

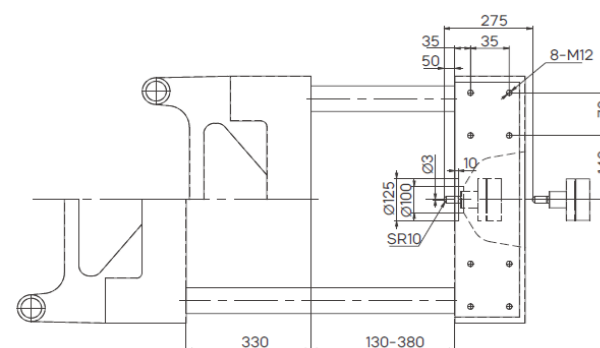
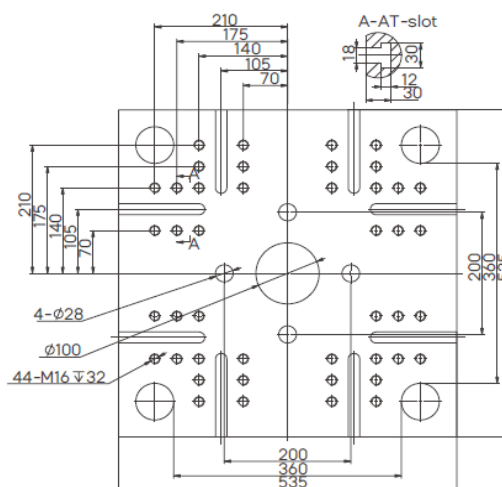
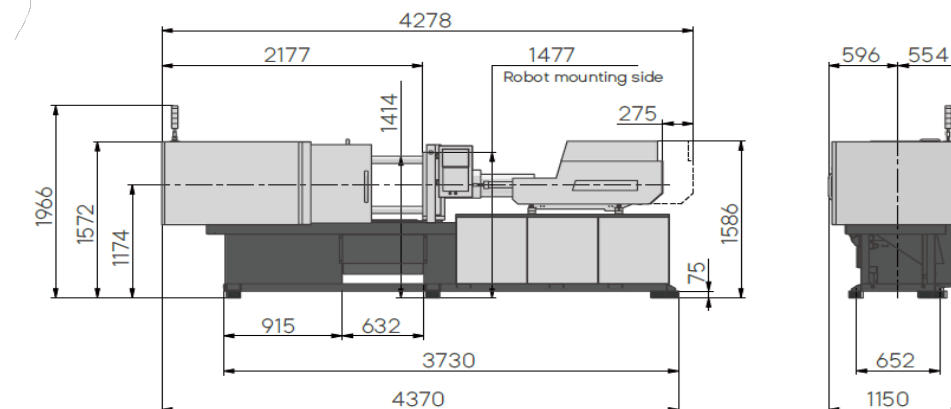
A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	60 A6		
International specification		60/310		
CLAMPING UNIT				
Clamping Force	kN	600		
Opening force	kN	--		
Platen size	mm	535x535		
Space between ties bars	mmxmm	360x360		
Mold thickness (Min.Max)	mm	130-380		
Opening stroke	mm	330		
Max. Daylight	mm	710		
Ejection stroke	mm	100		
Ejection force	kN	29		
Holes ejector number		5		
Dry cycle time	s	1,5		
INJECTION UNIT				
Designation		IU310		
Screw diameter	mm	30	35	40
Screw L/D ratio	L/D	24,1	20,1	20,1
Shot Volume	cm ³	116,6	158,7	207,3
Shot Weight	g	107,3	146	190,8
Injection rate	cm ³ /s	84,9	115,6	151
Injection pressure	bar	2672	1963	1503
Screw stroke	mm	165		
Screw speed (stepless)	r/min	0-350		
Nozzle contact buse	kN			
Barrel heating zone number		5		
Heating capacity	kW	6,9	6,9	7,8
POWER UNIT				
System Pressure	bar	185		
Pump power	kW	19,3		
Total Power	kW	26,2	26,2	27,1
GENERAL				
Machine Weight	T	3,1		
Oil tank capacity	L	120		
Machine Dimensions(LxWxH)	mxmxm	4,37x1,15x1,97		
Max mold weight	T	--		

DIMENSIONS

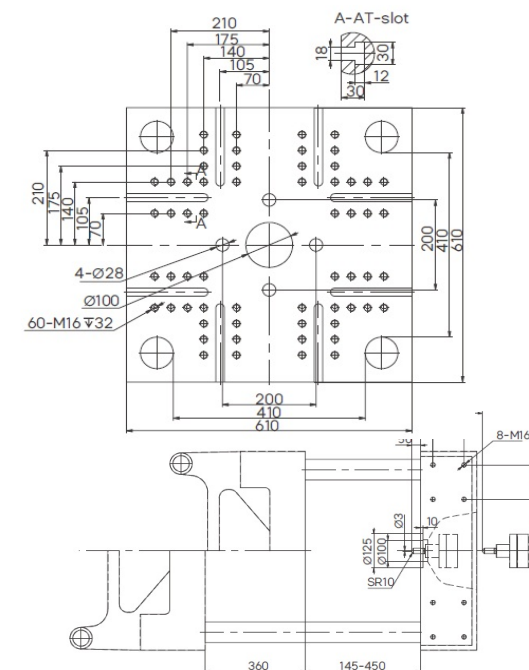
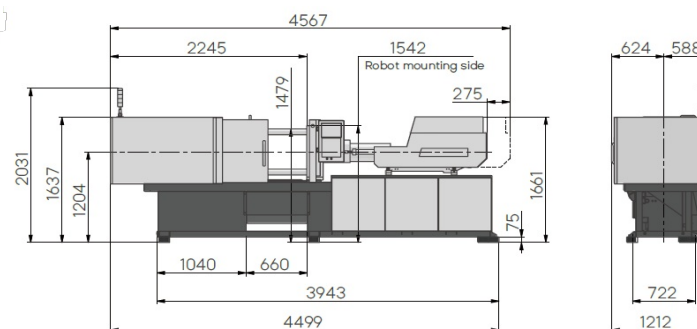


