7	139.1	168.3	151.8	183.7	218.7
976	1205	1458	1041	1260	1499
888	1097	1327	947	1146	1364
225	182	150	211	174	146
118	160	204	160	204	263
545			595		
154			133		
150			150		
17.5			17.5		
81.7			81.7		
117.5			117.5		
2			2		
46	50		56.2	61.8	
6+1			6+1		
10000					
1150					
1160×1060					
500					
1200					
2350					
300					
248					
165					
21					
≤0.4			≤0.4		
1200			1400		
11.5x3.4x3.1			11.7x3.4x3		



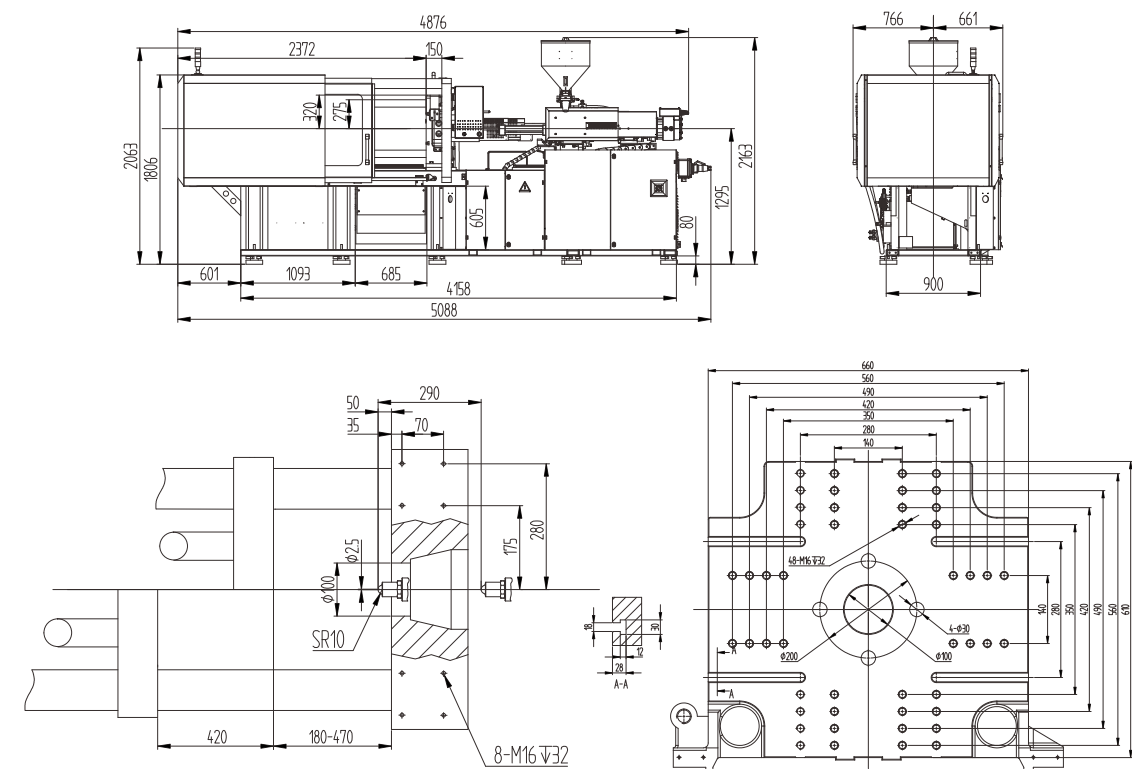
BL50EKS-EVolution



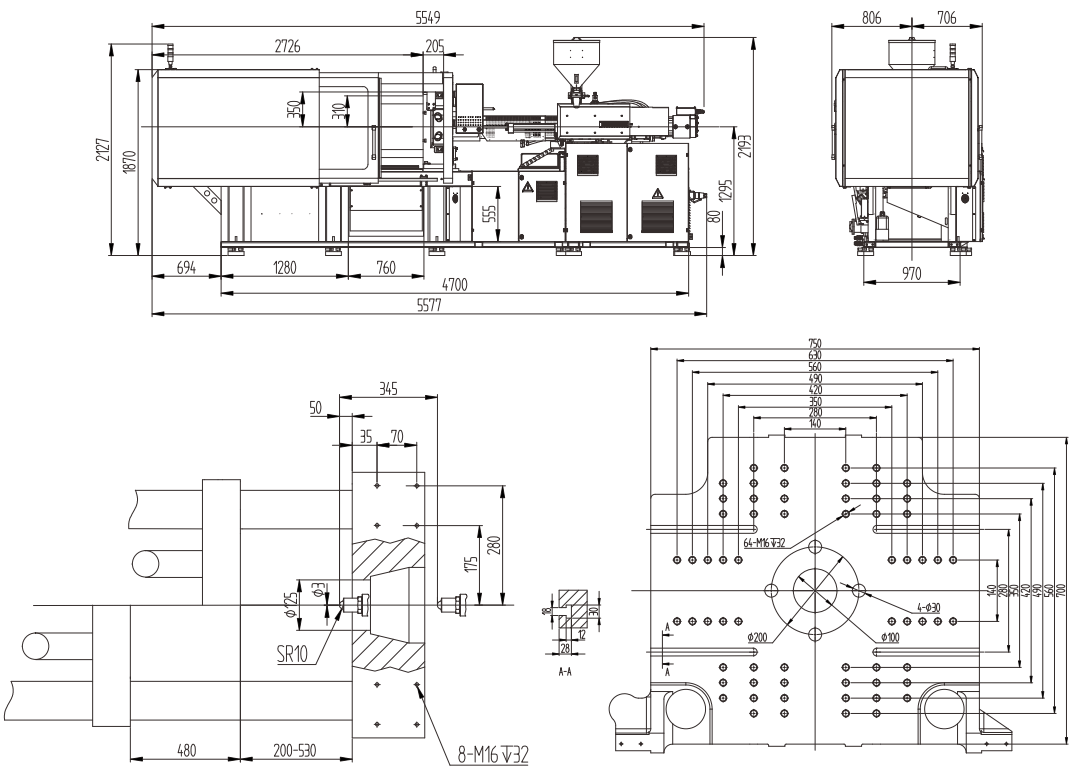
BL100EKS-EVolution



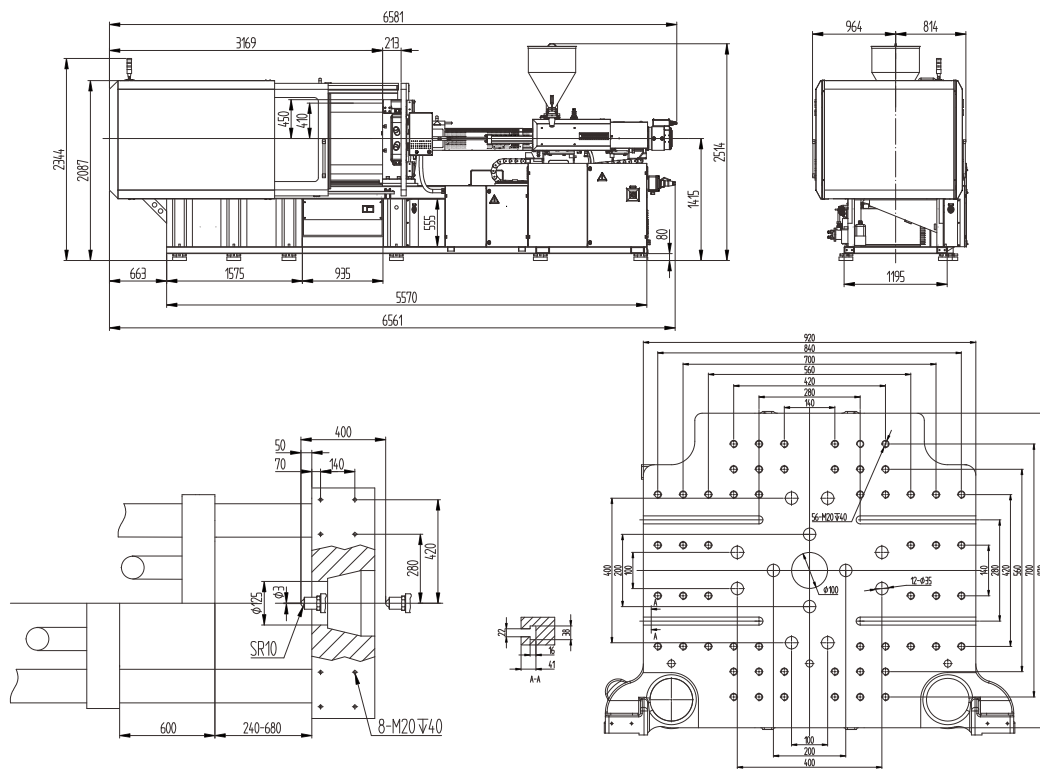
BL75EKS-EVolution



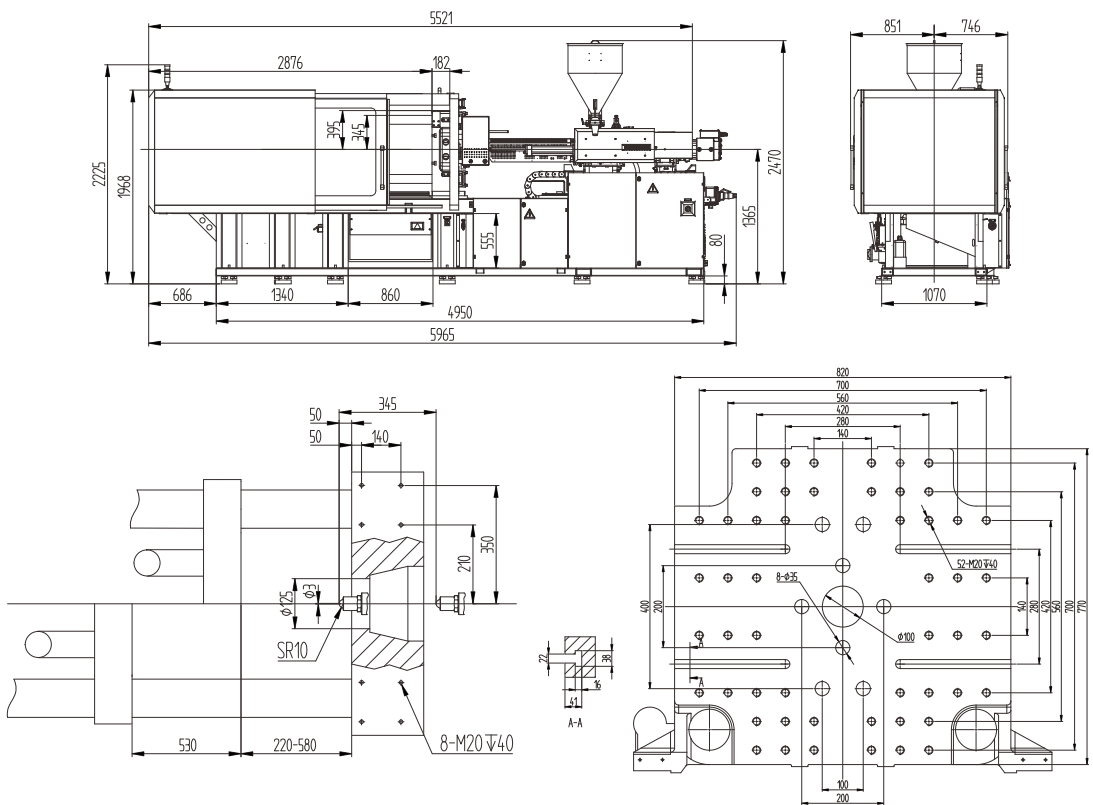
BL140EKS-EVolution



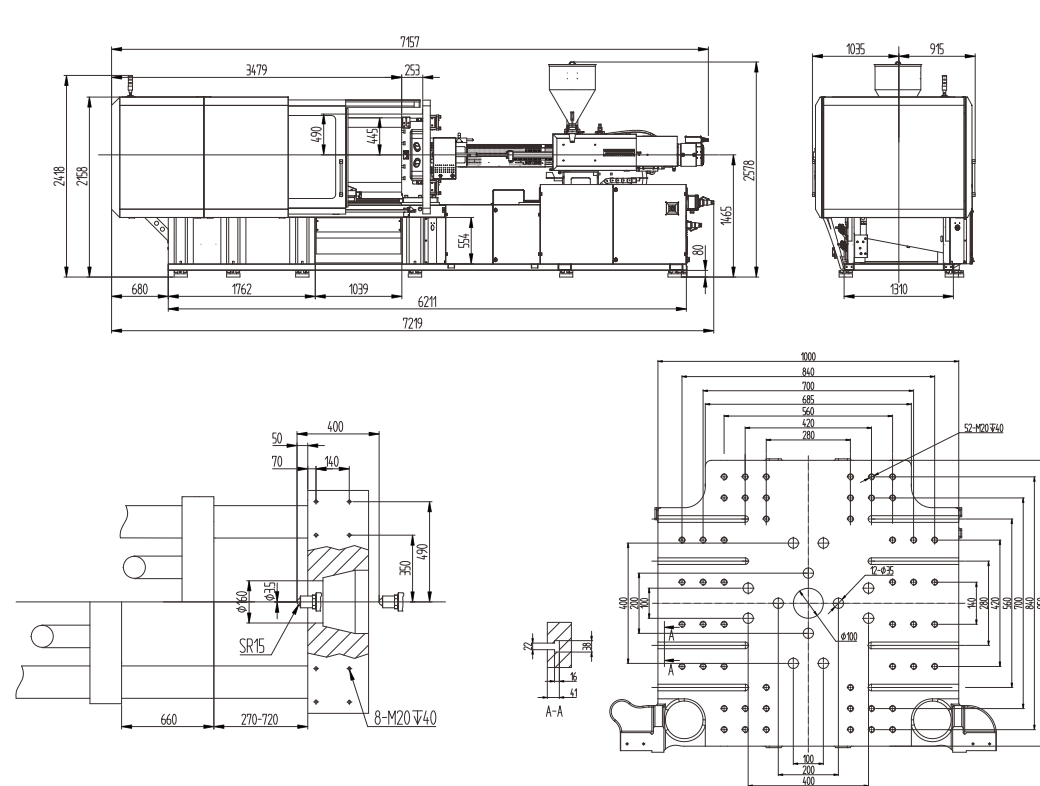
