

# Stationary Spot Welder MFDC NDZ Series



## Basic specification list

		Model			
		NDZ-E70-41B*U-T*	NDZ-E70-41E*U-T*	NDZ-E70-41K*U-T*	
Model common specification	UL/CSA Spec.				
	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]	100 [3.9]	140 [5.5]
	Retracting stroke	mm [in]	75 [3]	115 [4.5]	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]	328 [723]	
Model		Spot / Nut / Bolt			

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

No.	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							

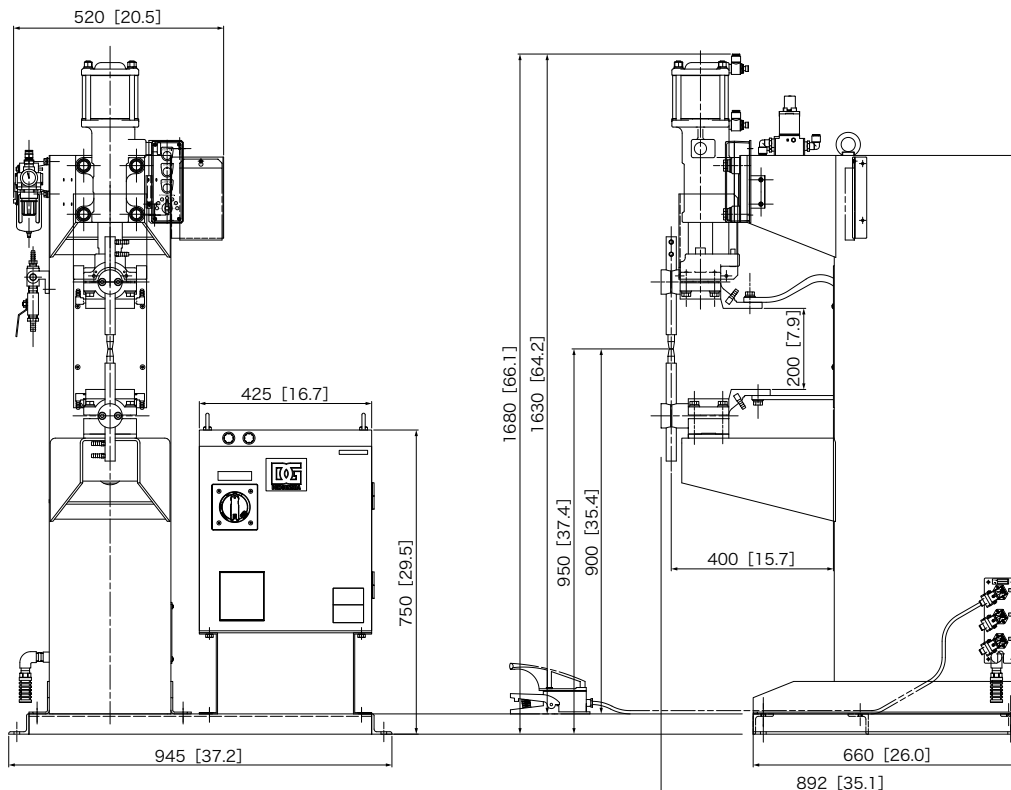
①	Series name	NDZ	NDZ Series
②	Transformer rated capacity	E3	MFDC 35kVA (1000Hz)
		E5	MFDC 50kVA (1000Hz)
		E7	MFDC 70kVA (1000Hz)
③	Customer spec. 1 Identification of customer.	5	35kVA std.
		0	50,70kVA std.
④	Throat depth	4	400mm
⑤	Electrode force	6	6kN (Horn φ60, Electrode holder φ25, Electrode φ16)
		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 . . .

Note) ※Double stroke of 115mm and 155mm series is only for robot model

## Throat 000 Model

NDZ - 000 · 000 · 000 - 0000 - 0 - 0

[ ] dimensions show inch, other dimension show mm.



1-23-1 Masugata, Tama-ku, Kawasaki-shi, Kanagawa-ken, Japan 214-8588  
 TEL. +81-44-922-1121 FAX. +81-44-922-1100 <http://dengensha.co.jp>