A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION		UNIT	90 A6					
International specification			90/310			90/445		
CLAMPING UNIT								
Clamping Force	kN	900						
Opening force	kN	--						
Platen size	mm	610x610						
Space between ties bars	mmxmm	410x410						
Mold thickness (Min.Max)	mm	145-450						
Opening stroke	mm	360						
Max. Daylight	mm	810						
Ejection stroke	mm	120						
Ejection force	kN	44						
Holes ejector number		5						
Dry cycle time	s	1,6						
INJECTION UNIT								
Designation		IU310				IU445		
Screw diameter	mm	30	35	40	35	43	48	
Screw L/D ratio	L/D	24,1	20,1	20,1	24,1	20,1	20,1	
Shot Volume	cm³	116,6	158,7	207,3	163,6	246,9	307,6	
Shot Weight	g	107,3	146	190,8	150,5	227,1	283	
Injection rate	cm³/s	84,9	115,6	151	104,4	157,5	196,3	
Injection pressure	bar	2672	1963	1503	2718	1801	1445	
Screw stroke	mm	165				170		
Screw speed (stepless)	r/min	0-350				0-320		
Nozzle contact buse	kN							
Barrel heating zone number		5				5		
Heating capacity	kW	6,9	6,9	7,8	9	9	10,1	
POWER UNIT								
System Pressure	bar	185						
Pump power	kW	21,8						
Total Power	kW	28,7	28,7	29,6	30,8	30,8	31,9	
GENERAL								
Machine Weight	T	3,6						
Oil tank capacity	L	155						
Machine Dimensions(LxWxH)	mmxmm	4,57x1,21x2,03						
Max mold weight	T	--						



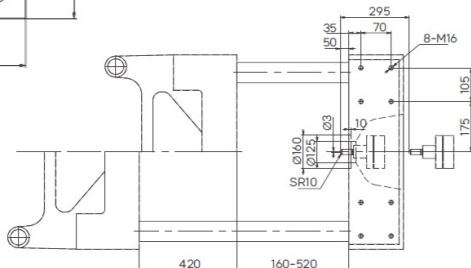
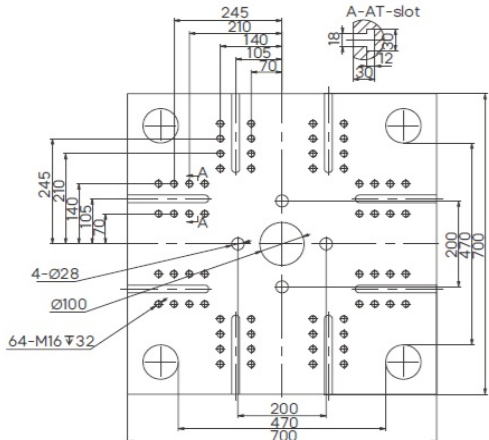
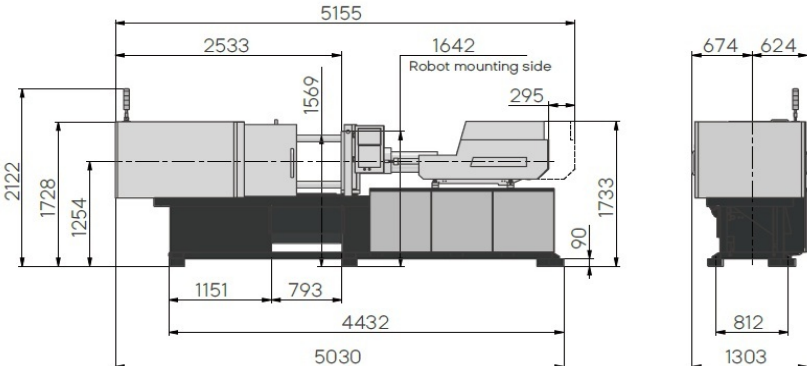
A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	120 A6								
International specification		120/310			120/445			120/640		
CLAMPING UNIT										
Clamping Force	kN	1200								
Opening force	kN	--								
Platen size	mm	700x700								
Space between ties bars	mmxmm	470x470								
Mold thickness (Min.Max)	mm	160-520								
Opening stroke	mm	420								
Max. Daylight	mm	940								
Ejection stroke	mm	120								
Ejection force	kN	44								
Holes ejector number		5								
Dry cycle time	s	1,9								
INJECTION UNIT										
Designation		IU310			IU445			IU640		
Screw diameter	mm	30	35	40	35	43	48	43	48	53
Screw L/D ratio	L/D	24,1	20,1	20,1	24,1	20,1	20,1	22,3:1	20,1	20,1
Shot Volume	cm³	116,6	158,7	207,3	163,6	246,9	307,6	297,7	371	452,3
Shot Weight	g	107,3	146	190,8	150,5	227,1	283	273,9	341,2	416,1
Injection rate	cm³/s	84,9	115,6	151	104,4	157,5	196,3	165,2	205,9	251
Injection pressure	bar	2672	1963	1503	2718	1801	1445	2146	1722	1413
Screw stroke	mm	165			170			205		
Screw speed (stepless)	r/min	0-350			0-320			0-300		
Nozzle contact buse	kN									
Barrel heating zone number		5			5			5		
Heating capacity	kW	6,9	6,9	7,8	9	9	10,1	10,9	10,9	12,1
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	26.8								
Total Power	kW	33,7	33,7	34,6	35,8	35,8	36,9	37,7	37,7	38,9
GENERAL										
Machine Weight	T	4,5								
Oil tank capacity	L	185								
Machine Dimensions(LxWxH)	mmxmm	5,16x1,31x2,12								
Max mold weight	T	--								

