

H650

Clamp		H650	HL650
Clamp Force	kN	6500	6500
Tiebar Spacing (H x V)	mm	1120 x 1120	1120 x 1120
Platen Size (H x V)	mm	1550 x 1550	1550 x 1550
Clamp Stroke ⁽¹⁾	mm	1000 / 1700	1325 / 2125
Shutheight (Min-Max) ⁽²⁾	mm	400 / 1100	600 / 1400
Shutheight with Stack Carrier (Min / Max) ⁽⁸⁾	mm	800 / 1100	800 / 1400
Daylight	mm	2100	2725
Ejector Stroke	mm	250	250
Ejector Force	kN	141	141
Tiebar Diameter	mm	195	195
Dry Cycle ⁽³⁾	s	3.3	3.6
EB Cycle Time Contribution ⁽⁴⁾	s	2.3	2.3

RS Injection Model		RS80			RS95			RS115			RS135		
Standard Configuration ⁽¹¹⁾		Simultaneous, E-Drive			Simultaneous, E-Drive			Sequential, H-Drive			Sequential, H-Drive		
Working Capacity		2733			4880			7900			13800		
Screw Diameter	mm	65	70	80	80	85	95	95	100	115	115	125	135
Screw L/D ⁽⁵⁾		27.1	25.0	21.7	26.7	25.0	22.2	26.4	25.0	21.5	25.0	22.9	21.1
Injection Pressure	bar	2350	2030	1550	2280	2020	1620	2240	2020	1530	2210	1870	1600
Injection Stroke	mm	350	350	350	425	425	425	500	500	500	600	600	600
Injection Capacity	cm ³	1161	1347	1759	2136	2412	3012	3544	3927	5193	6232	7363	8588
Barrel Heat Power	kW	42.0	42.0	42.0	57.6	57.6	57.6	81.2	81.2	95.2	101	101	101
Barrel Control Zones ⁽⁶⁾		5	5	5	6	6	6	7	7	7	6	6	6
Standard Pump Based Injection Rate ⁽¹⁰⁾	cm ³ /s	435	500	675	450	510	645	515	570	754	710	840	990
High Speed Pump Based Injection Rate ^{(8), (10)}	cm ³ /s	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1000	1200	1400
Accumulator Assist Injection Rate ^{(7), (8)}	cm ³ /s	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1648	1827	2416	1653	1952	2278
High Speed Accumulator Assist Injection Rate ^{(7), (8)}	cm ³ /s	3801	4408	5753	3973	4485	5802	3901	4326	5719	4446	5251	6126
Carriage Force	kN	120	120	120	120	120	120	120	120	120	178	178	178
Melt Channel Diameter	mm	22	22	22	22	22	22	22	22	22	22	22	22
Standard Screw Drive ⁽⁹⁾													
Screw Speed	rpm	294	273	239	239	225	201	201	191	166	166	150	131
Peripheral Screw Speed	m/s	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.93
Screw Torque	Nm	1375	1660	2409	2409	2837	3831	3831	4250	6400	6400	8000	9200
High Torque Screw Drive ^{(8), (9)}													
Screw Speed	rpm	191	177	155	155	146	131	131	124	108	108	99	92
Peripheral Screw Speed	m/s	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
Screw Torque	Nm	2132	2605	3736	3736	4400	5941	5900	6800	9950	9950	11900	11900
High Power Screw Drive ^{(8), (9)}													
Screw Speed	rpm	235	218	191	191	180	161	161	153	133	133	122	n.a.
Peripheral Screw Speed	m/s	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	n.a.
Screw Torque	Nm	2132	2605	3736	3736	4400	5941	5900	6800	9950	9950	11900	n.a.
High Speed Screw Drive ^{(8), (9)}													
Screw Speed	rpm	397	368	322	322	303	271	271	258	n.a.	n.a.	n.a.	n.a.
Peripheral Screw Speed	m/s	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	n.a.	n.a.	n.a.	n.a.
Screw Torque	Nm	1273	1680	2158	2158	2837	3533	3533	4250	n.a.	n.a.	n.a.	n.a.
Overall Machine Specifications													
Oil Volume	ℓ	1200			1225			1700			2000		
Overall Width x Height	mm	2790	x	2580	2790	x	2580	2790	x	2580	3375	x	2830
Overall Length H/HL	mm	11112	/	12152	11899	/	12939	13412	/	14452	14577	/	15617
Overall Weight H/HL	t	32	/	34	34	/	36	38	/	40	43	/	45