

Stationary Spot Welder

MFDC NDZ Series



Basic specification list

		Model		
Model common specification	UL/CSA Spec.	NDZ-E70-41B*U-T*	NDZ-E70-41E*U-T*	NDZ-E70-41K*U-T*
	Primary voltage	V	460	
	Rated frequency	Hz	60	
	Rated capacity	kVA	70	
	Maximum input	kVA	188	173
	Max. short circuit current	A	25000	23000
	Allowable duty cycle	%	6.9	8.1
	Throat depth	mm [in]	400 [15.7]	
	Throat gap	mm [in]	200 [7.9]	
	Max. electrode force (at 0.5MPa)	kN [lbs]	10 [2200]	
	Total stroke	mm [in]	60 [2.4]	140 [5.5]
	Retracting stroke	mm [in]	75 [3]	155 [6.1]
	Working stroke	mm [in]	20 [0.8]	—
	Standard working height	mm [in]	900 [35.4]	
	Horn diameter	mm [in]	70 [2.8]	
	Electrode holder diameter	mm [in]	32 [1.3]	
	Tip diameter	mm [in]	16 [0.6]	
	Electrode taper		MT#2	
	Required water flow rate.	l/min	10 (Welder), 5 (Weld control)	
	Timer/Contactor		RWI-890-WS40-D-C	
	Program box		PB-900-21	
	Current feedback		Primary current feedback by CT	
	Approx.mass	kg [lbs]	295 [650]	310 [683]
	Model		Spot / Nut / Bolt	328 [723]

Note) 35kVA and 50kVA are also available

■ Specification according to the model

Equipment	Model	S	N	B
Upper holder		○	○	○
Electrode		●	●	●
Step down transformer			○	○
Feeder interface			○	○
Standard lower holder		○	○	
Lower holder for bolt				●

Note) ○ Standard equipment ● Optional equipment

■ Select optional items

	Name	Remark
1	Ball type flow indicator at sight glass outlet side	Confirmation of cooling water flow
2	Platen	More accurate projection welding or mount support jig
3	Start switch and feeder connector	Choose Harting or Nanaboshi connector
4	Upper and Lower electrode	
5	Start switch	Choose foot switch or dual palm button
6	Program box, Monitor box	Choose program box or monitor box
7	Programming cable length	Choose 3m, 5m, 10m
8	Transmitter	Available to change welding condition by PC, easy to manage weld history
9	Feeder assembly	Purchase our feeder, available for setup and delivery

■ Model (sample)

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩					
Model	NDZ	—	E7	0	—	4	1	B	S	U	—	T	—	※
	E3	5				4	6	B	S	U		T		D
	E5	0					7	E	N					
	E7						1	K	B					

①	Series name	NDZ	NDZ Series
②	Transformer rated capacity	E3	MFDC 35kVA (1000Hz)
		E5	MFDC 50kVA (1000Hz)
		E7	MFDC 70kVA (1000Hz)
③	Customer spec. 1	5	35kVA std.
	Identification of customer.	0	50,70kVA std.
④	Throat depth	4	400mm
⑤	Electrode force	6	6kN (Horn φ60, Electrode holder φ25, Electrode φ16)
		7	6kN (Horn φ70, Electrode holder φ32, Electrode φ16)
		1	10kN (Horn φ70, Electrode holder φ32, Electrode φ20)
⑥	Pressure unit	B	Stroke 75mm Double stroke
		E	Stroke 115mm Single stroke
		K	Stroke 155mm Single stroke
⑦	Model	S	Spot
		N	Nut
		B	Bolt
⑧	Specification	U	North America
⑨	Power source	T	φ3 460V±10%
⑩	Revision	※	D,E,F · · ·

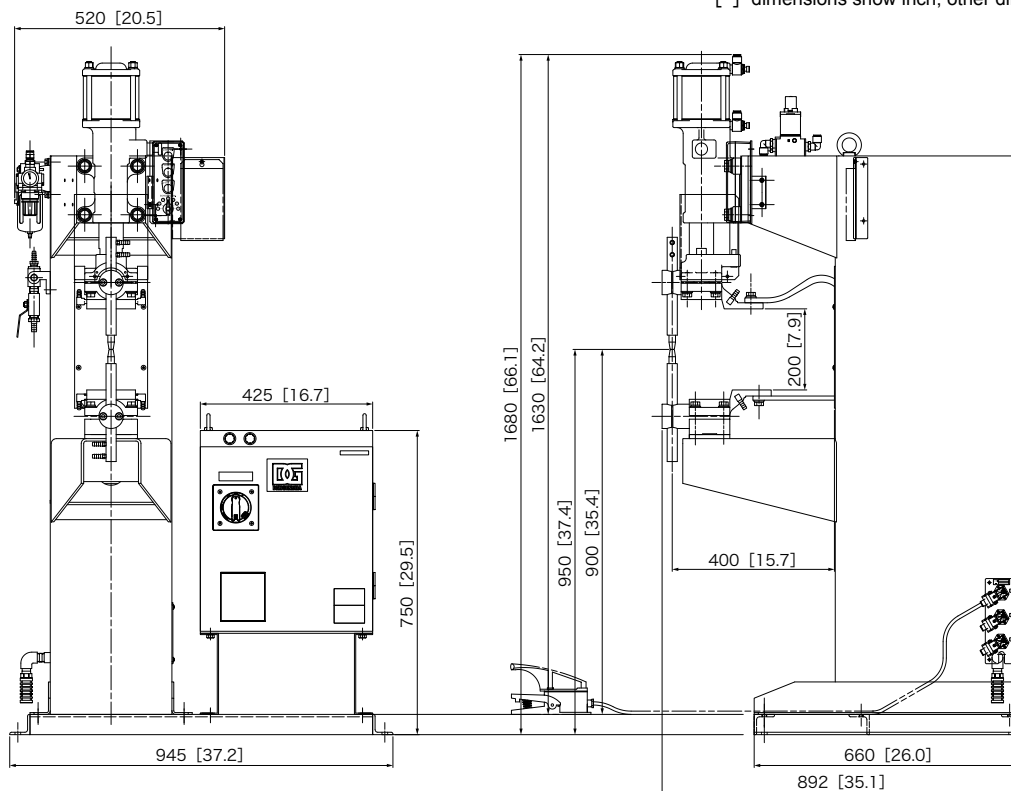


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Throat 400 Model

NDZ - E35 · E50 · E70 - 41BSU - T - D

[] dimensions show inch, other dimension show mm.



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Specifications of product and the appearance have a case to change without notice. No.211NZ05② 1708 500