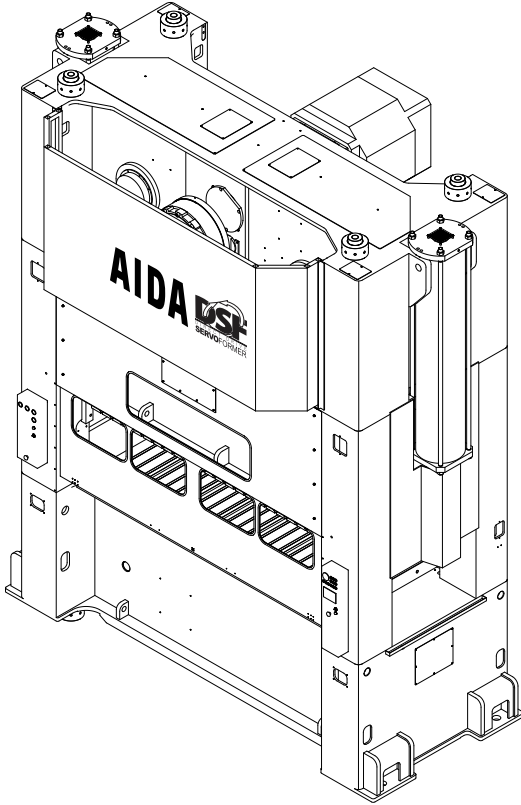




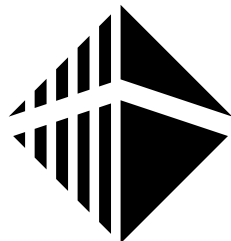
MODULAR CONFIGURATION STRAIGHTSIDE PRESSES

MCX | DSF-M2

MECHANICAL DRIVE

DIRECT DRIVE SERVOFORMER

SPECIFICATIONS



AIDA
America

		MCX-3150 MODELS (MECHANICAL)			DSF-M2-3150 MODELS (SERVO)					
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction				
Capacity	kN	3,150			3,150					
	U.S. ton	347			347					
Full Stroke Length	mm	250 or 300	250 or 300	300 or 350	250		300		350	
	in.	9.8 or 11.8	9.8 or 11.8	11.8 or 13.8	9.8		11.8		13.8	
Rating Point	mm / SPM	6.4	12.7	12.7	7.7 @ 40	2.6 @ 50	6.4 @ 40	2.3 @ 50	5.2 @ 40	2.0 @ 50
	in. / SPM	0.25	0.50	0.50	0.30 @ 40	0.10 @ 50	0.25 @ 40	0.09 @ 50	0.20 @ 40	0.08 @ 50
Die Height Options (SDAU)	mm	600, 650, 700 or 750			600, 650, 700 or 750					
	in.	23.6, 25.6, 27.6 or 29.5			23.6, 25.6, 27.6 or 29.5					
Slide Adjustment	mm	200			200					
	in.	79			79					
Slide and Bolster Area	mm	3050 x 1500			3050 x 1500					
	in.	120.1 x 59.1			120.1 x 59.1					
Bolster Thickness	mm	150			150					
	in.	5.9			5.9					
Max Upper Die Weight	kg	3,000			3,000					
	lb.	6,600			6,600					
Side Window Opening	mm	1100			1100					
	in.	43.3			43.3					
Floor to Top of Bolster	mm	850			850					
	in.	33.5			33.5					
Press Foot to Top of Bolster	mm	1290			1290					
	in.	50.8			50.8					
Press Overall Height	mm	6230			5770					
	in.	245			227					
Slide Deflection Rating	mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)					
	in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)					
Bed Deflection Rating	mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)					
	in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)					
SERVO Motor		Qty.	N/A		1					
Main Motor	Standard	kW / HP	30 / 40	N/A		200 / 270				
	Med. Energy		45 / 60		N/A					
	High Energy		55 / 75		N/A					
Main Circuit Breaker(s), Avg. Full Load Amps	Standard	A; FLA	100 A; 72 A FLA		200 A; Avg. FLA: 160 A					
	Med. Energy		125 A; 97 A FLA							
	High Energy		150 A; 116 A FLA							
Strokes per minute										
Full Stroke	SPM	20 to 60	20 to 60	15 to 40	1 to 50					
Pendulum Stroke, 150 mm	SPM	N/A			1 to 82*					
Pendulum Stroke, 125 mm	SPM	N/A			1 to 89*					
Pendulum Stroke, 100 mm	SPM	N/A			1 to 97*					
Pendulum Stroke, 75 mm	SPM	N/A			1 to 108*					
Pendulum Stroke, 60 mm	SPM	N/A			1 to 116*					
Micro-inch Speed	SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed					
Working Energy										
Standard Energy SERVO: Full Stroke	kJ	23 @ 30 SPM	N/A		65 @ 50 SPM, 95 @ 20 SPM					
	in-U.S. ton	100 @ 30 SPM			288 @ 50 SPM, 420 @ 20 SPM					
Medium Energy	kJ	36 @ 30 SPM	36 @ 30 SPM	38 @ 20 SPM	N/A					
	in-U.S. ton	160 @ 30 SPM	160 @ 30 SPM	170 @ 20 SPM						
High Energy	kJ	45 @ 30 SPM	45 @ 30 SPM	56 @ 20 SPM	N/A					
	in-U.S. ton	200 @ 30 SPM	200 @ 30 SPM	250 @ 20 SPM						