DIMENSIONS



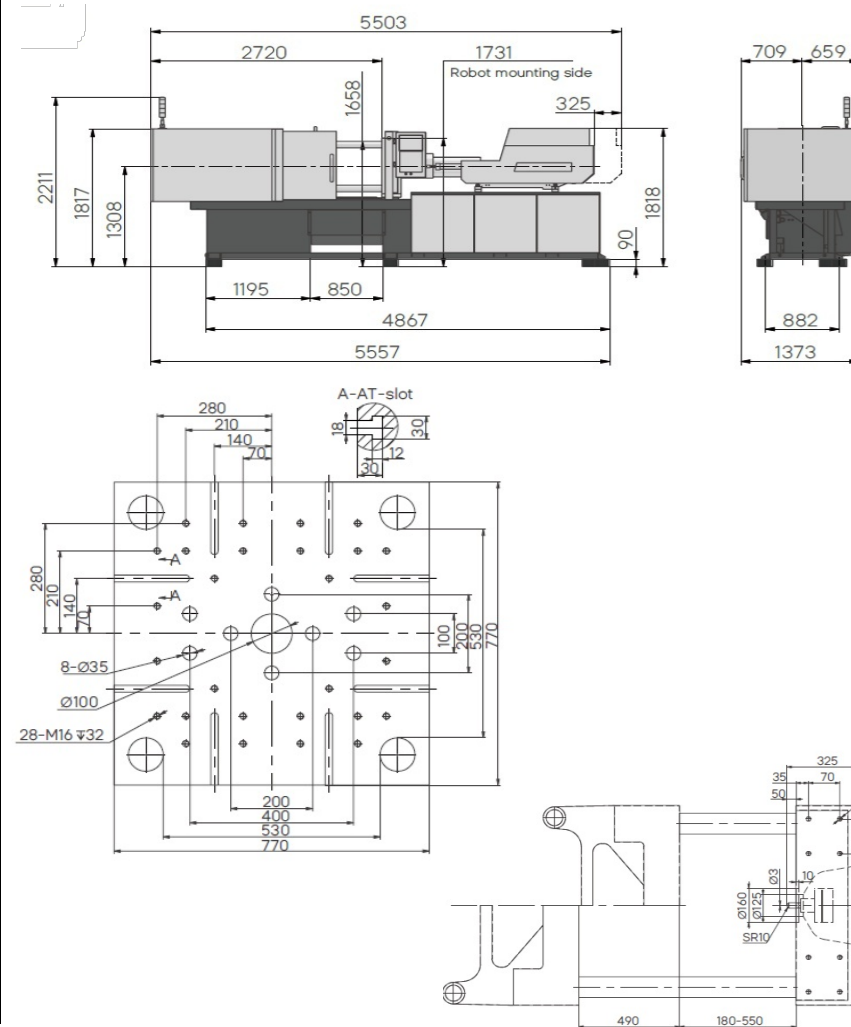
Technologie SERVO DRIVE

A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	160 A6								
International specification		160/445			160/640			160/945		
CLAMPING UNIT										
Clamping Force	kN	1600								
Opening force	kN	--								
Platen size	mm	770x770								
Space between ties bars	mmxmm	530x530								
Mold thickness (Min.Max)	mm	180-550								
Opening stroke	mm	490								
Max. Daylight	mm	1040								
Ejection stroke	mm	150								
Ejection force	kN	62								
Holes ejector number		5								
Dry cycle time	s	2,4								
INJECTION UNIT										
Designation		IU445			IU640			IU945		
Screw diameter	mm	35	43	48	43	48	53	48	53	60
Screw L/D ratio	L/D	24,1	20,1	20,1	22,3:1	20,1	20,1	22,1	20,1	20,1
Shot Volume	cm³	163,6	246,9	307,6	297,7	371	452,3	425,2	518,5	664,4
Shot Weight	g	150,5	227,1	283	273,9	341,2	416,1	391,2	477	611,3
Injection rate	cm³/s	104,4	157,5	196,3	165,2	205,9	251	200,5	244,5	313,3
Injection pressure	bar	2718	1801	1445	2146	1722	1413	2228	1828	1426
Screw stroke	mm	170			205			235		
Screw speed (stepless)	r/min	0-320			0-300			0-270		
Nozzle contact buse	kN									
Barrel heating zone number		5			5			5		
Heating capacity	kW	9	9	10,1	10,9	10,9	12,1	13,1	13,1	15,4
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	28.7								
Total Power	kW	37,7	37,7	38,8	39,6	39,6	40,8	41,8	41,8	44,1
GENERAL										
Machine Weight	T	5,5								
Oil tank capacity	L	240								
Machine Dimensions(LxWxH)	mxmxm	5,56x1,38x2,21								
Max mold weight	T	--								



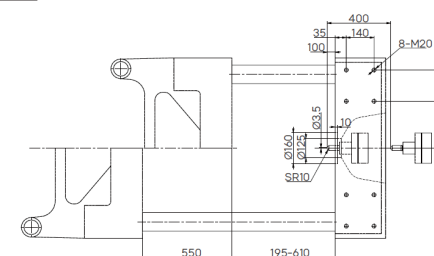
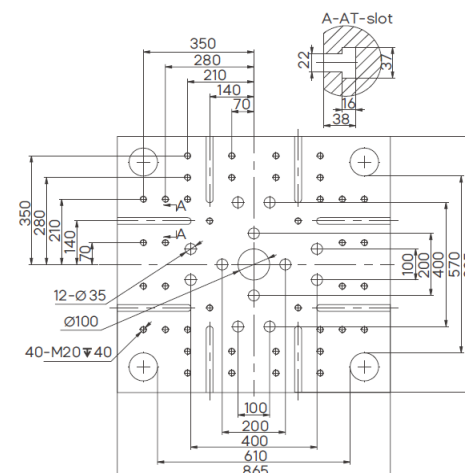
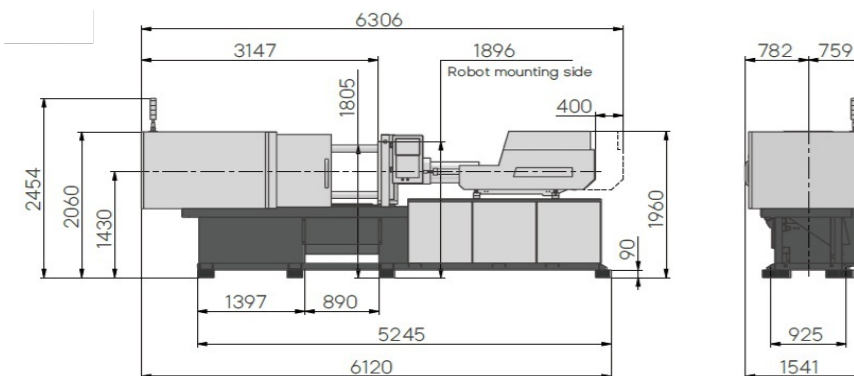
Technologie **SERVO DRIVE**

