Master 315 GM

OVERVIEW

300 A stick welding power source suitable for generator and multi-voltage use. Equipped as standard with a full-color 7-inch TFT display. When connected to a Flexlite TX 223GVD13 torch, Master 315 provides an excellent power source for quality DC TIG welding.

TECHNICAL SPECIFICATIONS

Master 315 GM

Product code	M315GM
Connection voltage 3~ 50/60 Hz	220…230 V ±10 % 380…460 V ±10 %
Fuse	16A-C
Stick electrode sizes	1.6…7.0 mm
Welding range (TIG)	3…300 A (400 V) 3…260 A (220 V)
Power factor at 100 % ED	0.89 (400 V) 0.95 (220 V)
Max. welding voltage	38...60 Vdc
Recommended generator power (min)	20 kVA
Open circuit voltage (average)	50 V
Operating temperature range	-20…+40 °C
External dimensions LxWxH	544 x 205 x 443 mm
Weight (no accessories)	22.6 kg
Degree of protection	IP23S
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1
EMC class	A
Rated maximum output at 40 °C (40 % TIG)	280 A / 21.2 V (400 V) 260 A / 20.4 V (220 V)

Master 315 GM / Technical specifications

Master 315 GM

Rated maximum output at 40 °C (60 % TIG)	260 A / 20.4 V (400 V) 230 A / 19.2 V (220 V)
Rated maximum output at 40 °C (100 % TIG)	220 A / 18.8V (400 V) 175 A / 17.0 V (220 V)
Rated maximum output at 40 °C (30 % MMA)	300 A / 32.0 V (400 V) 260 A / 30.4 V (220 V)
Rated maximum output at 40 °C (40 % MMA)	280 A / 31.2 V (400 V) 260 A / 30.4 V (220 V)
Rated maximum output at 40 °C (60 % MMA)	260 A / 30.4 V (400 V) 230 A / 29.2 V (220 V)
Rated maximum output at 40 °C (100 % MMA)	220 A / 28.8 V (400 V) 175 A / 27.0 V (220 V)
Efficiency at 100 % ED	0,87 (400 V) 0,85 (220 V)

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