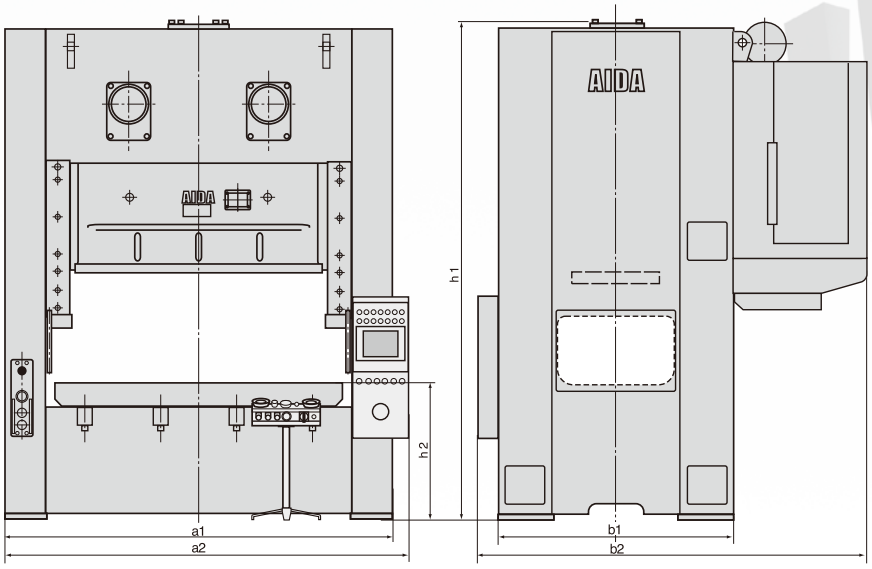
AIDA



DSF-N2
Direct Servo Former
Specifications

■Dimensions & Primary Specifications

		DSF-N2-1100	DSF-N2-1600	DSF-N2-2000	DSF-N2-2500	DSF-N2-3000
Working Surface Height	h2	900	900	1000	1100	1150
Installation Dimensions	a1xb1	2370×1500	2530×1650	2900×1750	3200×1850	3200×2100
Maximum Dimensions	a2xb2	2515×2605	2695×2805	2960×2905	3255×3245	3290×3355
Total Height	h1	3080	3300	3710	4135	4460

	Model		(Unit)	DSF-N2-1100	DSF-N2-1600	DSF-N2-2000	DSF-N2-2500	DSF-N2-3000
	Tonnage Capacity		(kN)	1100	1600	2000	2500	3000
	Rated Tonnage Point		(mm)	5.0	6.0	7.0	7.0	6.0
	Working Energy		(J)	6000	9600	16500	28000	39000
	Stroke Length	Upper Values are for Fwd/Rev. Motion	(mm)	70/110/150	80/120/160	110/160/200	120/170/230	120/180/240
				180	200	250	280	300
※1	Continuous SPM (No Load)	Differs by Stroke Length	(min^{-1})	102/84/70	94/78/66	79/66/57	68/57/46	64/52/43
				1～70	1～60	1～50	1～40	1～35
	Die Height		(mm)	400	450	500	550	650
	Slide Adjustment		(mm)	90	100	110	120	130
	Slide Area (L/R x F/B)		(mm)	1360×520	1500×580	1850×650	2100×700	2400×900
	Bolster Area (L/R x F/B)		(mm)	1660×680	1800×760	2150×840	2400×920	2400×1200
	Bolster Thickness		(mm)	155	165	170	180	200
※2	Side Opening		(mm)	700×345(335)	780×385(375)	860×425(415)	940×465(455)	1220×630(580)
	Maximum Upper Die Weight		(kg)	550	800	1200	1650	2300
	Main Motor (AC Servo)		(kW)	40	55	120	120	120
	Power Source Capacity		(kVA)	26	35	43	61	69
	Required Air Pressure		(MPa)	0.5	0.5	0.5	0.5	0.5
	Foundation Bolt Positions (L/R x F/B)		(mm)	2090×1200	2270×1300	2620×1400	2920×1500	2960×1650
	Bed Opening Dimensions (L/R x F/B)		(mm)	1480×350	1600×380	1900×460	2200×480	2160×520

Die Cushion Model	(Unit)	NCYD-11-1	NCYD-16-1	NCYD-20-1	NCYD-25-1	NCYD-30-1
Capacity (0.5 MPa)	(kN)	45×2	70×2	96×2	125×2	159×2
Stroke Length	(mm)	80	80	100	110	130
Pad Dimensions: (L/R x F/B)	(mm)	480×340	560×370	700×450	720×470	760×500

Note 1. The above Continuous SPM (No Load) value is for crank motion. Note 2. Dimensions in parentheses show the height above the bolster.
・These specifications may change without notice.

■Standard・Special Equipment

Standard Equipment	Hydraulic Overload Protector
	Electronic Crank Angle Indicator
	Die Height Indicator (Unit: 0.01 mm)
	Motorized Slide Adjustment
	Variable Set Point Device
	Forced Recirculation Lubrication System
	Control Panel
	Main Operation Panel
	Operation Stand: 2-Hand Operation
	・Stand Type
	・With Manual Pulse Handle
	Servo Amps
	MPC (Multi-Processor Controller)
	SVC (Servo Controller)
	PLC (Programmable Logic Controller)
	HMI (Human-Machine Interface)
	Timing Switches: 4 Spare Cams
	Production Counters: 3 Resettable 6-Digit Counters
	Maintenance Counter: Non-Reset Type
	Data Bank (99 Recipes)
	Light Curtains (Front of Press)
	Emergency Stop Buttons
	Pressure Switches (Pneumatic, Hydraulic)
	Die Protection: 2 Circuits, No Receptacles
	Air Ejector: 3/8B x 1
	Air Outlet: 3/8B x 1
	HMI Language Selection (Chinese・English・Japanese)
	Instruction Manuals

Special Peripheral Equipment	Die Cushion
	Die Lifters
	Die Clamps
	100 V Tool Receptacles
	200 V Tool Receptacles
	Vibration Mounts
	Anchor Bolts
	Die Area Lighting: Spotlight-type
	Safety Guards
	Safety Block with Plug
	Increased Maximum Upper Die Weight
	Load Monitor (ALA)
	Stop Position Selector
	HOLP Lower Pressure Setting Device
	Automation Devices
	Slide Knockout
	NC Die Cushion
	Motion Setting Tool

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

AIDA ENGINEERING, LTD.

Corporate Headquarters : 2-10 Ohyama-cho, Midori Ward, Sagamihara City, Kanagawa Prefecture, 252-5181, Japan
Phone : (81)-42-772-5231 Facsimile : (81)-42-772-5261
Homepage : https://www.aida.co.jp/

677-A-2410E(D)