

Technical Specification of Single Colour • NP Series (Advantage)



NP 20/40 to NP 150/300

Sr. No.	Description	Unit	NP 20/40	NP 50/100			NP 100/200			NP 125/250			NP 150/300		
				A	B	C	A	B	C	A	B	C	A	B	C
A	Injection unit			A	B	C	A	B	C	A	B	C	A	B	C
1	Screw Diameter	MM	25.4	28	30	35	35	40	45	40	45	50	45	50	55
2	Injection Pressure	BAR	1560	2150	1850	1375	2050	1600	1260	2280	1800	1460	2060	1680	1380
3	System Pressure	BAR	125		150			150			140			160	
4	Screw Stroke + SB	MM	115 + 10		135 + 10			140 + 10			190 + 15			190 + 15	
5	Stroke Volume	CC	58	80	95	130	135	180	220	230	300	400	325	370	480
6	Shot Weight (PS)	GMS	50	75	86	116	120	160	198	230	270	360	290	330	430
7	Injection Rate	GMS/SEC	35	43	50	68	67	87	111	76	97	119	97	118	145
8	Injection Time	SECOND	1.4		2.2			1.8			2.4			3.1	
9	Plasticising Cap.(PS) ** Max. Speed	QMS/SEC	5	9	10.5	14.2	11	14	17.5	15.5	20	24	25	31	37
10	L/D Ratio		22	22	21:01	18	25	22:01	20	24	22:01	19.8	23	20:01	19
11	Screw Revolution	RPM	240		280			230			280			210	
12	Heating Capacity	KW	4.2		5.2			9.1			11.4			12.5	
13	No. of Heating Zone		4		4			5			5			5	
14	Nozzle Contact Force	TONNES	2.8		2.2			2.5			3.5			3.6	
15	Locating Ring Diameter	MM	75		100			125			125			160	
B	Locking Unit														
16	Type (Integrated Cast)		Horizontal		Vertical			Vertical			Vertical			Vertical	
17	Clamping Force	TONNES	30		50			100			125			150	
18	Mold Opening Stroke	MM	200		265			360			420			470	
19	Max/Min Mold Height	MM	250/100		320/120			450/160			480/180			530/200	

20	Max. Daylight	MM	450		585			810			900			1000
21	Dist. Between Tie Bar	MM	250 x 250		310 x 310			410 x 410			465 x 465			515 x 515
22	Size of Mold Platen	MM	400 x 400		480 x 480			615 x 615			680 x 680			765 x 765
23	Ejector Force	TONNES	2.5		2.9			4.5			4.5			7.5
24	Ejector Stroke	MM	60		70			130			130			130
25	No. of Ejector Pin	NOS	1		4			5			5			5
C	General Data													
25	Pump Drive	KW	5		7.5			11			15			18.5
26	Total Load	KW	9.2		12.7			20.1			26.4			31
27	Oil Tank Capacity	LITRE	110		135			200			270			275
28	Machine Dim. L x W x H	MTR	3.4 x 1.3 x 1.7		4 x 1.4 x 1.7			5.2 x 1.4 x 1.9			5.6 x 1.6 x 2.1			5.7 x 1.8 x 2.2
29	Machine Weight	TONNES	3.5		4			4.5			5.5			7.5

NP 200/400 to NP 450/900

Sr. No.	Description	Unit	NP 200/400			NP 250/500			NP 350/700			NP 450/900		
			A	B	C	A	B	C	A	B	C	A	B	C
A	Injection Unit													
1	Screw Diameter	MM	50	55	60	60	65	70	65	70	75	75	80	84
2	Injection Pressure	BAR	2050	1990	1420	2100	1800	1550	2050	1800	1550	1770	1560	1410
3	System Pressure	BAR		160			160			160			160	
4	Screw Stroke + SB	MM		235 + 15			240 + 20			310 + 20			370 + 20	
5	Stroke Volume	CC	490	593	707	727	853	989	1094	1269	1457	1722	1959	2160
6	Shot Weight (PS)	GMS	441	534	636	662	776	900	995	1150	1325	1567	1786	1966
7	Injection Rate	GMS/SEC	176	213	254	180	214	248	229	265	303	412	470	517
8	Injection Time	SECOND		2.5			2.9			3.5			3.8	
9	Plasticising Cap. (PS) ** Max. Speed	GMS/SEC	25	31	36	35	40	48	40	45	55	45	50	58
10	L/D Ratio		22.5	20:01	18	21	20:01	18	22	20	19	21	20:01	19
11	Screw Revolution	RPM		180			180			180			160	
12	Heating Capacity	KW		14.7			17			20			23.65	
13	No. of Heating Zone			6			6			7			9	

14	Nozzle Contact Force	TONNES		7			7			10			10
15	Locating Ring Diameter	MM		160			160			160			200
B	Locking Unit												
16	Type (Integrated Cast)			Vertical			Vertical			Vertical			Vertical
17	Clamping Force	TONNES		200			250			350			450
18	Mold Opening Stroke	MM		540			600			700			750
19	Max/Min Mold Height	MM		600/220			660/250			750/250			820/300
70	Max. Daylight	MM		1140			1260			1450			1570
21	Dist. Between Tie Bar	MM		570 x 570			660 x 660			725 x 705			800 x 762
22	Size of Mold Platen	MM		840 x 840			960 x 960			1040 x 1020			1110 x 1148
23	Ejector Force	TONNES		7.2			8			13			14
24	Ejector Stroke	MM		130			160			160			200
25	No. of Ejector Pin	NOS		9			13			15			13
C	General Data												
25	Pump Drive	KW		22			30			37			45
26	Total Load	KW		36.7			47			57			
27	Oil Tank Capacity	LITRE		315			550			650			700
28	Machine Dim. L x W x H	MTR		5.84 x 1.14 x 2.34			6.8 x 1.9 x 2.42			7.23 x 1.87 x 2.57			8.00 x 1.92 x 2.71
29	Machine Weight	TONNES		9			11			15			20