

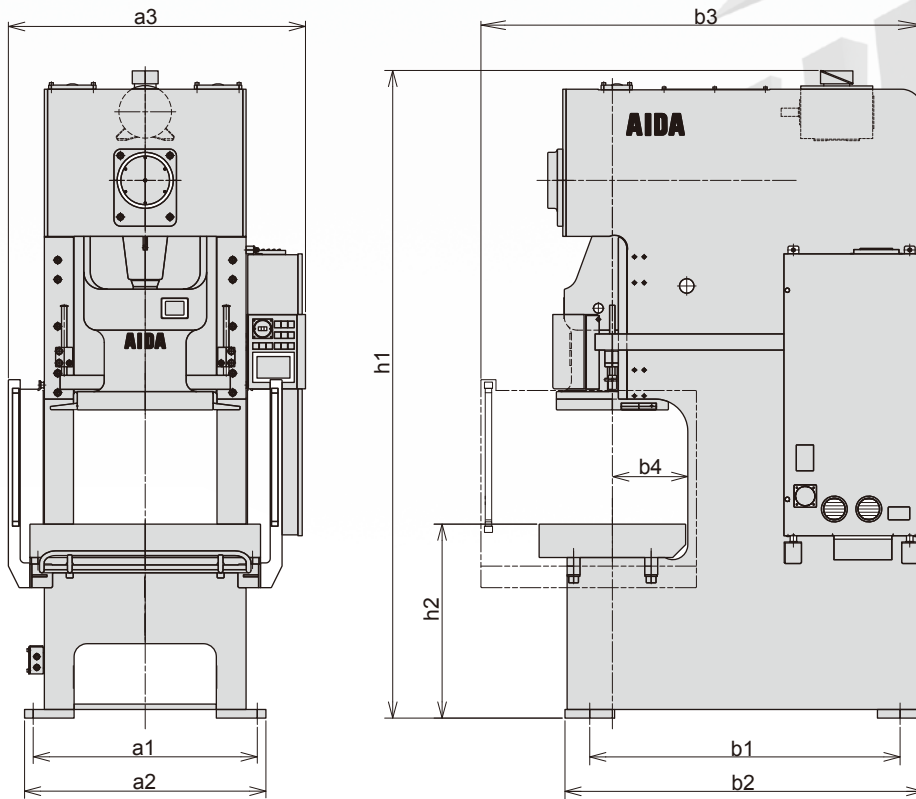


**AIDA**

# NC1-E

## Gap Frame Presses

### Specifications



#### ■ Dimensions & Primary Specifications

Model		Foundation Bolt Dimensions	Installation Method	Maximum Dimensions	Total Height	Working Surface Height
		a1×b1	a2×b2	a3×b3	h1	h2
NC1-350	(1)E	720×845	800×1005	1050×1540	2190	800
	(2)E	720×905	800×1065		2265	
NC1-450	(S)E	745×910	825×1080	1120×1645	2290	800
	(1)E			1120×1635		
	(2)E	745×950	825×1120	1120×1610	2350	
NC1-600	(S)E	840×1010	920×1185	1175×1565	2540	900
	(1)E			1175×1560		
	(2)E	840×1050	920×1225	1175×1590	2595	
NC1-800	(1)E	920×1160	1000×1350	1255×1725	2720	900
	(2)E	920×1210	1000×1400	1255×1755	2805	
NC1-1100	(1)E	1040×1340	1120×1560	1380×1970	3025	900
	(2)E	1040×1440	1120×1660	1380×2050	3005	
NC1-1500	(1)E	1140×1560	1220×1810	1485×2275	3100	900
	(2)E	1140×1660	1220×1910	1485×2335	3170	
NC1-2000	(1)E	1360×1890	1440×2170	1850×2640	3610	1000
	(2)E	1360×2020	1440×2300	1850×2710	3695	
NC1-2500	(2)E	1730×2135	1850×2425	2210×2885	4380	1100