Dimensions in inches are rounded to the nearest value.

*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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		MCX-4000 MODELS (MECHANICAL)			DSF-M2-4000 MODELS (SERVO)												
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction					SERVO Double Reduction						
Capacity		kN	4,000			4,000											
		U.S. ton	440			440											
Full Stroke Length		mm	250, 300 or 350	250, 300 or 350	300, 350 or 400	250		300		350		300		350		400	
		in.	9.8, 11.8 or 13.8	9.8, 11.8 or 13.8	11.8, 13.8 or 15.7	9.8		11.8		13.8		11.8		13.8		15.7	
Rating Point		mm / SPM	6.4	12.7	12.7	11.1 @ 50	4.2 @ 65	9.0 @ 50	3.4 @ 65	7.5 @ 50	3.0 @ 65	12.7 @ 35	12.7 @ 32	10.4 @ 35	12.7 @ 31	9.5 @ 35	
		in. / SPM	0.25	0.50	0.50	0.44 @ 50	0.17 @ 65	0.35 @ 50	0.13 @ 65	0.30 @ 50	0.12 @ 65	0.50 @ 35	0.50 @ 32	0.41 @ 35	0.50 @ 31	0.37 @ 35	
Die Height Options (SDAU)		mm	600, 650, 700 or 750 (800, 850, 900 or 950)			600, 650, 700 or 750 (800, 850, 900 or 950)											
		in.	23.6, 25.6, 27.6 or 29.5 (31.5, 33.5, 35.4 or 37.4)			23.6, 25.6, 27.6 or 29.5 (31.5, 33.5, 35.4 or 37.4)											
Slide Adjustment		mm	250			250											
		in.	9.8			9.8											
Slide and Bolster Area		mm	3050 x 1500 or 3650 x 1500			3050 x 1500 or 3650 x 1500											
		in.	120.1 x 59.1 or 143.7 x 59.1			120.1 x 59.1 or 143.7 x 59.1											
Bolster Thickness		mm	175			175											
		in.	6.9			6.9											
Max Upper Die Weight		kg	4,000			4,000											
		lb.	8,800			8,800											
Side Window Opening		mm	1100			1100											
		in.	43.3			43.3											
Floor to Top of Bolster		mm	850			850											
		in.	33.5			33.5											
Press Foot to Top of Bolster		mm	1575			1575											
		in.	62.0			62.0											
Press Overall Height		mm	6870			6432											
		in.	270			253											
Slide Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)											
		in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)											
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)											
		in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)											
SERVO Motor		Qty.	N/A			1											
Main Motor	Standard	kW / HP	45 / 60	N/A		290 / 400											
	Med. Energy		55 / 75		N/A												
	High Energy		75 / 100		N/A												
Main Circuit Breaker(s), Avg. Full Load Amps	Standard	A; FLA	125 A; 97 A FLA		400 A; Avg. FLA: 225 A												
	Med. Energy		150 A; 116 A FLA														
	High Energy		200 A; 144 A FLA														
Strokes per minute																	
Full Stroke		SPM	20 to 60	20 to 60	15 to 35	1 to 65					1 to 35						
Pendulum Stroke, 150 mm		SPM	N/A			1 to 83*					1 to 55*						
Pendulum Stroke, 125 mm		SPM	N/A			1 to 90*					1 to 60*						
Pendulum Stroke, 100 mm		SPM	N/A			1 to 100*					1 to 65*						
Pendulum Stroke, 75 mm		SPM	N/A			1 to 110*					1 to 70*						
Pendulum Stroke, 60 mm		SPM	N/A			1 to 120*					1 to 75*						
Micro-inch Speed		SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed											
Working Energy																	
Standard Energy SERVO: Full Stroke		kJ	37 @ 30 SPM	N/A		60 @ 65 SPM, 150 @ 20 SPM					110 @ 35 SPM, 160 @ 15 SPM						
		in-U.S. ton	165 @ 30 SPM			265 @ 65 SPM, 664 @ 20 SPM					487 @ 35 SPM, 708 @ 15 SPM						
Medium Energy		kJ	47 @ 30 SPM	47 @ 30 SPM	52 @ 15 SPM	N/A											
		in-U.S. ton	210 @ 30 SPM	210 @ 30 SPM	230 @ 15 SPM												
High Energy		kJ	63 @ 30 SPM	63 @ 30 SPM	79 @ 15 SPM	N/A											
		in-U.S. ton	280 @ 30 SPM	280 @ 30 SPM	350 @ 15 SPM												

