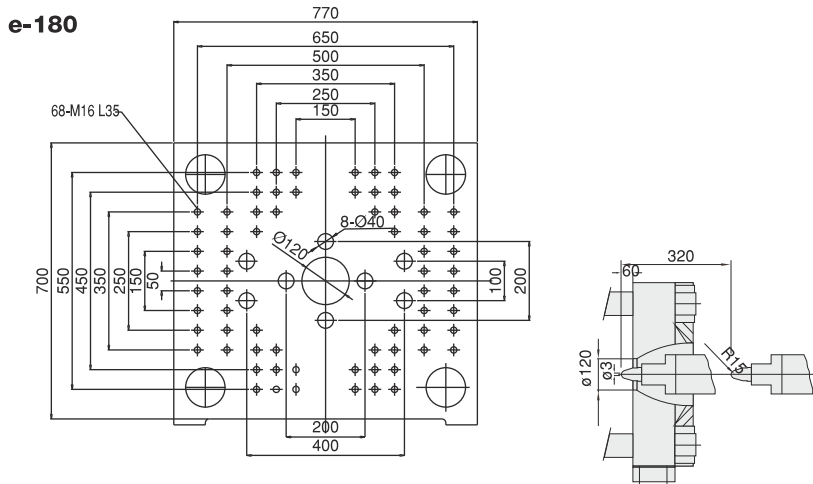


e - Profit™ Series (servo) Injection Molding Machines - Technical Specifications										
Machine Model - e-Profit		180-879-27			180-957-27			180-972-32		
International Code		1800H-879			1800H-957			1800H-972		
Injection Unit number		879			957			972		
Injection Unit		A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	67	55	60	67
Screw L/D ratio	L/D	21	19	17	21	19	17	21	19	17
Stroke volume	cm³	396	480	571	539	642	800	539	642	800
Injection weight max. *	g	377	456	542	512	609	760	512	609	760
Injection rate #	cm³/s	148	179	213	179	213	266	211	251	312
Plasticizing rate #	g/s	29.2	35.3	42.0	33.9	40.4	47.4	39.9	47.5	55.7
Injection Pressure	bar	2218	1833	1540	1775	1491	1196	1804	1516	1215
Screw rpm	min-1	249			206			243		
Clamping Unit										
Clamping force	kN	1800			1800			1800		
Mold opening stroke	mm	460			460			460		
Dist. Bet. Tie bars, H X V	mm	520 x 450			520 x 450			520 x 450		
Mold thickness, min. - max.	mm	200-500			200-500			200-500		
Ejector stroke	mm	100			100			100		
Ejector force	kN	49.1			47.5			48.3		
Ejector number	pcs	9			9			9		
General Data										
Pump drive **	kW	28.30 (19.20)			28.30 (19.20)			28.30 (19.20)		
Installed heating capacity	kW	15.90			18.43			18.43		
Total Connected power	kW	44.20 (35.10)			46.73 (37.63)			46.73 (37.63)		
Oil tank capacity	L	400			400			400		
Machine dimensions, Lx W x H	m	5.2 x 1.8 x 2.0			5.2 x 1.8 x 2.0			5.2 x 1.8 x 2.0		
Net weight (without oil)	T	6.6			6.8			6.8		
NOTE: # Achieved in air injection, * Theoretical value; actual value may vary depending on material, melt density & residence time - Specifications are subject to change due to continuous improvements - To be used strictly under standard electrical supply conditions of 415V± 5% MAX., 50 Hz, 3 Phase + N.										



OPTIONAL FEATURES

- Additional core pulling control set for hydraulic cores, independently programmable for sequential or parallel operation.
- Air blast with pneumatic valve on moving/ stationary platen.
- Rotating core (hydraulic un-screwing) interface.
- Electrical un-screwing interface.
- Robotic arm interface - Std. or Euromap - 12.
- Photo-sensor arrangement for molded part drop detection, recommended for single cavity.
- Interface for ejector retract (back) verification with limit switch.
- Interface for additional nozzle heater band (plug-in only).
- Special screws for better melt homogenization and plasticizing.
- Wear resistant / corrosion resistant, bimetallic screw and barrel for processing abrasive/ corrosive materials.
- Hydraulic motor for higher plasticizing rates.
- Insulated energy saving heater bands.
- Water battery with flow rate control and temperature indicator.
- Feed throat temperature indication.
- Accumulator for Higher Injection rate
- Back pressure adjustment through controller



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e-Profit Series
energy efficient

