

# Semi-Automatic Gas Shielded Metal-Arc Welding Machine

NB-series products are semi-automatic gas shielded metal-arc welding machines with IGBT inverter technology, which consist of power source and wire feeder. The machine has the characteristics of stable welding process, low spatter and good weld. The molten pool is easy to be controlled, operation is simple to be done, and efficiency is high.

NB-series products are semi-automatic gas shielded metal-arc welding machines with IGBT inverter technology, which consist of power source and wire feeder. The machine has the characteristics of stable welding process, low spatter and good weld. The molten pool is easy to be controlled, operation is simple to be done, and efficiency is high.

## Main Function

- Sort-start ignition
- Adjustable: arc force, crater current, crater voltage, welding current and welding voltage
- 2/4 step welding modes switch
- Welding wires dia. selection
- Welding voltage and welding current can be preset and displayed digitally
- Protective functions: overheat, over-current, under-voltage and power phase absence, etc

A150-200Y



A150-250Y

## Technical Specifications

Model	NB-200 ( A150-200Y )	NB-250 ( A150-250Y )
Rated input voltage	220V $\pm$ 15% 50-60Hz	3-380V $\pm$ 15% 50-60Hz
Rated input current ( A )	29	14
Rated input power ( KW )	4.3	6.6
Voltage adjusting range ( V )	15 - 26	15 - 29
No-load voltage ( V )	50	50
Current adjusting range ( A )	50 - 200	50 - 250
Wire feed rate range ( m/min )	15 - 16	18 - 20
Suitable welding wire Dia. ( mm )	$\Phi$ 0.8/ $\Phi$ 1.0 ( steel )	$\Phi$ 0.8/ $\Phi$ 1.0 ( steel )
Suitable welding wire type	solid	solid
Duty cycle	60%	60%
Efficiency ( $\eta$ )	90%	90%
Power factor ( $\cos \Phi$ )	0.93	0.93
Insulation grade	F	F
Case protection grade	IP21S	IP21S
Dimensions ( mm )	500 x 273 x 500	500 x 273 x 500
Power source net weight ( Kg )	24	27
Wire feeder net weight ( Kg )	-	-
Description	The wire feeder is built-in	The wire feeder is built-in

# Semi-Automatic Gas Shielded Metal-Arc Welding Machine

NB-series products are semi-automatic gas shielded metal-arc welding machines with IGBT inverter technology, which consist of power source and wire feeder. The machine has the characteristics of stable welding process, low spatter and good weld. The molten pool is easy to be controlled, operation is simple to be done, and efficiency is high.

## Main Functions

- Sort-start ignition
- Adjustable: arc force, crater current, crater voltage, welding current and welding voltage
- 2/4 step welding modes switch
- Welding wires dia. selection
- Welding voltage and welding current can be preset and displayed digitally
- Protective functions: overheat, over-current, under-voltage and power phase absence, etc

## Technical Specifications



Model	NB-350 ( A160-350 )	NB-500 ( A 160-500 )	NB-500 ( A 150-500 )
Rated input voltage	3-380V $\pm$ 10% 50-60Hz		
Rated input current ( A )	22	34	37
Rated input power ( KW )	14.5	23	23
Voltage adjusting range ( V )	15 - 40	15 - 45	15 - 45
No-load voltage ( V )	66 $\pm$ 5	76 $\pm$ 5	64
Current adjusting range ( A )	20 - 350	20 - 500	20 - 500
Wire feed rate range ( m/min )	2 - 18	2 - 20	2 - 25
Suitable welding wire Dia. ( mm )	0.8/ 1.0/ 1.2 ( steel )	1.0/ 1.2/ 1.6 ( steel )	0.8/1.0 ( steel )
Suitable welding wire type	solid / flux-cored	solid / flux-cored	solid
Duty cycle	60%	60%	60%
Efficiency ( $\eta$ )	90%	90%	90%
Power factor ( $\cos \Phi$ )	0.93	0.93	0.93
Insulation grade	F	F	F
Case protection grade	IP23S	IP23S	IP23S
Dimensions ( mm )	560 x 300 x 530	660 x 300 x 530	700 x 360 x 700
Power source net weight ( Kg )	40	49	61
Wire feeder net weight ( Kg )	9	9	9
Description	The cable can be lengthened to 50m/50mm <sup>2</sup> . Plastic case.	The cable can be lengthened to 50m/50mm <sup>2</sup> . Plastic case.	The cable can be lengthened to 50m/50mm <sup>2</sup> .