

MACHINERY

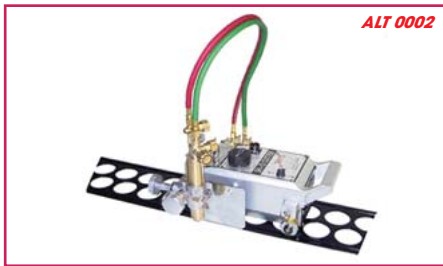


ALT 0001

Welding Machine

The modern moveable core current control. Compact AC ARC WELDER heavy duty core impregnated with high temperature varnish to protect against moisture, dust and thermal overload. Fan assisted cooling for greater reliability in heavy applications. Provision inside case for power factor correction kits if required.

Code	Model	Rated Output Amperes 50% Duty CYCLE	Welding Amperage Range	Maximum Open Circuit Volts	Amperes Input At Rated Load Out 50Hz 440V 230V	Electrode Size	Weight	Dimensions (With Handle) (Inch)		
								H	W	D
1	AC200	200	L 70-190 H 110-220	65V	30 36	2.6mm-5mm	70KG	22 1/2	13	17 3/4
2	AC300	300	L 90-260 H 120-300	70V	35 -	2.6mm-5mm	95KG	24 1/2	15	19
3	AC400	400	L 95-200 H 200-400	70V	45 -	2.6mm-5mm	140KG	26 1/2	16	20 1/2



ALT 0002

Portable Flame Cutting Machine

Motor	AC240V 50Hz, 1,500 rpm
Cutting Speed	150 - 180 mm/min
Reduction Gear	Single cone system
Cutting Thickness	5 - 50 mm
Wheel Distance	160 mm
Machine Size	350 mm x 140 mm x 175 mm
Standard Accessories	Cutting nozzle (ANME) 1/31", 3/61" 1.8 m Steel rail Cable Cord



ALT 0003

Portable Pipe Gas Cutting Machine

Motor	-	
Weight	17kg (37.5lbs)	
Machine Size	285 x 320 x 390mm	
Bevel Angle	0° x 45°	
Pipe Cutting Diameter	Ø 150 - 600mm (Over 600mm by extra chain)	
Standard Accessories	Cutting nozzle (ANME) 1/32", 3/64" & 1/16" Chain	3pcs 1set / 80links

Inverter IGBT DC ARC Welding Machine

HIGHPOD
IGBT TECHNOLOGY



mm	mm	MMA400
1,5 ▸ 3	Ø2,0	100% 30
2,5 ▸ 6	Ø2,5	
5 ▸ 8	Ø3,2	
>8	Ø4,0	
>10	Ø5,0	
>13	Ø6,0	

Feature

- The Inverter IGBT technology, modular control, electrical circuit simple stable, anti-jamming strong and so on characteristics.
- Simple operation and easy control.
- Can use is 50-100 meter of the wire solders carries on the welding project.
- The Special-purpose radiation air flue design, easy to radiate, favors the protection control circuit and the IGBT part, lengthens the welding machine effective duration and the life.
- Is suitable in each kind of diameter 2.0-6.0mm, acidity, the alkalinity, the high-temperature steel and stainless steel welding rod and so on steel.
- Is suitable in stainless steel, the carbon steel, alloy and the cast iron welding.
- Widely applies in the petroleum pipeline, the chemical industry, the automobile, the shipbuilding, the boiler, the electricity constructs, profession and so on nuclear power, astronautics, war industry, industry installment, bridge, building etc. to welding operation.

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Specifications

Code	Model	50/60Hz	AM A	Ø mm	Uo	30% A	X A	60% A	I ₂ A	I _{max} A	IP ₂₁	CM	KG
ALT 0004	MMA 400	3800V 3 ph	25	2,0 ▸ 6,0	65	400	340		10 ▸ 400	400	●	50 x 22.5 x 38	22kg

MACHINERY

Inverter DC ARC Welding Machine



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ARC200	ARC220
100%	100%
30	

- Feature
- Adopt the inverter technology, high efficiency and powerful switch design.
 - Compact, handy and very light weight.
 - Lower welding spatter and perfect arc stability.
 - Air Cooling & overload protection.
 - Can be used with all types of electrodes: rutiles, basic, stainless steel & cast iron.
 - Maintains the service to be easy.
 - Extensively used in the welding and field operation of oil pipeline, chemical, car fabrication, shipyard, boiler, power station construction, nuclear energy, spaceflight, military industry, installation, bridge building industry, etc.

CE Very light weight 93,1kg to 5,0kg



Standard Accessories

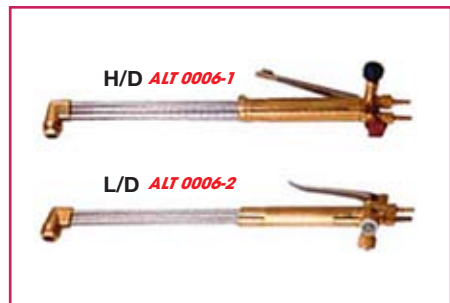
Can use the generator, But must guarantee that generator's output is bigger than INVERTER use power.



