

NIIGATA



CN, NN

SERIES

TECHNOLOGY WITH SPEED



NIIGATA CN, NN SERIES SPECIFICATIONS

DESCRIPTION	UNIT	CN30			CN50			CN75			CN100			CN160			NN20B		NN30H		
Screw diameter	mm	OP 18	OP 25	OP 30	OP 25	OP 30	OP 35	OP 30	OP 35	OP 40	OP 35	OP 40	OP 45	OP 40	OP 45	OP 52	OP 18	OP 20	OP 18	OP 25	OP 30
Plasticizing Capability	kg/H	10	26	40	24	41	54	34	43	72	37	65	80	77	100	154	8	10	9	26	42
Shot weight (PS)	g	19.4	37	54	44	64	86	73	98	129	107	141	179	205	255	340	14	17	19.4	37	54
	OZ	0.7	1.3	1.9	1.5	2.3	3.0	2.6	3.5	4.6	3.8	5.0	6.4	7.2	9.0	12.0	0.5	0.6	0.7	1.3	1.9
Max. Injection pressure	kg/cm ²	2500	2020	1400	2510	1880	1380	2625	1930	1480	570	1945	1540	2450	1935	1450	2645	2140	2520	2150	1490
Shot ratio	cm ³ /SEC	23	44	63	39	57	77	57	78	102	76	100	125	126	161	215	48	60	42	82	117
Screw revolutions	rpm	400(330)			400(330)			325(270)			275(230)			270(225)			300(250)		350/250(350/250)		
Mold clamping force	ton	30			50			75			100			160			20		30		
Mold opening stroke	mm	230			250			280			320			400			200		230		
Min./Max. mold height	mm	150/250			180/300			180/350			200/390			220/450			120/200		150/250		
Daylight	mm	480			550			630			710			850			400		480		
Tie-bar distance (HxV)	mm	260 x 260			310 x 250			360 x 270			410 x 300			510 x 410			205 x 205		260 x 260		
Mold Platen size (HxV)	mm	50			70			75			80			100			40		50		
Pump motor	kw	7.5			11			15			18.5			22			5.5		7.5		
Heater	kw	2.62			4.12			5.62			7.42			10.11			1.95		2.8		
Total	kw	10.12			15.12			20.62			25.92			32.11			7.45		10.3		
Hydraulic oil tank capacity	l	140			150			200			290			440			80		110		
Machine size (LxWxH)	m	3.0 x 0.74 x 1.59			13.59 x 0.77 x 1.70			4.03 x 0.84 x 1.84			4.6 x 0.92 x 1.85			5.12 x 1.08 x 1.93			2.96 x 1.27 x 1.62		3.11 x 1.03 x 1.61		
Machine weight	ton	1.7			2.3			3.5			5.0			6.0			1.8		2.3		

DESCRIPTION	UNIT	NN 50H			NN75H			NN100H			NN 160H			NN250H		NN350H		NN450H		
Screw diameter	mm	OP 25	OP 30	OP 35	OP 30	OP 35	OP 40	OP 35	OP 40	OP 45	OP 40	OP 45	OP 52	OP 52	OP 60	OP 68	OP 76	OP 75	OP 82	OP 90
Plasticizing Capability	kg/H	25	41	57	36	50	74	40	65	80	77	100	154	130	175	235	275	243	284	345
Shot weight (PS)	g	44	64	86	73	98	129	116	152	192	200	255	340	415	555	875	1095	1332	1557	1876
	OZ	1.5	2.3	3.0	2.6	3.5	4.6	4.1	5.4	6.8	7.0	8.9	11.9	14.6	19.5	30.8	38.5	69.3	54.8	49.4
Max. Injection pressure	kg/cm ²	2500	2030	1490	2520	2075	1590	2510	2000	1580	2450	1935	1450	1905	1430	1865	1490	1969	1692	1404
Shot ratio	cm ³ /SEC	98	142	192	115	160	210	195	255	325	251	318	425	368	490	525	656	624	726	875
Screw revolutions	rpm	170/340			200/300			165/250			140/225			160/235		125/205		125/195		
Mold clamping force	ton	50			75			100			160			250		350		450		
Mold opening stroke	mm	250			180			320			430			520		650		800		
Min./Max. mold height	mm	160/330			170/380			200/400			220/450			250/550		350/670		380/750		
Daylight	mm	580			660			720			880			1070		1320		1550		
Tie-bar distance (HxV)	mm	310 x 310			360 x 360			410 x 410			510 x 510			610 x 610		710 x 710		810 x 810		
Mold Platen size (HxV)	mm	70			75			80			100			120		150		160		
Pump motor	kw	11			15			18.5			22			37		45		55		
Heater	kw	4.54			6.22			7.42			11.2			16.42		21.8		29.42		
Total	kw	15.54			21.22			25.92			33.02			53.42		66.8		84.42		
Hydraulic oil tank capacity	l	160			230			300			330			450		590		900		
Machine size (LxWxH)	m	3.76 x 1.05 x 1.77			4.16 x 1.131 x 1.91			4.64 x 1.26 x 1.96			5.40 x 1.30 x 2.03			6.17 x 1.47 x 2.31		7.40 x 1.6 x 2.4		8.44 x 1.74 x 2.37		
Machine weight	ton	3.0			4.0			5.2			7.0			12		16		20		