A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNITE	200 A6								
International specification		200/640			200/945			200/1340		
CLAMPING UNIT										
Clamping Force	kN	2000								
Opening force	kN	--								
Platen size	mm	865x825								
Space between ties bars	mmxmm	610X570								
Mold thickness (Min.Max)	mm	195-610								
Opening stroke	mm	550								
Max. Daylight	mm	1160								
Ejection stroke	mm	160								
Ejection force	kN	82								
Holes ejector number		13								
Dry cycle time	s	2,7								
INJECTION UNIT										
Designation		IU640			IU945			IU1340		
Screw diameter	mm	43	48	53	48	53	60	53	60	68
Screw L/D ratio	L/D	22,3:1	20,1	20,1	22,1	20,1	20,1	22,6:1	20,1	20,1
Shot Volume	cm³	297,7	371	452,3	425,2	518,5	664,4	584,6	749,3	962,4
Shot Weight	g	273,9	341,2	416,1	391,2	477	611,3	537,9	689,3	885,4
Injection rate	cm³/s	135,5	168,4	205,8	168,4	205,3	263,2	207,6	266,1	341,8
Injection pressure	bar	2146	1722	1413	2228	1828	1426	2295	1791	1394
Screw stroke	mm	205			235			265		
Screw speed (stepless)	r/min	0-300			0-270			0-240		
Nozzle contact buse	kN									
Barrel heating zone number		5			5			6		
Heating capacity	kW	10,9	10,9	12,1	13,1	13,1	15,4	16,6	16,6	19,1
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	36.4								
Total Power	kW	47,3	47,3	48,5	49,5	49,5	51,8	53	53	55,5
GENERAL										
Machine Weight	T	7,6								
Oil tank capacity	L	315								
Machine Dimensions(LxWxH)	mmxmm	6,31x1,54x2,45								
Max mold weight	T	--								



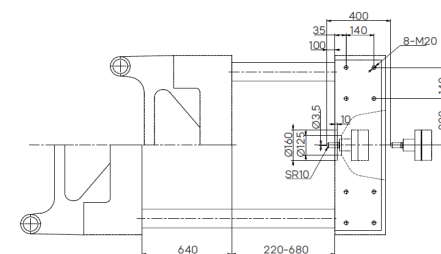
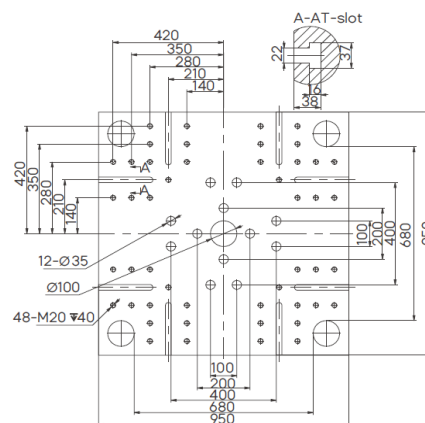
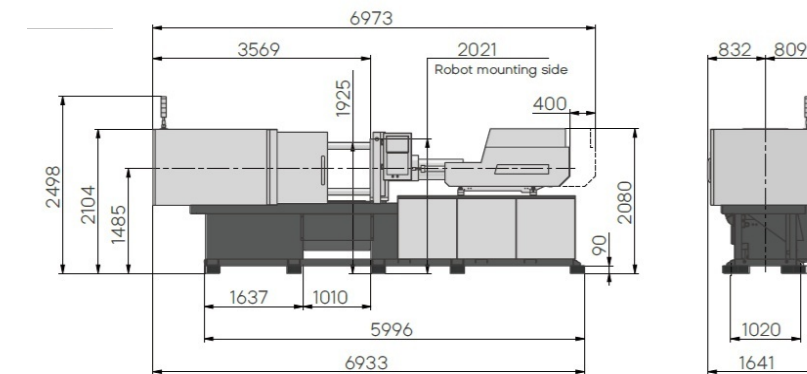
Technologie **SERVO DRIVE**

A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNITE	260 A6								
International specification		260/945			260/1340			260/1995		
CLAMPING UNIT										
Clamping Force	kN	2600								
Opening force	kN	--								
Platen size	mm	950x950								
Space between ties bars	mmxmm	680x680								
Mold thickness (Min.Max)	mm	220-680								
Opening stroke	mm	640								
Max. Daylight	mm	1320								
Ejection stroke	mm	170								
Ejection force	kN	82								
Holes ejector number		13								
Dry cycle time	s	2,8								
INJECTION UNIT										
Designation		IU945			IU1340			IU1995		
Screw diameter	mm	48	53	60	53	60	68	60	68	76
Screw L/D ratio	L/D	22,1	20,1	20,1	22,6:1	20,1	20,1	22,6:1	20,1	20,1
Shot Volume	cm³	425,2	518,5	664,4	584,6	749,3	962,4	834,1	1071,3	1338,3
Shot Weight	g	391,2	477	611,3	537,9	689,3	885,4	767,4	985,6	1231,2
Injection rate	cm³/s	168,4	205,3	263,2	207,6	266,1	341,8	260,9	335,1	418,6
Injection pressure	bar	2228	1828	1426	2295	1791	1394	2392	1862	1491
Screw stroke	mm	235			265			295		
Screw speed (stepless)	r/min	0-270			0-240			0-240		
Nozzle contact buse	kN									
Barrel heating zone number		5			6			6		
Heating capacity	kW	13,1	13,1	15,4	16,6	16,6	19,1	25,3	25,3	28,4
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	50,9								
Total Power	kW	64	64	66,3	67,5	67,5	70	76,2	76,2	79,3
GENERAL										
Machine Weight	T	9,7								
Oil tank capacity	L	390								
Machine Dimensions(LxWxH)	mmxmm	6,98x1,64x2,50								
Max mold weight	T	--								