BL170EKS-EVolution



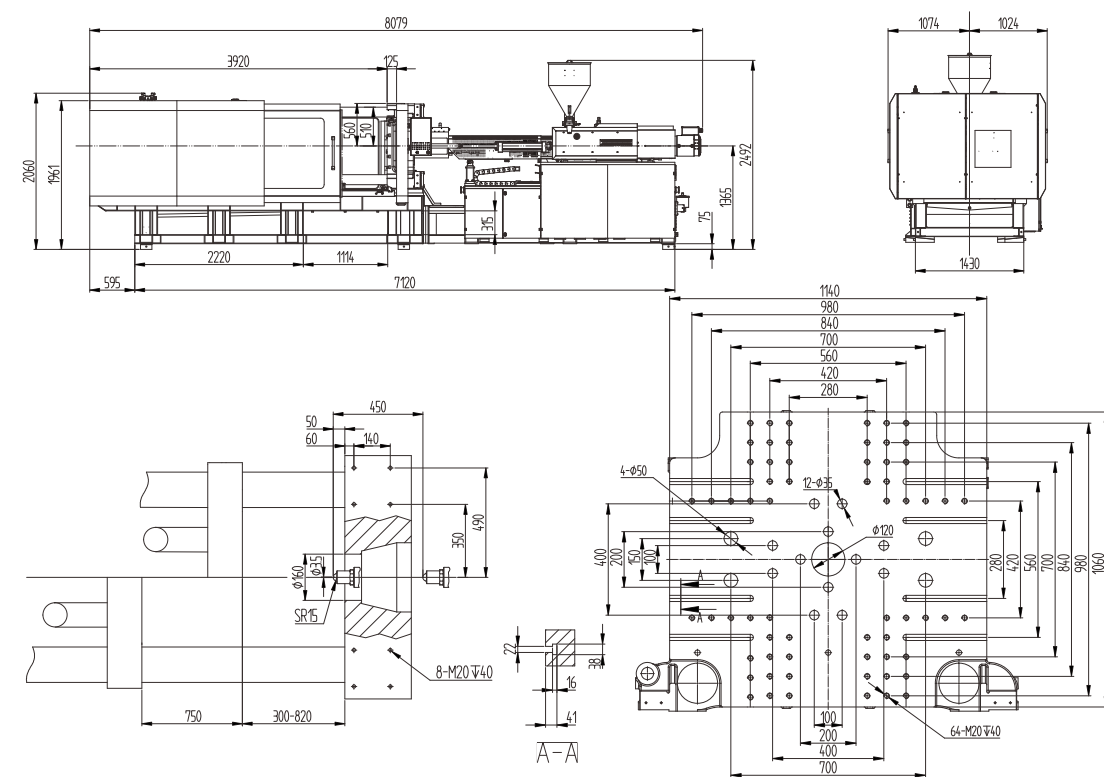
BL280EKS-EVolution



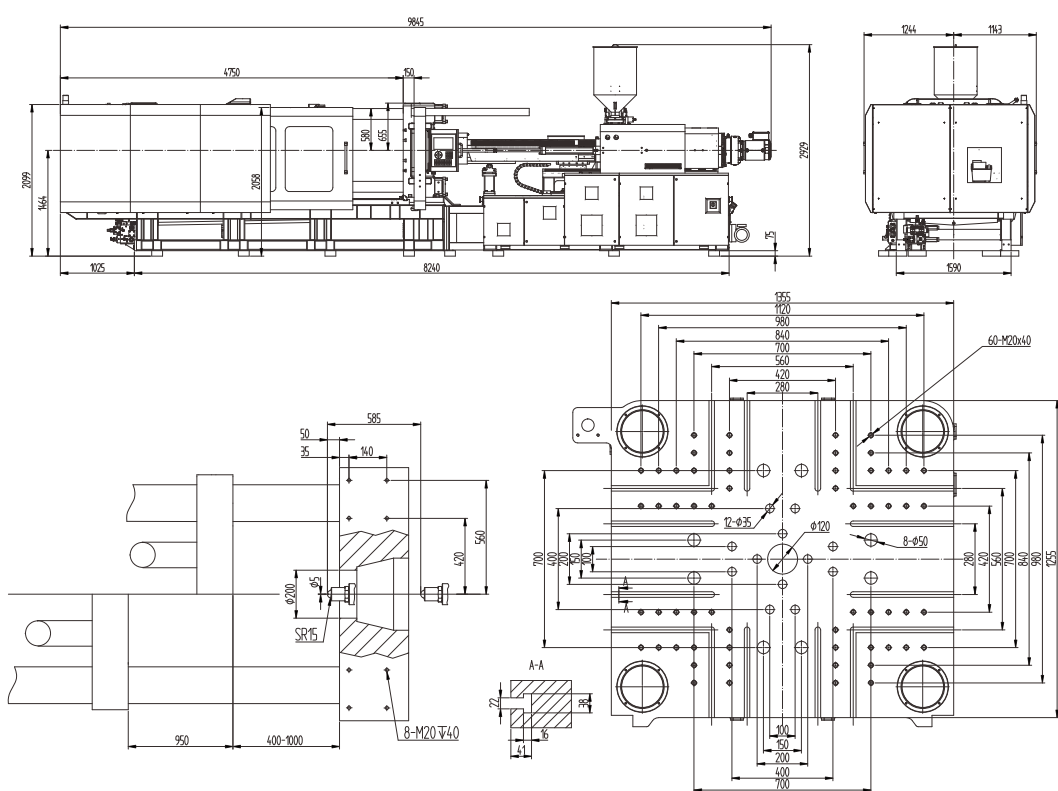
BL230EKS-EVolution



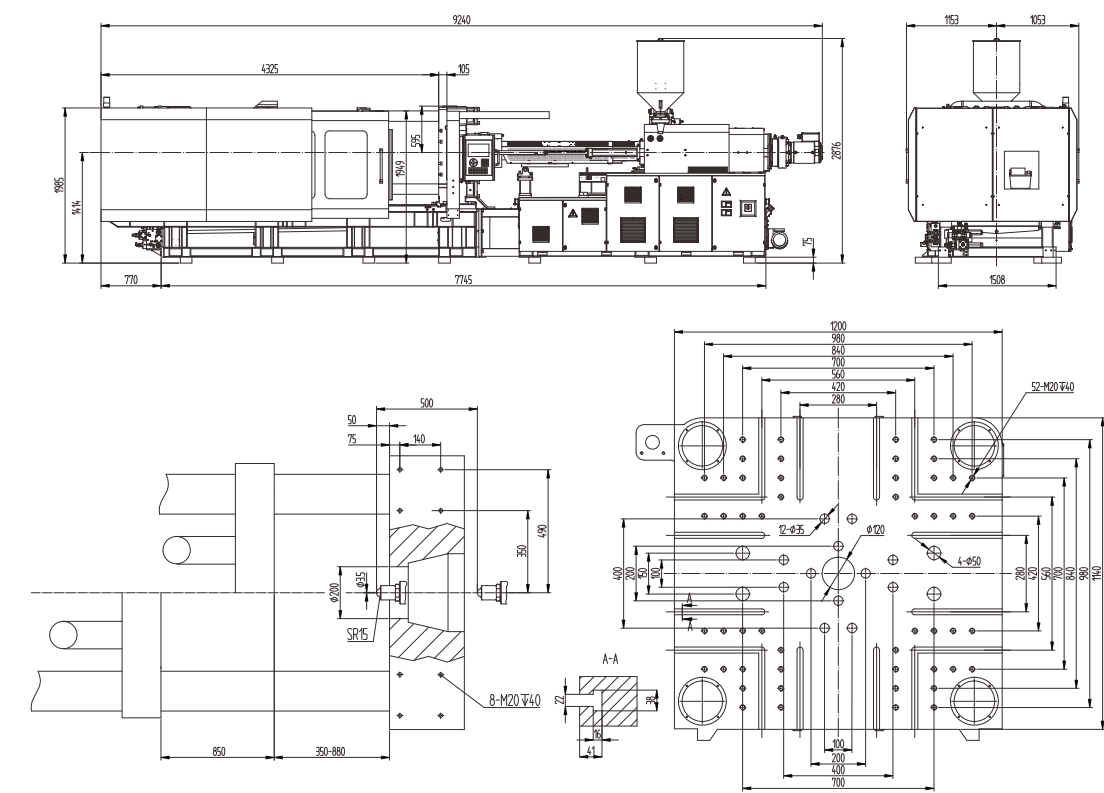
BL350EKS-EVolution



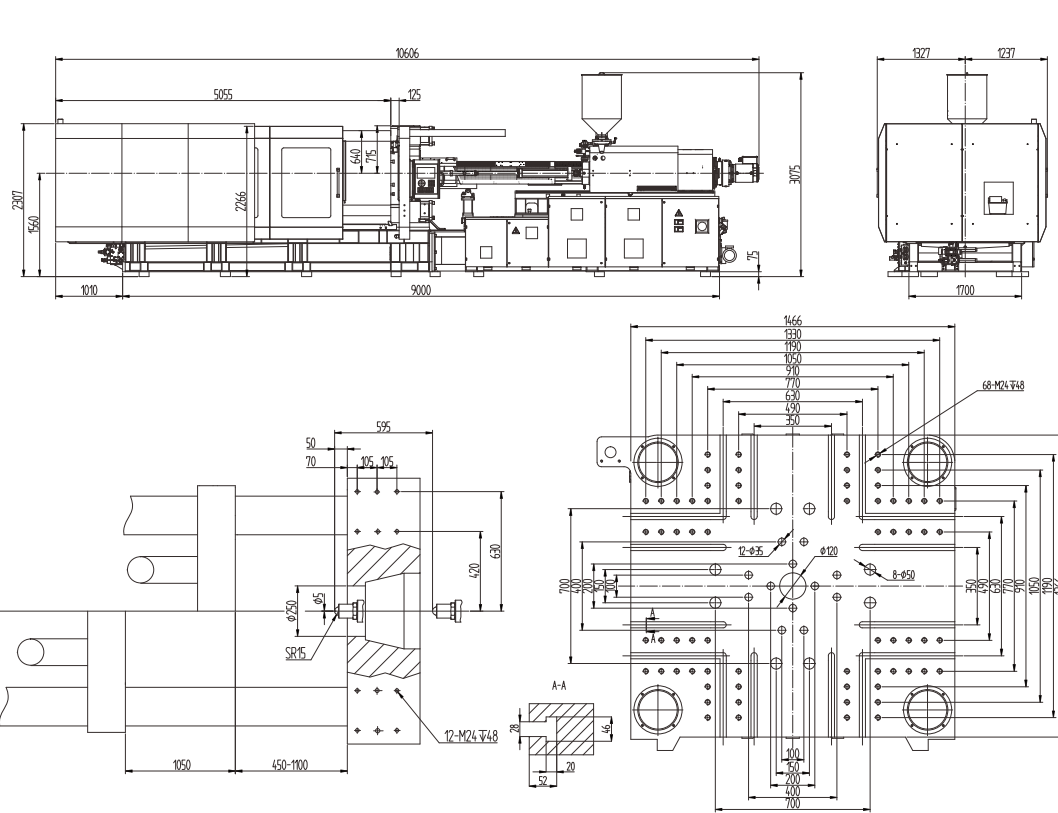
BL470EKS-EVolution



BL650EKS-EVolution



BL550EKS-EVolution



BL750EKS-EVolution



● Standard © Optional

Injection Unit	100-470EKW EVO lution		50-1000EKS EVO lution	
	Standard	Optional	Standard	Optional
New design in twin-cylinder, less oil return friction	●		●	
Linear guide design of injection base and plasticizing base	●		●	
Oil-cooled E-charging motor under new design	●		●	
Higher efficient bimetallic screw and nitrided barrel	●		●	