Dimensions in inches are rounded to the nearest value.

Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models.

*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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		MCX-6300 MODELS (MECHANICAL)				DSF-M2-6300 MODELS (SERVO)														
Press Technical Data		Unit	Mechanical Single Reduction		Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction					SERVO Double Reduction								
Capacity		kN	6,300				6,300													
		U.S. ton	693				693													
Full Stroke Length		mm	300	350 or 400	300, 350 or 400	400 or 450 (500)	300		350		400		400		450		(500)			
		in.	11.8	13.8 or 15.7	11.8, 13.8 or 15.7	15.7 or 17.7 (19.7)	11.8		13.8		15.7		15.7		17.7		(19.7)			
Rating Point		mm / SPM	6.4		12.7		12.7		9.8 @ 43	4.0 @ 60	8.2 @ 43	3.2 @ 60	7.0 @ 43	3.0 @ 60	12.7 @ 30	8.0 @ 35	12.7 @ 25	7.0 @ 35	(11.0 @ 25)	(6.4 @ 35)
		in. / SPM	0.25		0.50		0.50		0.39 @ 43	0.16 @ 60	0.32 @ 43	0.13 @ 60	0.28 @ 43	0.12 @ 60	0.50 @ 30	0.31 @ 35	0.50 @ 25	0.28 @ 35	(0.43 @ 25)	(0.25 @ 35)
Die Height Options (SDAU)		mm	700, 750, 800 or 850 (900, 950, 1000 or 1050)				700, 750, 800 or 850 (900, 950, 1000 or 1050)													
		in.	276, 29.5, 31.5 or 33.5 (35.4, 37.4, 39.4 or 41.3)				276, 29.5, 31.5 or 33.5 (35.4, 37.4, 39.4 or 41.3)													
Slide Adjustment		mm	300				300													
		in.	11.8				11.8													
Slide and Bolster Area		mm	3050 x 1500 or 3650 x 1500 or 4250 x 1500				3050 x 1500 or 3650 x 1500 or 4250 x 1500													
		in.	120.1 x 59.1 or 143.7 x 59.1 or 167.3 x 59.1				120.1 x 59.1 or 143.7 x 59.1 or 167.3 x 59.1													
Bolster Thickness		mm	175				175													
		in.	6.9				6.9													
Max Upper Die Weight		kg	6,000 (10,000)				6,000 (10,000)													
		lb.	13,200 (22,000)				13,200 (22,000)													
Side Window Opening		mm	1250 (2100)				1250 (2100)													
		in.	49.2 (82.7)				49.2 (82.7)													
Floor to Top of Bolster		mm	850				850													
		in.	33.5				33.5													
Press Foot to Top of Bolster		mm	1825				1825													
		in.	71.9				71.9													
Press Overall Height		mm	7665 (8115)				7207 (7657)													
		in.	302 (319)				284 (301)													