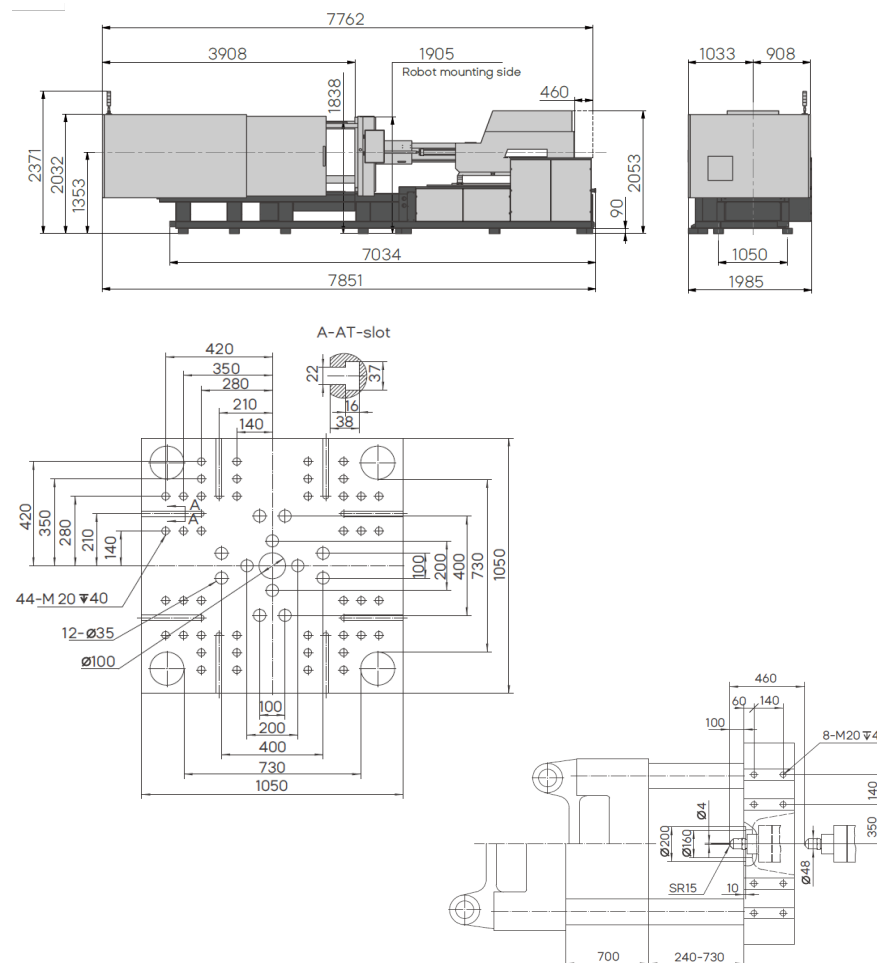


A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNITE	320 A6									
International specification		320/1340			320/1995			320/2845			
CLAMPING UNIT											
Clamping Force	kN	3200									
Opening force	kN	--									
Platen size	mm	1050x1050									
Space between ties bars	mmxmm	730x730									
Mold thickness (Min.Max)	mm	240-730									
Opening stroke	mm	700									
Max. Daylight	mm	1430									
Ejection stroke	mm	210									
Ejection force	kN	118									
Holes ejector number		13									
Dry cycle time	s	3									
INJECTION UNIT											
Designation		IU1340			IU1995			IU2845			
Screw diameter	mm	53	60	68	60	68	76	68	76	84	
Screw L/D ratio	L/D	22,6:1	20,1	20,1	22,6:1	20,1	20,1	22,3:1	20,1	20,1	
Shot Volume	cm³	584,6	749,3	962,4	834,1	1071,3	1338,3	1198,5	1497	1828,8	
Shot Weight	g	537,9	689,3	885,4	767,4	985,6	1231,2	1102,6	1377,3	1682,5	
Injection rate	cm³/s	207,6	266,1	341,8	260,9	335,1	418,6	328,4	410,3	501,2	
Injection pressure	bar	2295	1791	1394	2392	1862	1491	2377	1903	1557	
Screw stroke	mm	265			295			330			
Screw speed (stepless)	r/min	0-240			0-240			0-200			
Nozzle contact buse	kN										
Barrel heating zone number		6			6			7			
Heating capacity	kW	16,6	16,6	19,1	25,3	25,3	28,4	26,9	26,9	30,9	
POWER UNIT											
System Pressure	bar	185									
Pump power	kW	58,6									
Total Power	kW	75,2	75,2	77,7	83,9	83,9	87	85,5	85,5	89,5	
GENERAL											
Machine Weight	T	14,7									
Oil tank capacity	L	500									
Machine Dimensions(LxWxH)	mmxmm	7,85x1,98x2,37									
Max mold weight	T	--									