PID temperature control for nozzle and barrel heating zones	●		●	
Nozzle guard	●		●	
Twin carriage cylinders, to ensure excellence in nozzle contact force and injection precision	●		●	
Injection stroke controllable by high precision transducer	●		●	
The centering device of nozzle	●		●	
Time-setting pre-heating function, to avoid screw running under status of coldness	●		●	
Screw anti-fluid device (pull-out/retract/suck back)	●		●	
Six stages of injection, five stages of pressure holding, five stages of charging. Pressure and speed adjustable	●		●	
Screw rotation speed detection	●		●	
Auto purge function	●		●	
Proportional back pressure	●		●	
Centralized manual lubrication at injection unit	●		●	
Standard hopper	●		●	
Anti-skid metal pedal at injection unit	●		●	
New design ceramic heater bands	●		●	
Extended nozzle 50mm longer in length	●		●	
Temperature control at hopper feeding zone	●		●	
Swivelling injection unit, for easier changing screw and barrel	●		●	
Extended nozzle 100mm longer in length		⊙		⊙
Shut-off nozzle (hydraulic or spring type or pneumatic)		⊙		⊙
Centralized auto lubrication at injection unit		⊙		⊙
Infrared heater bands		⊙		⊙
Customized screw and barrel, e.g. PC, PMMA, PBT, PA, etc		⊙		⊙
Barrel cooling fan devices		⊙		⊙
Signal interface for air assistant injection		⊙		⊙
Signal interface for dosing/colorimeter		⊙		⊙
Micro foaming moulding process		⊙		⊙

