

ACROBAT™ 180

Fusion Capability for 63mm to 180mm (2" IPS - 6" DIPS) Pipe



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OVERVIEW

The **Acrobat™ 180** is a versatile machine designed for butt fusion of 63mm to 180mm (2" IPS to 6" DIPS) pipe and fittings. The machine offers consistent butt fusion joints — providing a cost-effective alternative to electro-fusion — in an economical, reliable package.

The Acrobat is ideal for in-ditch work. It will convert from 4 to 3 jaws to create a more compact unit and will go even smaller by removing the base plate so that it fuses more easily in confined areas — reducing excavation time.

The fusion carriage is powered by a robust Hydraulic Power Unit (HPU) that is also lightweight and easily portable for quick jobsite setup. This HPU allows the operator to pre-set the facing, heating and fusing pressures individually without having to make adjustments between operations which greatly streamlines the fusion process.

FEATURES

- Small footprint, lightweight
- Toolless conversion of carriage from 4- to 3-jaws for tight work spaces
- Narrow jaws allow fusions for most fittings and flanges
- Hard-anodized aluminum wear surfaces for corrosion resistance
- DataLogger® compatible
- Easy, quick connections to HPU without tools
- Industry-leading 5-Year Warranty
- Single insert design
- Removable upper jaws
- Open-frame HPU design offers easy access for maintenance

SPECIFICATIONS

CAPACITY

Fuses Pipe Sizes:.....63mm – 180mm (2" IPS – 6" DIPS)

MODEL

CARRIAGE FORCE	VOLTAGE	HYDRAULIC POWER UNIT	PART NUMBER
Low	120V	Acrobat HPU	A714801
	220-240V		A714802
	120V	DynaMc EP HPU	A714803
	220-240V		A714804

POWER REQUIREMENTS

	120V	240V
Heater	1.2 kW	0.6 kW
Acrobat HPU	.3 HP, 5.9 Amp	.3 HP, 2.4 Amp
DynaMc HPU	2.2 HP, 14 Amp	2.2 HP, 7 Amp

PLUG TYPE

120V:Nema 5-15

240V:CEE 7/7

WEIGHT

4-Jaw Carriage:.....40 lbs. (18.1 Kg)

3-Jaw Carriage:.....29 lbs. (13.2 Kg)

Facer:.....35 lbs. (15.9 Kg)

Heater:.....14 lbs. (6.4 Kg)

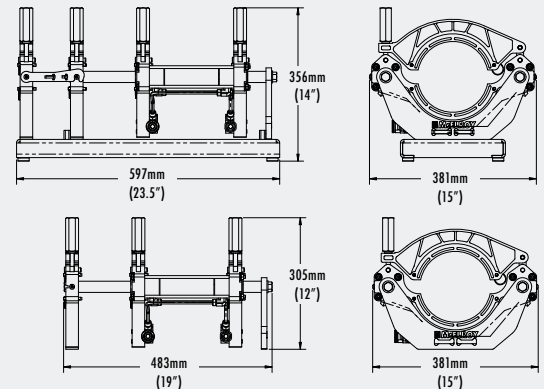
Acrobat HPU:.....56 lbs. (25.4 Kg)

DynaMc HPU:.....115 lbs. (52.1 Kg)

MAXIMUM GAUGE PRESSURE

Acrobat HPU:.....800 PSI (55.2 BAR)

DynaMc HPU:.....1,500 PSI (103.4 BAR)



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INCLUSIONS

Acrobat 180 package includes fusion machine, facer, heater, insulated heater stand, facer stand, HPU and shipping container. Specifications are subject to change without notice.