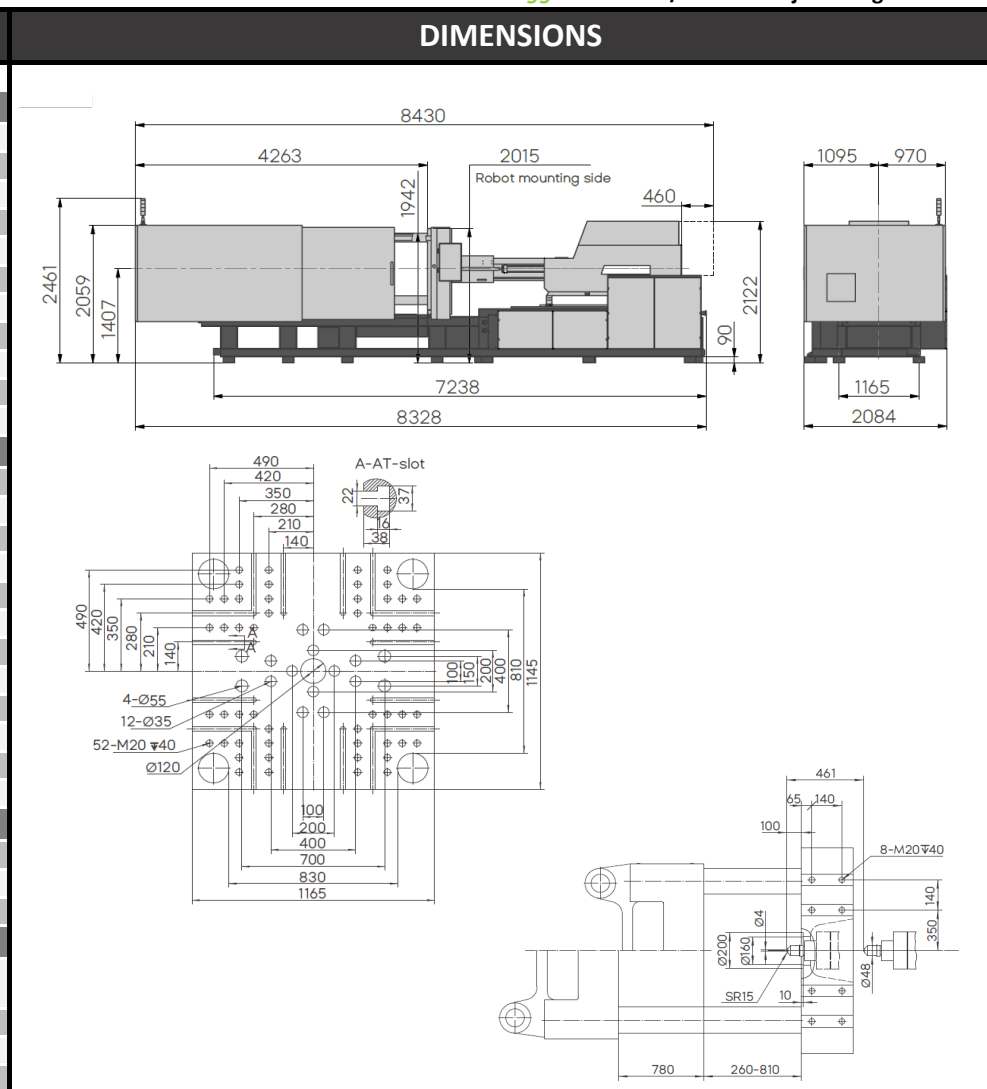


A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	400 A6								
International specification		400/1995			400/2845			400/3520		
CLAMPING UNIT										
Clamping Force	kN	4000								
Opening force	kN	--								
Platen size	mm	1165x1145								
Space between ties bars	mmxmm	830x810								
Mold thickness (Min.Max)	mm	260-810								
Opening stroke	mm	780								
Max. Daylight	mm	1590								
Ejection stroke	mm	220								
Ejection force	kN	118								
Holes ejector number		17								
Dry cycle time	s	3,5								
INJECTION UNIT										
Designation		IU1995			IU2845			IU3520		
Screw diameter	mm	60	68	76	68	76	84	76	84	92
Screw L/D ratio	L/D	22,6:1	20,1	20,1	22,3:1	20,1	20,1	22,1:1	20,1	20,1
Shot Volume	cm³	834,1	1071,3	1338,3	1198,5	1497	1828,8	1678,5	2050,5	2459,6
Shot Weight	g	767,4	985,6	1231,2	1102,6	1377,3	1682,5	1544,2	1886,4	2262,8
Injection rate	cm³/s	260,9	335,1	418,6	328,4	410,3	501,2	391,8	478,7	574,2
Injection pressure	bar	2392	1862	1491	2377	1903	1557	2100	1719	1433
Screw stroke	mm	295			330			370		
Screw speed (stepless)	r/min	0-240			0-200			0-190		
Nozzle contact buse	kN									
Barrel heating zone number		6			7			7		
Heating capacity	kW	25,3	25,3	28,4	26,9	26,9	30,9	33,4	33,4	36,2
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	67,4								
Total Power	kW	92,7	92,7	95,8	94,3	94,3	98,3	100,8	100,8	103,6
GENERAL										
Machine Weight	T	17,9								
Oil tank capacity	L	545								
Machine Dimensions(LxWxH)	mmxmm	8,43x2,08x2,46								
Max mold weight	T	--								



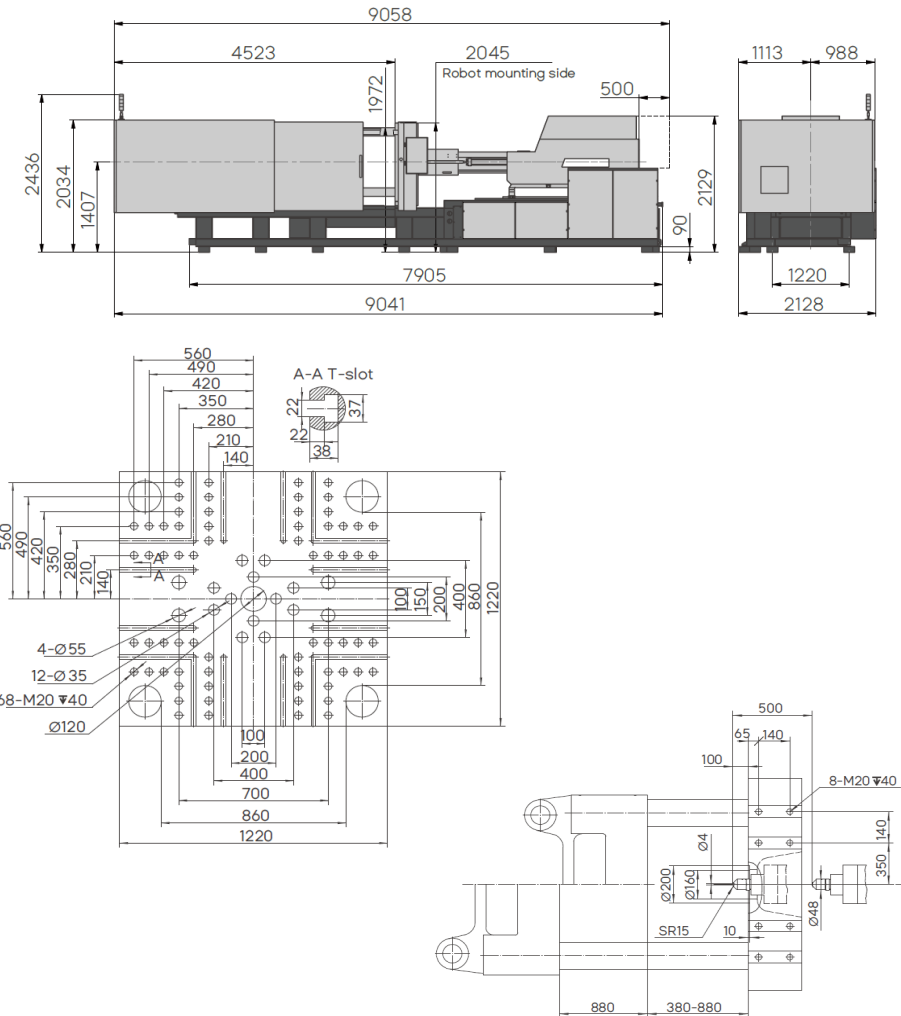
A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION		UNIT	480 A6								
International specification			480/2845			480/3520			480/4715		
CLAMPING UNIT											
Clamping Force	kN	4800									
Opening force	kN	--									
Platen size	mm	1220x1220									
Space between ties bars	mmxmm	860x860									
Mold thickness (Min.Max)	mm	380-880									
Opening stroke	mm	880									
Max. Daylight	mm	1760									
Ejection stroke	mm	220									
Ejection force	kN	176									
Holes ejector number		17									
Dry cycle time	s	4									
INJECTION UNIT											
Designation		IU2845			IU3520			IU4715			
Screw diameter	mm	68	76	84	76	84	92	84	92	100	
Screw L/D ratio	L/D	22,3:1	20,1	20,1	22,1:1	20,1	20,1	22,1	21,7:1	20,1	
Shot Volume	cm³	1198,5	1497	1828,8	1678,5	2050,5	2459,6	2438,4	2924,9	3455,7	
Shot Weight	g	1102,6	1377,3	1682,5	1544,2	1886,4	2262,8	2243,3	2691	3179,3	
Injection rate	cm³/s	328,4	410,3	501,2	391,8	478,7	574,2	469,6	563,3	665,5	
Injection pressure	bar	2377	1903	1557	2100	1719	1433	1934	1612	1364	
Screw stroke	mm	330			370			440			
Screw speed (stepless)	r/min	0-200			0-190			0-190			
Nozzle contact buse	kN										
Barrel heating zone number		7			7			7			
Heating capacity	kW	26,9	26,9	30,9	33,4	33,4	36,2	33,4	33,4	43	
POWER UNIT											
System Pressure	bar	185									
Pump power	kW	67,4									
Total Power	kW	94,3	94,3	98,3	100,8	100,8	103,6	100,8	100,8	110,4	
GENERAL											
Machine Weight	T	20									
Oil tank capacity	L	675									
Machine Dimensions(LxWxH)	mmxmm	9,06x2,13x2,44									
Max mold weight	T	--									