50 Ton –180 Ton

Injection Molding Machines



...The energy efficient molding solution



"e - Profit" Series (servo) Injection Molding Machines - Technical Specifications																																																				
Machine Model - e-Profit		50-121-14 STD			50-207-14			80-121-14			80-207-14 STD			80-214-18			80-437-14			110-207-14			110-437-14 STD			110-451-18			110-573-18			140-437-14			140-573-18 STD			140-592-22			140-851-22			180-573-18			180-851-22 STD					
International Code		500H-121			500H-207			800H-121			800H-207			800H-214			800H-437			1100H-207			1100H-437			1100H-451			1100H-573			1400H-437			1400H-573			1400H-592			1400H-851			1800H-573			1800H-851					
Injection Unit number		121			207			121			207			214			437			207			437			451			573			437			573			592			851			573			851					
Injection Unit		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C									
Screw diameter	mm	28	31	35	31	35	40	28	31	35	31	35	40	31	35	40	40	45	50	31	35	40	40	45	50	40	45	50	45	50	55	40	45	50	45	50	55	45	50	55	50	55	60	45	50	55	50	55	60			
Screw L/D ratio	L/D	21	19	17	22	19	17	21	19	17	22	19	17	22	19	17	20	18	16	22	19	17	20	18	16	20	18	16	21	19	17	20	18	16	21	19	17	21	19	17	21	19	17	21	19	17						
Stroke volume	cm³	68	83	106	102	130	170	68	83	106	102	130	170	102	130	170	203	258	318	102	130	170	203	258	318	203	258	318	286	353	427	203	258	318	286	353	427	286	353	427	396	480	571	286	353	427	396	480	571			
Injection weight max. *	g	64	79	100	97	123	161	64	79	100	97	123	161	97	123	161	193	245	302	97	123	161	193	245	302	193	245	302	272	336	406	193	245	302	272	336	406	377	456	542	272	336	406	377	456	542						
Injection rate #	cm³/s	93	114	146	77	99	129	93	114	146	77	99	129	99	126	164	74	94	116	77	99	129	74	94	116	95	120	148	102	125	152	74	94	116	102	125	152	127	157	190	118	143	170	102	125	152	118	143	170			
Plasticizing rate #	g/s	8.5	10.4	13.3	9.1	11.6	15.2	8.5	10.4	13.3	9.1	11.6	15.2	11.6	14.8	19.3	12.9	16.4	20.2	9.1	11.6	15.2	12.9	16.4	20.2	16.9	21.4	26	20.0	25.1	30.4	12.9	16.4	20.2	20.0	25.1	30.4	25.2	31.5	38.1	23.4	28.3	33.7	20.0	25.1	30.4	23.4	28.3	33.7			
Injection Pressure	bar	1786	1457	1143	2029	1592	1219	1786	1457	1143	2029	1592	1219	2097	1645	1259	2147	1697	1374	2029	1592	1219	2147	1697	1374	2218	1752	1419	2003	1623	1341	2147	1697	1374	2003	1623	1341	2069	1676	1385	2147	1775	1491	2003	1623	1341	2147	1775	1491			
Screw rpm	min-1	314			213			314			213			271			180			213			180			235			206			180			206			258			200			206			200					
Clamping Unit																																																				
Clamping force	kN	500			500			800			800			800			800			1100			1100			1100			1100			1400			1400			1400			1400			1800			1800					
Mold opening stroke	mm	220			220			300			300			300			300			340			340			340			340			400			400			400			400			460			460					
Dist. Bet. Tie bars, H X V	mm	300 x 234			300 x 234			350 x 310			350 x 310			350 x 310			350 x 310			410 x 370			410 x 370			410 x 370			410 x 370			450 x 385			450 x 385			450 x 385			450 x 385			520 x 450			520 x 450					
Mold thickness, min. - max.	mm	150-320			150-320			125-330			125-330			125-330			125-330			150-380			150-380			150-380			150-380			160-420			160-420			160-420			160-420			200-500			200-500					
Ejector stroke	mm	50			50			65			65			65			65			80			80			80			80			100			100			100			100			100			100					
Ejector force	kN	31.4			29.4			31.4			29.4			30.4			29.9			29.4			29.9			30.9			29.9			47.5			47.5			49.1			47.5			47.5			47.5					
Ejector number	pcs	1			1			1			1			1			1			5			5			5			5			5			5			5			5			9			9					
General Data																																																				
Pump drive **	kW	12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)			12.00 (8.20)		
Installed heating capacity	kW	6.46			7.65			6.46			7.65			7.65			10.30			7.65			10.30			10.30			13.75			10.30			13.75			13.75			15.90			13.75			15.90					
Total Connected power	kW	18.46 (14.66)			19.65 (15.85)			18.46 (14.66)			19.65 (15.85)			19.65 (15.85)			22.30 (18.50)			19.65 (15.85)																																
Oil tank capacity	L	100			100			200			200			200			260			260			260			260			300			300			300			300			400			400								
Machine dimensions, Lx W x H	m	3.5 x 1.5 x 1.7			3.5 x 1.6 x 1.8			3.5 x 1.6 x 1.8			3.5 x 1.6 x 1.8			3.5 x 1.6 x 1.8			3.7 x 1.7 x 1.9			4.2 x 1.7 x 1.9																																
Net weight (without oil)	T	2.8			3.0			3.7			3.7			3.7			3.8			4.2																																
NOTE : # Achieved in air injection. * Theoretical value; actual value may vary depending on material, melt density & residence time - Specifications are subject to change due to continuous improvements - To be used strictly under standard electrical supply conditions of 415V± 5% MAX., 50 Hz, 3 Phase + N.																																																				