

# Smootharc Advance III BEAST 555R



The *BOC Smootharc Advance III BEAST 555R* is the “beast” in our workhorse range offering 40% @ 555 duty cycle which makes it ideal for heavy-duty engineering work.

A simple-to-use three-phase MIG welder with MMA and Lift Arc TIG capability. It is also capable of arc air gouging up to an 8 mm gouging carbon. This machine is reliable and built for tough conditions.

The *BOC Smootharc Advance III BEAST 555R* features full digital control with LCD screen design that clearly shows where you’re at with your parameters. For convenience, save specific weld settings and retrieve them when required in the JOBS function — a real time saver.

This machine comes standard as a gas-cooled welding package with fan and a Binzel ABIMIG AT 455 MIG torch - 4m. It can easily be upgraded to a water-cooled model (upgrade kit purchased separately) to allow for even longer welding and increased productivity. Keep your cables safe and tidy off the ground with convenient cable hooks. The side tray on the power source and a torch holder on the wire feeder ensure your tools are within easy reach and your torch can be safely stowed.

The *BOC Smootharc Advance III MIG 555R BEAST* complies to AS/NZS 60974-1 and IEC/EN 60974-10 and is backed by a five-year conditional warranty.



**Specifications** The Smootharc Advance II BEAST 555R complies to AS/NZS 60974-1 and IEC/EN 60974-10 and is backed by a five-year conditional warranty.

Part No.	ADVANCEIII555R								
Main Voltage	Single Phase AC420V±15%								
Frequency	50/60Hz								
	MIG			TIG			MMA		
Maximum rated input current ( $I_{1max}$ ) (A)	37.6			31			38.1		
Open Circuit Voltage ( $U_0$ )(V)	88			88			88		
No-load Voltage ( $U_r$ )(V)	—			19			19		
Duty Cycle (%)	40%	60%	100%	40%	60%	100%	40%	60%	100%
( $I_1$ ) (A)	555	450	350	555	450	350	555	450	350
( $U_2$ ) (V)	41.8	36.5	31.5	32.2	28	24	42.2	38	34
Output Current Range (A)	53-555			20-555			20-555		
Output Voltage Range (V)	16.7-41.8			10.8-32.2			20.8-42.2		
Wire Feeder Type	Remote								
Wire Speed (m/min)	1.5-24								
Wire diameter (mm)	0.8/0.9/1.0/1.2/1.6								
Suitable thickness (mm)	≥ 0.8								
Efficiency (%)	88%								
Power Factor	0.90								
Min. recommended generator rating	19 kVA								
EMC Class	A								
Protection Classification	IP23								
Insulation Class	F								
Cooling Mode	Air cool/Water cool								
Weight (kg)	66 kg <sup>C</sup>								
Overall dimensions (L×W×H)	1010 × 509 × 897 mm <sup>C</sup>								
Standards	AS 60974-1, IEC 60974-10								
	<i>C = With trolley and tool box</i>								

### Applications

- Heavy duty engineering workshop
- Maintenance workshops
- Earth moving equipment repairs and maintenance
- Automotive assembly and repairs
- Assembly work
- Container constructions and repairs

### Package includes

- Power source with 32A input cable
- Binzel ABIMIG AT455 MIG torch – 4m
- Work return lead – 500A
- Electrode holder with cable – 500A
- BOC regulator
- Wire feed rollers - Knurled 1.0-1.2/1.2-1.6
  - U Groove 1.0-1.2/1.2-1.6
  - V Groove 0.9-1.0/1.0-1.2/1.2-1.6
- Interconnection cable 10m (air cooled)
- Cable hook (x2)
- Belt (cylinder restraint)

### Optional extra

Water Cooling Unit Upgrade Kit (purchased separately). Part No. ADVANCEIII555RCK  
TIG torch 4m (purchased separately). Part No. MMA-TIG

### Service and warranty

Five-year conditional warranty covers parts and labour. Excludes torches and consumable items. Warranty will not apply if operating and service instructions are not followed or the product shows evidence of tampering.



BOC Limited

ABN 95 000 029 729, 10 Julius Avenue, North Ryde NSW 2113, Australia, 131 262, boc.com.au

NZBN 94 90 4095 3946, 970-988 Great South Road, Penrose, Auckland, New Zealand, 0800 111 333, boc.co.nz