DIMENSIONS



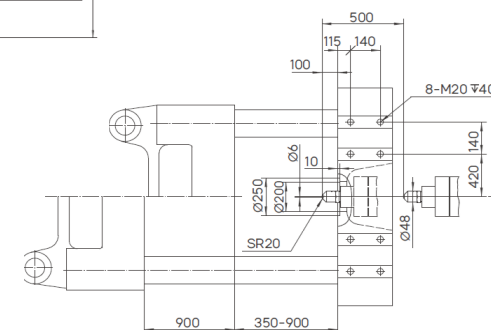
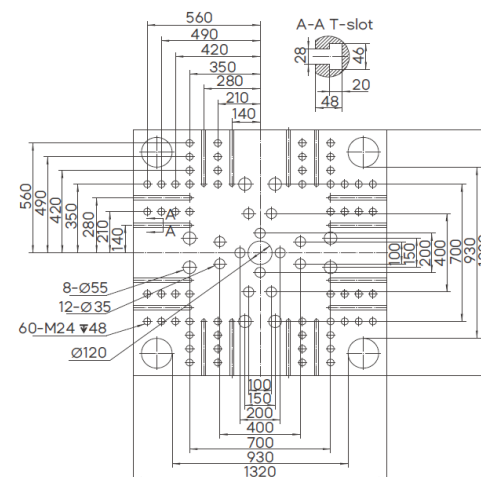
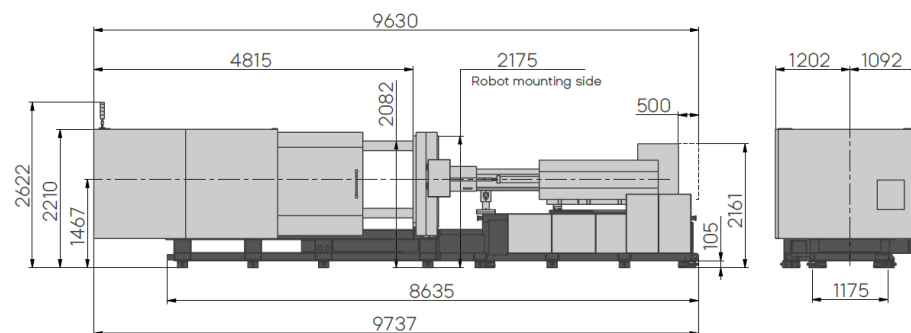
Technologie SERVO DRIVE

A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	580 A6								
International specification		580/3520			580/4715			580/5610		
CLAMPING UNIT										
Clamping Force	kN	5800								
Opening force	kN	--								
Platen size	mm	1320x1320								
Space between ties bars	mmxmm	930x930								
Mold thickness (Min.Max)	mm	350-900								
Opening stroke	mm	900								
Max. Daylight	mm	1800								
Ejection stroke	mm	280								
Ejection force	kN	192								
Holes ejector number		21								
Dry cycle time	s	5								
INJECTION UNIT										
Designation		IU3520			IU4715			IU5610		
Screw diameter	mm	76	84	92	84	92	100	92	100	108
Screw L/D ratio	L/D	22,1:1	20,1	20,1	22,1	21,7:1	20,1	22,1	21,6:1	20,1
Shot Volume	cm³	1678,5	2050,5	2459,6	2438,4	2924,9	3455,7	2924,9	3455,7	4030,8
Shot Weight	g	1544,2	1886,4	2262,8	2243,3	2691	3179,3	2691	3179,3	3708,3
Injection rate	cm³/s	391,8	478,7	574,2	469,6	563,3	665,5	585,9	692,2	807,4
Injection pressure	bar	2100	1719	1433	1934	1612	1364	1918	1623	1392
Screw stroke	mm	370			440			440		
Screw speed (stepless)	r/min	0-190			0-190			0-160		
Nozzle contact buse	kN									
Barrel heating zone number		7			7			7		
Heating capacity	kW	33,4	33,4	36,2	33,4	33,4	43	41,1	41,1	47
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	76,4								
Total Power	kW	109,8	109,8	112,6	109,8	109,8	119,4	117,5	117,5	123,4
GENERAL										
Machine Weight	T	25								
Oil tank capacity	L	805								
Machine Dimensions(LxWxH)	mxmxm	9,74x2,30x2,62								
Max mold weight	T	--								

