

# Nelweld Model 6000

Stud Range: 3/16" to 1" (5mm–25mm)\*

## Specifications

Transformer Rating	7600 amps
Input voltage	230/460/575 VAC–60 Hz 208/230/460 VAC–60 Hz 400 VAC–50/60 Hz <b>CE</b> 220/380/415/440 VAC–50/60 Hz
Fusing	200A@208VAC 200A@230VAC 100A@460VAC 100A@575VAC 400V – Check local standards
Timing Control	20-2500 milliseconds, stepless
Regulated Output	300-2500 amps, regulated
Case Dimensions	28"(710) W x 31"(786) H 35.5"(900) D
Weight	1050 lbs. (480 Kg)

## Duty Cycle\*

Rated @ continuous operation

1" (25mm)	10 per minute
7/8" (22mm)	13 per minute
3/4" (19mm)	20 per minute
5/8" (16mm)	25 per minute
1/2" (13mm)	30 per minute
3/8" (10mm)	unlimited
5/16" (8mm)	unlimited
1/4" (6mm)	unlimited
3/16" (5mm)	unlimited



## Single Gun System Configuration

Item Description	Part Number
1A Power/Control Unit 230/460/575 VAC 60 Hz	750-600-000
1B Power/Control Unit 208/230/460 VAC 60 Hz	750-600-001
1C Power/Control Unit 400 VAC <b>CE</b> 50/60 Hz	750-600-050
1D Power/Control Unit 220/380/415/440 VAC 50/60 Hz	750-600-051
2 NS 20N Welding Gun	751-693-000
3 #4/0-25 ft. Ground Cable & Clamp	720-542-000
4 #4/0-25 ft. Combination Cable	722-000-123

## Dual Gun System Configuration

Item Description	Part Number
1A Power/Control Unit 230/460/575 VAC 60 Hz	750-600-500
1B Power/Control Unit 208/230/460 VAC 60 Hz	750-600-501
1C Power/Control Unit 400 VAC <b>CE</b> 50/60 Hz	750-600-550
1D Power/Control Unit 220/380/415/440 VAC 50/60 Hz	750-600-551
2 NS 20N Welding Gun (2)	751-693-000
3 #4/0-25 ft. Ground Cable & Clamp (2)	720-542-000
4 #4/0-25 ft. Combination Cable (2)	722-000-123

\*400V CE Units: Reduce by 50%

## Standard Guns



### NS 40N

Standard Duty Drawn Arc—  
NS 40N, two wire, 751-692-000

Gun Capacity	5/8" (16mm)
Length	7-1/2" (190mm)
Weight w/o cables	3 lbs. 1 oz.(1.4kg)
Weight w/working weight of cable	4 lbs. 10 oz.(2.1kg)

**Optional kits recommended for studs 3/8" diameter or larger**  
Steel Tranquil-arc Kit— P/N 512-241-000  
Aluminum Tranquil-arc Kit – P/N 512-241-100



### NS 40SCN

Short Cycle—  
NS 40SCN, two wire, 751-695-000

Gun Capacity	3/8" (10mm)
Length	7-1/2" (190mm)
Weight w/o cables	3 lbs. 8 oz.(1.6kg)
Weight w/working weight of cable	5 lbs. 4 oz.(2.4kg)



### NS 20N HD

Heavy Duty—  
NS 20N HD, two wire, 751-693-000

Gun Capacity	1" (25mm)
Length	13" (330mm)
Weight w/o cables	7 lbs. 6 oz (3.4kg)
Weight w/working weight of cable	10 lbs.8 oz.(4.7kg)