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ACCURFAST

Toggle Type Injection Moulding Machine

Accumulator Assisted Injection

We believe that *Excellence* is a journey not a *Destination*



Technical Specification

MODEL		100 Ton	140 Ton		170 Ton		200 Ton		280 Ton		360 Ton	
INJECTION UNIT	UNIT	270	270	410	410	590	410	590	590	1050	1050	1450
		A	A	A	A	A	A	A	A	A	A	A
INJECTION CAPACITY MAX. (GPPS)	gm	165	165	240	240	330	240	330	330	540	540	740
INJECTION PRESSURE	bar	1800	1800	1904	1904	1957	1904	1957	1957	1757	1757	1750
INJECTION RATE (W/O ACCUMULATOR)	cc/sec	305 (114)	305 (142)	385 (173)	385 (173)	478 (187)	385 (173)	478 (187)	478 (187)	720 (302)	720 (302)	850 (304)
INJECTION SCREW STROKE	mm	170	170	200	200	220	200	220	220	240	240	280
SCREW DIAMETER	mm	36	36	40	40	45	40	45	45	55	55	60
SCREW L / D RATIO	-	22	22	22	22	22	22	22	22	21	21	20.3
SCREW SPEED	rpm	320	320	430	430	320	430	320	320	345	345	345
NO. OF PYROMETERS (BARREL+NOZZLE)	-	3 + 1N	3 + 1N	3 + 1N	3 + 1N	4 + 1N	3 + 1N	4 + 1N	4 + 1N	4 + 1N	4 + 1N	4 + 1N
TOTAL HEAT CAPACITY	kw	10.2	10.2	11.8	11.8	14.1	11.8	14.1	14.1	18.1	18.1	22.5

CLAMP UNIT

CLAMP FORCE	ton	100	140	170	200	280	360
CLAMP STROKE	mm	320	360	430	475	580	680
MAXIMUM DAYLIGHT	mm	720	830	980	1075	1280	1510
MINIMUM MOULD HEIGHT	mm	150	150	200	200	200	200
MAXIMUM MOULD HEIGHT	mm	400	470	550	600	700	830
PLATEN SIZE (H x V)	mm	610 x 590	670 x 670	755 x 755	822 x 765	900 x 895	1035 x 1035
DISTANCE BETWEEN TIE ROD (H x V)	mm	400 x 400	445 x 445	505 x 505	570 x 500	650 x 600	720 x 680
EJECTOR STROKE	mm	100	120	140	160	160	200
EJECTOR FORCE	ton	4.4	5.3	5.3	7.5	8.5	8.5
MOULD WEIGHT CAPACITY	kg	650	1000	1300	1500	2700	4000

GENERAL

INDUCTION MOTOR	kW	11.2 + 5.6	14.9 + 7.5	18.7 + 7.5	18.7 + 7.5	22.4 + 7.5	18.7 + 7.5	22.4 + 7.5	29.9 + 9.3	37.3 + 9.3	37.3 + 9.3	37.3 + 9.3
TOTAL OIL TANK CAPACITY	ltr	260	315	400	440	510	660					
CONNECTED LOAD	kW	27	32.5	38	38	44	38	44	53.5	65	65	69.5
MACHINE DIMENSIONS (L x W x H)	m	4.5 x 1.6 x 2	5 x 1.7 x 2.1	5.5 x 1.8 x 2.2	5.9 x 2 x 2.3	6.7 x 2.1 x 2.6	7.2 x 2.3 x 2.7					
MACHINE WEIGHT (APPROX.)	ton	4.1	5.1	5.3	6.8	7	7.9	8.2	11.3	12	14.4	15

Special Features

- Heavy duty 5-point Double toggle mechanism with large mould opening stroke
- Injection Speed with Accumulator above 300 mm/s
- High performance Proportional direction control valve on Clamping & Injection unit
- Dual LM guide ways for Clamping & Injection unit
- Accumulator assisted Injection
- Four station high flow Air ejector system with FRL & Auto drain valves
- Mould mounting clamp platen with "T" slot provision (Above 140 ton)
- Rigid Clamping unit for thin wall products
- Redundant Clamp closing safety through proportional DC valve
- Multi point Ejection
- Eject Retract confirmation through proximity interface
- Digital back pressure
- High performance controller
- Safety guard for Injection purging with electric interlocking
- Pin type aluminium die-cast plug socket for easy access of robot & hot runner system
- Energy meter with RS485 communication protocol gives high accuracy report on screen
- Antivibration machine leveling pads (No civil foundation required)
- Auxiliary power supply plug & socket
- S.S. water manifold
- Water flow control valve on Heat exchanger
- Three zone hot runner

Optional Features

- Corepull Three or more station
- Electronics Variable Pump
- Imported Heater Jacket
- Sensor for Part drop detection (For Single Cavity)
- Six station high flow Air ejector system with FRL & Auto drain valves
- Bimetallic Barrel & Hardened/Coated Screw