Slide Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)				1 / 8000 or 1 / 12000 (option)													
		in. / ft.	.0015 or .0010 (option)				.0015 or .0010 (option)													
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)				1 / 8000 or 1 / 12000 (option)													
		in. / ft.	.0015 or .0010 (option)				.0015 or .0010 (option)													
SERVO Motor		Qty.	N/A				1													
Main Motor	Standard	kW / HP	55 / 75		N/A			500 / 675												
	Med. Energy		75 / 100			N/A														
	High Energy		90 / 125			N/A														
Main Circuit Breaker(s), Avg. Full Load Amps	Standard	A; FLA	150 A; 115 A FLA			400 A; Avg. FLA: 251 A														
	Med. Energy		200 A; 154 A FLA																	
	High Energy		250 A; 188 A FLA																	
Strokes per minute																				
Full Stroke		SPM	20 to 60	20 to 50	20 to 50	10 to 30	1 to 60					1 to 35								
Pendulum Stroke, 150 mm		SPM	N/A				1 to 67*					1 to 40*								
Pendulum Stroke, 125 mm		SPM	N/A				1 to 73*					1 to 45*								
Pendulum Stroke, 100 mm		SPM	N/A				1 to 80*					1 to 50*								
Pendulum Stroke, 75 mm		SPM	N/A				1 to 90*					1 to 55*								
Pendulum Stroke, 60 mm		SPM	N/A				1 to 100*					1 to 58*								
Micro-inch Speed		SPM	10				1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed													
Working Energy																				
Standard Energy SERVO: Full Stroke		kJ	47 @ 25 SPM	54 @ 25 SPM	N/A			60 @ 60 SPM, 95 @ 50 SPM, 180 @ 20 SPM					105 @ 35 SPM, 175 @ 15 SPM							
		in-U.S. ton	208 @ 25 SPM	240 @ 25 SPM				265 @ 60 SPM, 420 @ 50 SPM, 796 @ 20 SPM					465 @ 35 SPM, 774 @ 15 SPM							
Medium Energy		kJ	63 @ 25 SPM	75 @ 25 SPM	75 @ 25 SPM	86 @ 15 SPM	N/A													
		in-U.S. ton	280 @ 25 SPM	330 @ 25 SPM	330 @ 25 SPM	380 @ 15 SPM														
High Energy		kJ	80 @ 25 SPM	95 @ 25 SPM	95 @ 25 SPM	136 @ 15 SPM	N/A													
		in-U.S. ton	356 @ 25 SPM	420 @ 25 SPM	420 @ 25 SPM	600 @ 15 SPM														

Dimensions in inches are rounded to the nearest value.

Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models.

*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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Dimensions in inches are rounded to the nearest value.

Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models.