EVO series setup list

Clamping Unit	● Standard ◎ Optional			
	100-470EKW EVO lution		50-1000EKS EVO lution	
	Standard	Optional	Standard	Optional
Optimized version of patented outside five-point mold clamping structure	●		●	
Platen/toggle structure middle transition plate/toggle use QT500-7 high rigid ductile iron	●		●	
T-slot platen, including thread holes	●		●	
The sliding feet of moving plate is supported by linear guide	●		●	
Security protection under hydraulic and electric control	●		●	
Hydraulic auto-adjust motor at mould height movements	●		●	
Auto adjust funtion of clamping force according to exact mould situation	●		●	
Eu I8 robot assembly standard on top of stationary/fixed platen	●		●	
Low pressure mould protection function	●		●	
Mould opening&closing, ejecting movements controllable by high precision transducer	●		●	
High precision open-close mould positioning control system, positioning repetition accuracy up to ±0.5mm (patent design)	●		●	
Selectable of ejector modes, setting by pressure and speed	●		●	
Cooling water distributor, 8in/8out (50~400T), 12in/12out (470~850T), 24in/24out (1000T)	●		●	
Mechanial protection on safety door edges	●		●	
Five stages in mould opening and closing, controllable via speed and pressure	●		●	
Auto lubrication system with alarm feedback	●		●	
Enclosed metal sheets and movable gates	●		●	
Two pcs air valves for blowing (one on FP, one on MP)	●		●	
Mechanical security device		◎		◎
Sorting device under pieces dropping area, separating for good and bad parts		◎		◎
Mold monitor		◎		◎
Mold heat shield plate		◎		◎
Central ejector forced reset function		◎		◎
Enlarger ejector force		◎		◎
Enlarger ejector stroke		◎		◎
Sub ejectors reinforced reset function		◎		◎
Magnetic plates		◎		◎
Hydraulic mould clamp		◎		◎
Enlarger mould height		◎		◎
Electric/hydraulic spin demolding system		◎		◎
Mould lift		◎		◎
Eu2 plate design		◎		◎
Auto door control and safety switch in its buttom and confirmed button in mould closing		◎		◎
Wider auto doors		◎		◎
Higher machine height		◎		◎
Customized cooling water distributors according to you requests		◎		◎