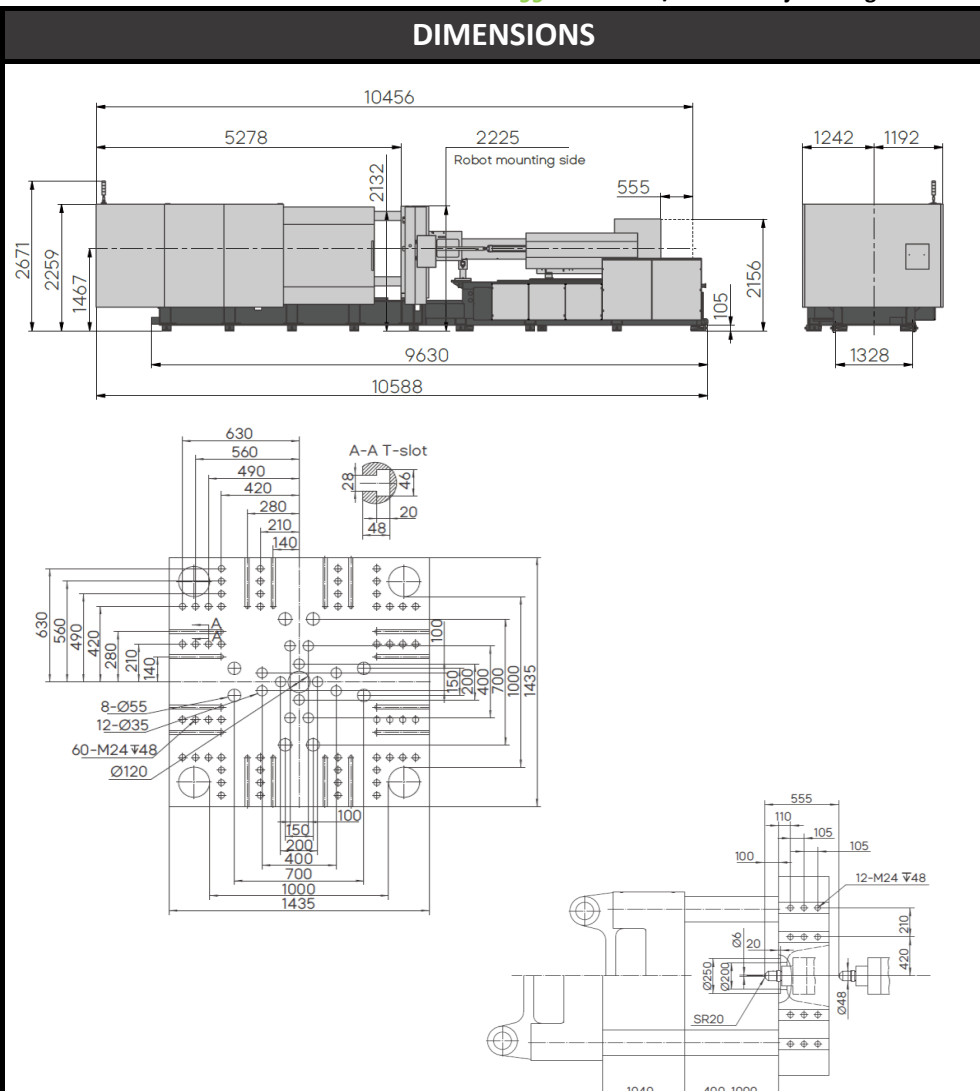


A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	700 A6								
International specification		700/4715			700/5610			700/7180		
CLAMPING UNIT										
Clamping Force	kN	7000								
Opening force	kN	--								
Platen size	mm	1435x1435								
Space between ties bars	mmxmm	1000x1000								
Mold thickness (Min.Max)	mm	400-1000								
Opening stroke	mm	1040								
Max. Daylight	mm	2040								
Ejection stroke	mm	280								
Ejection force	kN	192								
Holes ejector number		21								
Dry cycle time	s	5								
INJECTION UNIT										
Designation		IU4715			IU5610			IU7180		
Screw diameter	mm	84	92	100	92	100	108	100	108	116
Screw L/D ratio	L/D	22,1	21,7:1	20,1	22,1	21,6:1	20,1	22,1	21,5:1	20,1
Shot Volume	cm³	2438,4	2924,9	3455,7	2924,9	3455,7	4030,8	3769,9	4397,2	5072,8
Shot Weight	g	2243,3	2691	3179,3	2691	3179,3	3708,3	3468,3	4045,4	4667
Injection rate	cm³/s	469,6	563,3	665,5	585,9	692,2	807,4	787,6	918,7	1059,8
Injection pressure	bar	1934	1612	1364	1918	1623	1392	1905	1633	1415
Screw stroke	mm	440			440			480		
Screw speed (stepless)	r/min	0-190			0-160			0-160		
Nozzle contact buse	kN									
Barrel heating zone number		7			7			7		
Heating capacity	kW	33,4	33,4	43	41,1	41,1	47	45,2	45,2	51
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	88,4								
Total Power	kW	121,8	121,8	131,4	129,5	129,5	135,4	133,6	133,6	139,4
GENERAL										
Machine Weight	T	33								
Oil tank capacity	L	895								
Machine Dimensions(LxWxH)	mmxmm	10,59x2,44x2,67								
Max mold weight	T	--								



A6



Toggle machine / Presse à injecter à genouillère

DESCRIPTION	UNIT	1000 A6								
International specification		1000/5610			1000/7180			1000/9535		
CLAMPING UNIT										
Clamping Force	kN	10000								
Opening force	kN	--								
Platen size	mm	1620x1620								
Space between ties bars	mmxmm	1160x1160								
Mold thickness (Min.Max)	mm	450-1160								
Opening stroke	mm	1220								
Max. Daylight	mm	2380								
Ejection stroke	mm	320								
Ejection force	kN	290								
Holes ejector number		21								
Dry cycle time	s	6								
INJECTION UNIT										
Designation		IU5610			IU7180			IU9535		
Screw diameter	mm	92	100	108	100	108	116	108	116	125
Screw L/D ratio	L/D	22,1	21,6:1	20,1	22,1	21,5:1	20,1	22,1	21,6:1	20,1
Shot Volume	cm³	2924,9	3455,7	4030,8	3769,9	4397,2	5072,8	5038,5	5812,6	6749,5
Shot Weight	g	2691	3179,3	3708,3	3468,3	4045,4	4667	4635,4	50348	6209,5
Injection rate	cm³/s	585,9	692,2	807,4	787,6	918,7	1059,8	899,3	1037,4	1204,7
Injection pressure	bar	1918	1623	1392	1905	1633	1415	1893	1641	1413
Screw stroke	mm	440			480			550		
Screw speed (stepless)	r/min	0-160			0-160			0-135		
Nozzle contact buse	kN									
Barrel heating zone number		7			7			8		
Heating capacity	kW	41,1	41,1	47	45,2	45,2	51	56,5	56,5	63,6
POWER UNIT										
System Pressure	bar	185								
Pump power	kW	98,4								
Total Power	kW	139,5	139,5	145,4	143,6	146,6	149,4	154,9	154,9	162
GENERAL										
Machine Weight	T	42								
Oil tank capacity	L	930								
Machine Dimensions(LxWxH)	mmxmm	11,67x2,64x2,86								
Max mold weight	T	--								

