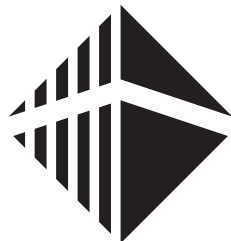


MODULAR CONFIGURATION STRAIGHTSIDE PRESSES

MCX | DSE-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.	7.9			7.9					
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	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	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	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	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	N/A										
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	N/A										

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	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	150 A; 115 A FLA				2 Circuit Breakers: 400 A, 100 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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		MCX-8000 MODELS (MECHANICAL)			DSF-M2-8000 MODELS (SERVO)								
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction 1/2" Rating	SERVO Single Reduction				SERVO Double Reduction			
Capacity		kN	8,000			8,000							
		U.S. ton	880			880							
Full Stroke Length		mm	350 or 400	350 or 400	450 or 500	300	350	400	450	500	400	450	500
		in.	13.8 or 15.7	13.8 or 15.7	17.7 or 19.7	11.8	13.8	15.7	17.7	19.7	15.7	17.7	19.7
Rating Point		mm / SPM	6.4	12.7		6.0 @ 43 2.3 @ 60	5.0 @ 43 2.0 @ 60	8.0 @ 46 4.1 @ 55	7.0 @ 46 5.1 @ 50	6.4 @ 45	8.0 @ 27 3.8 @ 40	6.4 @ 30 3.3 @ 40	6.0 @ 28 3.0 @ 40
		in. / SPM	0.25	0.50		0.24 @ 43 0.09 @ 60	0.20 @ 43 0.08 @ 60	0.31 @ 46 0.16 @ 55	0.28 @ 46 0.20 @ 50	0.25 @ 45	0.31 @ 27 0.15 @ 40	0.25 @ 30 0.13 @ 40	0.24 @ 28 0.12 @ 40
Die Height Options (SDAU)		mm	750, 800, 850 or 900			750, 800, 850 or 900							
		in.	29.5, 31.5, 33.5 or 35.4			29.5, 31.5, 33.5 or 35.4							
Slide Adjustment		mm	300			300							
		in.	11.8			11.8							
Slide and Bolster Area		mm	3650 x 1800 or 4600 x 1800			3650 x 1800 or 4600 x 1800							
		in.	143.7 x 70.9 or 181.1 x 70.9			143.7 x 70.9 or 181.1 x 70.9							
Bolster Thickness		mm	235			235							
		in.	9.3			9.3							
Max Upper Die Weight		kg	10,000			10,000							
		lb.	22,000			22,000							
Side Window Opening		mm	1400 (2450)			1400 (2450)							
		in.	55.1 (96.5)			55.1 (96.5)							
Floor to Top of Bolster		mm	850			850							
		in.	33.5			33.5							
Press Foot to Top of Bolster		mm	2070			2070							
		in.	81.5			81.5							
Press Overall Height		mm	9100			8838							
		in.	358			348							
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(s)		Qty.	N/A			1		2		1			
Main Motor(s)		Standard	75 / 100	N/A	90 / 125	500 / 675		580 / 780		500 / 675			
		Med. Energy	90 / 125			110 / 150		N/A					
		High Energy	110 / 150	150 / 200			N/A						
Main Circuit Breaker(s), Avg. Full Load Amps		Standard	200 A; 144 A FLA	N/A	225 A; 176 A FLA	(1) A8 - RHC 160 - 400 A; Avg. FLA: 252 A or		(2) A7 - RHC 160 - 2 Circuit Breakers: 400 A each; Avg. FLA: 463 A		(1) A8 - RHC 315 - 600 A; Avg. FLA 440 A			
		Med. Energy	225 A; 176 A FLA			250 A; 200 A FLA							
		High Energy	225 A; 176 A FLA	350 A; 280 A FLA			(1) A8 - RHC 315 - 600 A; Avg. FLA: 440 A						
Strokes per minute													
Full Stroke	SPM	20 to 50	20 to 50	12 to 30	1 to 60		1 to 55	1 to 50	1 to 45	1 to 40			
Pendulum Stroke, 150mm	SPM	N/A			1 to 56*		1 to 77*		1 to 48*				
Pendulum Stroke, 125 mm	SPM	N/A			1 to 61*		1 to 82*		1 to 51*				
Pendulum Stroke, 100 mm	SPM	N/A			1 to 67*		1 to 90*		1 to 56*				
Pendulum Stroke, 75 mm	SPM	N/A			1 to 74*		1 to 97*		1 to 60*				
Pendulum Stroke, 60 mm	SPM	N/A			1 to 80*		1 to 104*		1 to 64*				
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	71 @ 20 SPM	N/A		97 @ 12 SPM	150 @ 40, 260 @ 20		130 @ 40, 220 @ 20		115 @ 40, 225 @ 20		
		in-U.S. ton	315 @ 20 SPM			430 @ 12 SPM	664 @ 40, 1,151 @ 20		575 @ 40, 974 @ 20		509 @ 40, 995 @ 20		
Medium Energy		kj	88 @ 20 SPM	88 @ 20 SPM	122 @ 12 SPM	N/A							
		in-U.S. ton	390 @ 20 SPM	390 @ 20 SPM	540 @ 12 SPM								
High Energy		kj	115 @ 20 SPM	150 @ 20 SPM	203 @ 12 SPM	N/A							
		in-U.S. ton	508 @ 20 SPM	660 @ 20 SPM	900 @ 12 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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		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	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	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.