Others	● Standard ◎ Optional			
	100-470EKW EVO lution		50-1000EKS EVO lution	
	Standard	Optional	Standard	Optional
BOLE EVOLution standard color (logo and model in grey)	●		●	
Machine level pads	●		●	
Tool box, wearing parts, mould clamps, extended nozzle, user manual, etc.	●		●	
Special color		◎		◎
Robots		◎		◎
Conveyers		◎		◎
Crusher		◎		◎
Dosing unit		◎		◎
Mould temperature controller		◎		◎
Magnetic rods, use with hopper dryer, to avoid metal chips going into feeding zone		◎		◎
Hopper loader, hopper dryer, dehumidified device		◎		◎
Auto loader		◎		◎
Hydraulic oil		◎		◎
Machine labels in different languages		◎		◎

EVO series setup list

Electrical part	● Standard ◎ Optional			
	100-470EKW EVO lution		50-1000EKS EVO lution	
	Standard	Optional	Standard	Optional
ARCUCHI controller 12" touch screen	●			
ARCUCHI controller 15" touch screen			●	
Multiple language choosable	●		●	
Safety relay	●		●	
Three-color alarm sensor	●		●	
Real-time clamping force monitoring	●		●	
Servo system uses CAN/EtherCAT communications	●		●	
AC contact protection for servo inverters	●		●	
Digital monitor and display of energy consumption	●		●	
Simplized robot interface, neither EU12 nor Eu67	●		●	
PID auto temperature control, realizes cylinder temperature self-correcting	●		●	
Heating dual protection and control by solid state relay	●		●	
USB plug for easy backup and mould data storage	●		●	
Memory function before power off, can store data for 1000 sets of mold	●		●	
1000 group abnormal alarm and 1000 group modify record store	●		●	
Login and logout access via RFID card	●		●	
I/O detection and i/o online simulation function, to quickly confirm machine's status	●		●	
Emergency stop button at front door and rear door	●		●	
Quality data process monitoring	●		●	
Production statistical process control real-time list interface (SPC)	●		●	
Sockets, 5-core 32A x 2, 5-core 16A x 2, 3-core 220V x 2	●		●	
Feeding zone detective sensor	●		●	
EU12/EU67 robot interface		◎		◎
Sequential injection interfaces		◎		◎
Socket with different power or qty as required		◎		◎
Integrated hot runner		◎		◎
Ejector/core pull protection interface		◎		◎
Digital meter to monitoring real time energy consumption data		◎		◎
Remote monitoring system		◎		◎
Industrial 4.0 net (RS232/CAN/EtherCAT)		◎		◎
Front and rear door light curtains protection		◎		◎

Hydraulic part	● Standard ◎ Optional			
	100-470EKW EVO lution		50-1000EKS EVO lution	
	Standard	Optional	Standard	Optional
Servo system	●		●	
Oil temperature monitoring function, deviation auto alarm	●		●	
Oil temperature auto control funtion	●		●	
Motor overload protection function	●		●	
Oil suction filter	●		●	
Standard one pc of core pull at moving plate, with pressure holding and releasing function	●		●	
Mold closing differential device	●		●	
Injection proportional valve	●		●	
High pressure hydraulic hose with explosion-proof chain	●		●	
Hydraulic valves imported overseas	●		●	
Hydraulic sealings imported overseas	●		●	
High pressure oil hoses imported overseas	●		●	
Ejector proportional valve		◎		◎
Sequential injection movement (independent pump station, standard motor, air valves, etc, choosable according to your requirements)		◎		◎
By-pass oil filter		◎		◎
ACC injection		◎		◎
Injection servo valve		◎		◎
Mould open/close proportional valve		◎		◎
Hydraulic core with more pcs		◎		◎