*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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		MCX-10000 MODELS (MECHANICAL)			DSF-M2-10000 MODELS (SERVO)											
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction				SERVO Double Reduction						
Capacity		kN	10,000			10,000										
		U.S. ton	1,100			1,100										
Full Stroke Length		mm	350 or 400	350 or 400	400, 500 or 600	350		400		500		550		600		
		in.	13.8 or 15.7	13.8 or 15.7	15.7, 19.7 or 23.6	13.8		15.7		19.7		21.7		23.6		
Rating Point		mm / SPM	6.4	12.7	12.7	6.1 @ 43	5.0 @ 50	5.3 @ 43	4.3 @ 50	11.0 @ 25	7.0 @ 30	10.0 @ 25	6.3 @ 30	9.0 @ 25	5.7 @ 30	
		in. / SPM	0.25	0.50	0.50	0.24 @ 43	0.20 @ 50	0.21 @ 43	0.17 @ 50	0.43 @ 25	0.28 @ 30	0.39 @ 25	0.25 @ 30	0.35 @ 25	0.22 @ 30	
Die Height Options (SDAU)		mm	800, 850, 900 or 950			800, 850, 900 or 950										
		in.	31.5, 33.5, 35.4 or 37.4			31.5, 33.5, 35.4 or 37.4										
Slide Adjustment		mm	300			300										
		in.	11.8			11.8										
Slide and Bolster Area		mm	4600 x 1800 or 6100 x 1800			4600 x 1800 or 6100 x 1800										
		in.	181.1 x 70.9 or 240.2 x 70.9			181.1 x 70.9 or 240.2 x 70.9										
Bolster Thickness		mm	260			260										
		in.	10.2			10.2										
Max Upper Die Weight		kg	12,000 (15,000 for 6100 L-R)			12,000 (15,000 for 6100 L-R)										
		lb.	26,400 (33,000 for 6100 L-R)			26,400 (33,000 for 6100 L-R)										
Side Window Opening		mm	1750 (2450)			1750 (2450)										
		in.	68.9 (96.5)			68.9 (96.5)										
Floor to Top of Bolster		mm	850			850										
		in.	33.5			33.5										
Press Foot to Top of Bolster		mm	2230			2230										
		in.	87.8			87.8										
Press Overall Height		mm	10700			10700										
		in.	421			421										
Slide Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)										
		in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)										
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)										
		in. / ft.	.0015 or .0010 (option)			.0015 or .0010 (option)										
SERVO Motors		Qty.	N/A			2										
Main Motor(s)		Standard	kW / HP	110 / 150	150 / 200	110 / 150	580 / 800									
		High Energy		150 / 200	188 / 250	150 / 200	N/A									
Main Circuit Breaker(s), Avg. Full Load Amps	Standard	A; FLA	225 A; 176 A FLA	250 A; 200 A FLA	250 A; 200 A FLA	2 Circuit Breakers: 400 A each; Avg. FLA: 464 A										
	High Energy		250 A; 200 A FLA	350 A; 280 A FLA												
Strokes per minute																
Full Stroke		SPM	20 to 50		15 to 30	1 to 50				1 to 30						
Pendulum Stroke, 200 mm		SPM	N/A			TBD				1 to 35*						
Pendulum Stroke, 150 mm		SPM	N/A			TBD				1 to 40*						
Pendulum Stroke, 100 mm		SPM	N/A			TBD				1 to 44*						
Pendulum Stroke, 75 mm		SPM	N/A			TBD				1 to 47*						
Micro-inch Speed		SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed										
Working Energy																
Standard Energy SERVO: Full Stroke		kJ	109 @ 20 SPM	141 @ 20 SPM	183 @ 15 SPM	140 @ 50 SPM, 290 @ 20 SPM				250 @ 30 SPM, 400 @ 10 SPM						
		in-U.S. ton	481 @ 20 SPM	622 @ 20 SPM	810 @ 15 SPM	620 @ 50 SPM, 1283 @ 20 SPM				1106 @ 30 SPM, 1770 @ 10 SPM						
High Energy		kJ	141 @ 20 SPM	186 @ 23 SPM	250 @ 15 SPM	N/A				N/A						
		in-U.S. ton	622 @ 20 SPM	823 @ 23 SPM	1100 @ 15 SPM											

Dimensions in inches are rounded to the nearest value.

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*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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AIDA-America Corporation

7660 Center Point 70 Blvd., Dayton, OH U.S.A. 45424

Office: (937) 237-2382 Service: (937) 235-3599

info@aida-america.com www.aida-global.com

www.aida-global.com