## ● Unit Specifications

Model		NC1-350		NC1-450			NC1-600			NC1-800	
		(1)E	(2)E	(S)E	(1)E	(2)E	(S)E	(1)E	(2)E	(1)E	(2)E
Tonnage Capacity	kN	350		450			600			800	
Rated Tonnage Point	mm	2.6		2.3	3.2		2.3	4		5	
Stroke Length	mm	70	120	50	80	120	55	90	140	100	160
Continuous SPM (No Load)	min <sup>-1</sup>	90~150	55~105	85~175	65~130	50~95	80~165	60~120	45~85	55~110	40~75
Die Height	mm	200	250	250		270	270		300	300	320
Slide Adjustment	mm	50		60			70			80	
Slide Area (L/R x F/B)	mm	380×300		410×340			480×400			540×460	
Bolster Area (L/R x F/B)	mm	730×310	730×380	810×360		810×440	870×400		870×520	950×460	950×600
Bolster Thickness	mm	100		110			130			140	
Frame Gap (b4)	mm	160	195	185		225	210		270	240	310
Main Motor	kW	5.5		5.5			5.5			7.5	
Required Air Pressure	MPa	0.5		0.5			0.5			0.5	

Model		NC1-1100		NC1-1500		NC1-2000		NC1-2500
		(1)E	(2)E	(1)E	(2)E	(1)E	(2)E	(2)E
Tonnage Capacity	kN	1100		1500		2000		2500
Rated Tonnage Point	mm	5		6		6		6.5
Stroke Length	mm	110	180	130	200	160	250	300
Continuous SPM (No Load)	min <sup>-1</sup>	50~100	35~65	40~85	30~55	35~70	25~45	20~35
Die Height	mm	320	350	350	400	410	450	540
Slide Adjustment	mm	90		100		110		120
Slide Area (L/R x F/B)	mm	630×520		700×580		880×650		1100×730
Bolster Area (L/R x F/B)	mm	1070×520	1070×680	1170×600	1170×760	1390×680	1390×840	1750×900
Bolster Thickness	mm	155		165		180		180
Frame Gap (b4)	mm	270	350	310	390	350	430	470
Main Motor	kW	11	7.5	11		15		22
Required Air Pressure	MPa	0.5		0.5		0.5		0.5

## ● Die Cushion Specifications

Press Model		NC1-350(2)E	NC1-450(2)E	NC1-600(2)E	NC1-800(2)E	NC1-1100(2)E	NC1-1500(2)E	NC1-2000(2)E	NC1-2500(2)E
Die Cushion Model		NCY-3-1	NCY-4-1	NCY-6-1	NCY-8-1	NCY-11-1	NCY-15-1	NCY-20-1	NCY-25-1
Capacity (at 0.5 MPa)	kN	26	26	35	63	80	100	140	140
Stroke Length	mm	60	60	70	70	80	80	100	100
Pad Dimensions (L/R x F/B)	mm	285×240	335×205	370×235	410×260	480×300	540×340	640×440	640×440

## ● Press Standard Equipment

- Hydraulic Overload Protector
- Emergency Stop Buttons
- Side Covers
- Overrun Monitor
- Clutch & Brake Solenoid Valve with Monitor
- MPC (Multi-Processor Controller)
- Auto-Greasing Device (with Interlock)
- Motorized Slide Adjustment
- Die Height Indicator (0.1 mm Digital Display)
- Crank Angle Indicator (Digital Display)
- Main Motor (Inverter Type)
- Mode Selector (Inch, Off, Single, Continuous)
- Stand-Type Operation Button Box
- Punch Holder (800 kN or smaller)
- Air Ejector (3/8B x 1)
- Air Outlet (3/8B x 1)
- Timing Switches (4 spare channels)
- Databank (20 Recipes)
- Preset Counters (6-Digit x 3)
- Maintenance Counter (1 non-resettable type; 8-digit)
- Hour Meter (6-Digit x 1)
- Instruction Manuals (Qty.: 2)

## ● Special Peripheral Equipment

- Die Block (with Safety Plug)
- Light Curtains (Front of Press)
- HOLP Lower Pressure Setting Device
- Tonnage Monitor
- Main Circuit Fuseless Breakers
- Main Motor Reversing Device
- Flywheel Brake
- Slide Knockout
- Die Cushion
- Die Clamps
- Die Lifters
- Die Protection Receptacles (2 Circuits)
- Multifunction Die Monitor
- Die Lighting
- Automation Devices
- Vibration Mounts
- Tool Receptacle (100 V x 5 A x 1 unit; Supplied Voltage x 20 A x 1 unit)

\* There are many other types of special equipment available, so please consult with AIDA.

\* Specifications as well as the external appearance and the accessories may change without notice as a result of design improvements.

## AIDA ENGINEERING, LTD.

Corporate Headquarters : 2-10 Ohyama-cho, Midori Ward, Sagami-hara City, Kanagawa Prefecture, 252-5181, Japan

Phone : (81)-42-772-5231 Facsimile : (81)-42-772-5261

Homepage : <https://www.aida.co.jp/>

696-A-2410E(D)