

# AMERARC™ I-420VP WELDING MACHINE



## DESCRIPTION

AMERARC I-420VP is a 3-phase 380-440V welding inverter with a max welding amperage of 400Amps. It weighs only 20Kg, making it a portable machine that is able to weld up to electrodes size of 6.0mm. With a built-in voltage reduction device, reducing open circuit voltage (OCV) to 12V DC. The AMERARC I-420VP comes with a unique preset value for best welding performance of MMA (Basic Electrode), MMA (Cellulosic Electrode), MMA (Stainless Steel Electrode) and TIG welding. Its unique VP (Voltage Protection) function effectively prevents damage due to unstable voltage or missing phase.



AMERARC™ I-420VP Welding Machine (PCN 0716037)

## FEATURES

- Connection to any primary voltage between 380V and 440V
- Voltage reduction device (VRD)
- Shock proof plastic front panel
- Arc force function
- Hot start function
- Built-in electrode anti-sticking function
- TIG lift welding mode
- Thermal overload protection
- Tunnel ventilation cooling design

## BENEFITS

- Automatic compensation for main voltage fluctuation within +/- 10%
- Low open circuit voltage 12V
- Controls protected against accidental impact
- Adjustable to improve ignition with particular difficult electrodes
- Reduce the chance of electrodes sticking onto work piece
- Ignition comes quickly and reduces incisions on the work piece
- Mitigates machine damage due to exceeding duty cycle or airflow blockage
- Isolates sensitive components against dust and dirt pick up, eliminates the risk of a short circuit

## PRODUCT DESCRIPTION

Amerarc I-420VP Welding Machine comes with

- 4m power cable 2.5mm<sup>2</sup>
- Electrode holder with 4m cable 70mm<sup>2</sup>
- Return clamp with 3m cable 70mm<sup>2</sup>
- User manual

## PCN

0716037



Contact your Drew Marine representative for more information

## TECHNICAL INFORMATION

		TIG	MMA
Single-phase input 50/60Hz	V	380-440V ±10%	
Delayed fuse	A	16	
Maximum power	kVA	17.3	
Process power	A	5 - 420	5 - 400
Duty cycle @ 100% (40°C)	A	270	250
Duty cycle @ 60% (40°C)	A	340	310
Duty cycle @ 20% (40°C)	A	420	400
Power factor		0.95	0.99
Open circuit voltage	V	≤12	
Usable electrodes size	mm	1.6 – 6.0	
Standards		IEC 60974-1 IEC 60974-10 CE S	
Protection class		IP 23 S	
Insulation class		H	
Dimensions L x W x H	mm	500x425x220	
Weight	Kg	20	



## ACCESSORIES

## PCN

### STICK Welding Accessories

Autodarkening Faceshield	0617011
Faceshield with Headband	0615015
Faceshield with Handle	9089013
Welding Glove	0616013
Welding Apron	0618019
Wire Brush	0626012
Wire Brush, Stainless Steel	0812017
Chipping Hammer	0627010

### TIG Welding Accessories

TIG Torch 200A with 7.6m cable and Dix 70 connector	0515017
TIG Accessories Kit	0521014
TIG Glove	0813015
Argon regulator with flow meter	9079014
Tungsten electrode 1.6mm	0524034
Tungsten electrode 2.4mm	0524042

### Shielding Gas

Argon 10L	0726754
Argon 50L	0726010

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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