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-12500 MODELS (MECHANICAL)		DSF-M2-12500 MODELS (SERVO)							
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Double Reduction	SERVO Single Reduction		SERVO Double Reduction				
Capacity	kN	12,500		12,500							
	U.S. ton	1,375		1,375							
Full Stroke Length	mm	400	400, 500 or 600	400		400	500	600			
	in.	15.7	15.7, 19.7 or 23.6	15.7		15.7	19.7	23.6			
Rating Point	mm / SPM	6.4	12.7	6.0 @ 40	5.1 @ 45	12.7 @ 28	11.0 @ 30	12.7 @ 24	8.5 @ 30	11.6 @ 22	7.0 @ 30
	in. / SPM	0.25	0.50	0.24 @ 40	0.20 @ 45	0.50 @ 28	0.43 @ 30	0.50 @ 24	0.33 @ 30	0.46 @ 22	0.28 @ 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	4250 x 1800 or 4850 x 1800 or 6100 x 1800	4850 x 1800 or 6100 x 1800	4250 x 1800 or 4850 x 1800 or 6100 x 1800		4850 x 1800 or 6100 x 1800					
	in.	167.3 x 70.9 or 190.9 x 70.9 or 240.2 x 70.9	190.9 x 70.9 or 240.2 x 70.9	167.3 x 70.9 or 190.9 x 70.9 or 240.2 x 70.9		190.9 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	2200		2200							
	in.	86.6		86.6							
Press Overall Height	mm	10500	10700	10500		10700					
	in.	413	421	413		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		1000 / 1350						
	High Energy		150 / 200		N/A						
Main Circuit Breaker(s), Avg. Full Load Amps	Standard	A; FLA	250 A; 200 A FLA		2 Circuit Breakers: 600 A each; Avg. FLA: 880 A						
	High Energy		350 A; 280 A FLA								
Strokes per minute											
Full Stroke	SPM	20 to 45	15 to 30	1 to 45		1 to 30					
Pendulum Stroke, 200 mm	SPM	N/A		1 to 46*		1 to 35*					
Pendulum Stroke, 150 mm	SPM	N/A		1 to 50*		1 to 40*					
Pendulum Stroke, 100 mm	SPM	N/A		1 to 53*		1 to 45*					
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	102 @ 20 SPM	183 @ 15 SPM	227 @ 45 SPM, 409 @ 15 SPM		220 @ 30 SPM, 360 @ 15 SPM					
	in-U.S. ton	450 @ 20 SPM	810 @ 15 SPM	1035 @ 45 SPM, 1809 @ 15 SPM		973 @ 30 SPM, 1593 @ 15 SPM					
High Energy	kJ	137 @ 20 SPM	250 @ 15 SPM	N/A							
	in-U.S. ton	606 @ 20 SPM	1100 @ 15 SPM								

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