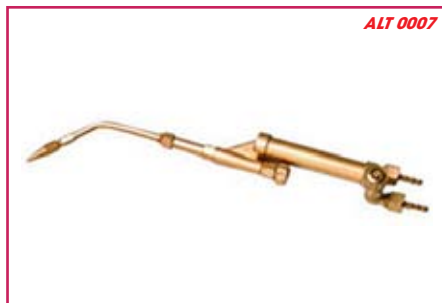
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Code	Model	50/60Hz	AM A	\varnothing mm	U ₀	30% A	X A	60% A	I ₂ A	I _{max} A	IP ₂₁	CM	KG
ALT 0005-1	ARC 200	230V 1~	20	1,6 ▶ 4,0	56	160		130	10 ▶ 160	160	●	12.5 x 26.1 x 18	3,8kg
ALT 0005-2	ARC 220	230V 1~	30	1,6 ▶ 4,0	56	200		175	10 ▶ 200	200	●	14 x 28.6 x 18.5	5,0kg

TOOLS & ACCESSORIES

Torches



Yamato Cutting Torch



FB Yamato Welding Torch ("S" Type) c/w 5 pcs Welding Tips



Tig Torch



Heating Torch

TOOLS & ACCESSORIES

Accessories



Welding Cable

For connections from electrode holder and clamp to arc welder, bus, welding box or transformer.

*Colours available: Black or Orange (100m)

Specification

Code	Nominal Area(mm) ²	AMP	Construction +/- 0.02mm Wire x Number of Wires	Insulation Thickness (mm)	Sheath Thickness	Overall Dia (mm)
1	10	65	320 x 0.20mm	1.00	1.20	7.00
2	13	85	415 x 0.20mm	1.00	1.20	9.00
3	16	150	513 x 0.20mm	1.10	1.10	10.00
4	25	200	795 x 0.20mm	1.10	1.10	12.50
5	35	300	1115 x 0.20mm	1.30	1.30	14.00
6	50	400	1590 x 0.20mm	1.30	1.30	16.00
7	70	500	2230 x 0.20mm	1.50	1.50	19.00
8	95	600	3000 x 0.20 mm	1.80	1.80	21.50
9	120	800	1700 x 0.30mm	2.00	2.00	24.00
10	150	1000	2120 x 0.30mm	2.00	2.00	26.50



Oxygen & Acetylene Regulator



Argon Flowmeter Regulator



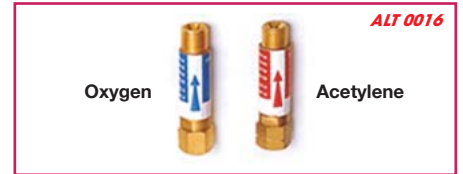
CO₂ Flowmeter Regulator



Electrode Holder 300A (1), 400A (2), 500A (3)



Flash Arrestor For Torch



Flash Arrestor For Regulator



Earth Clamp 300A (1), 400A (2), 500A (3)



Cutting Nozzle



Cutting Nozzle

Code	Tip Size	Cutting Thickness (mm)
1	1 (1/32")	1-5
2	2 (3/64")	5-10
3	3 (1/16")	10-30
4	4 (5/64")	30-60
4	5 (3/32")	60-100
6	6 (1/8")	100-200

code	Tip Size	Cutting Thickness (mm)
1	1 (1/32")	1-5
2	2 (3/64")	5-10
3	3 (1/16")	10-30
4	4 (5/64")	30-60
4	5 (3/32")	60-100
6	6 (1/8")	100-200



Twin Outlet Valve



Cable Connectors Pin Type



Cable Connectors Slot Type



Electrode Dryer 5 kg

Capacity	5 kg
Temperature Range	214°F - 750°F (100°C - 400°C)
Thermostat	Provided
Heating Element	400 watts (Tubular Tube)
Voltage	240V AC/DC

TOOLS & ACCESSORIES

Accessories



ALT 0024

Electrode Dryer 10 kg

Capacity	10 kg
Temperature Range	214°F - 750°F (100°C - 400°C)
Thermostat	Provided
Heating Element	400 watts (Tubular Tube)
Voltage	240V AC/DC



ALT 0025

Temperature Indicator & Rating

Code	°F	°C	Code	°F	°C	Code	°F	°C	Code	°F	°C
	100	38	<i>24</i>	238	114	<i>47</i>	403	212	<i>70</i>	1100	593
<i>2</i>	106	41	<i>25</i>	244	118	<i>48</i>	425	218	<i>71</i>	1150	621
<i>3</i>	109	43	<i>26</i>	250	121	<i>49</i>	438	226	<i>72</i>	1200	649
<i>4</i>	113	45	<i>27</i>	256	124	<i>50</i>	450	232	<i>73</i>	1250	677
<i>5</i>	119	48	<i>28</i>	263	128	<i>51</i>	463	239	<i>74</i>	1300	704
<i>6</i>	125	52	<i>29</i>	269	132	<i>52</i>	475	246	<i>75</i>	1400	760
<i>7</i>	131	55	<i>30</i>	275	135	<i>53</i>	488	253	<i>76</i>	1450	788
<i>8</i>	138	59	<i>31</i>	282	139	<i>54</i>	500	260	<i>77</i>	1500	816
<i>9</i>	144	62	<i>32</i>	288	142	<i>55</i>	525	274	<i>78</i>	1550	843
<i>10</i>	150	66	<i>33</i>	294	146	<i>56</i>	550	288	<i>79</i>	1600	871
<i>11</i>	156	69	<i>34</i>	300	149	<i>57</i>	575	302	<i>80</i>	1650	899
<i>12</i>	163	73	<i>35</i>	306	152	<i>58</i>	600	316	<i>81</i>	1700	927
<i>13</i>	169	76	<i>36</i>	313	156	<i>59</i>	650	343	<i>82</i>	1750	954
<i>14</i>	175	79	<i>37</i>	319	159	<i>60</i>	700	371	<i>83</i>	1800	982
<i>15</i>	182	83	<i>38</i>	325	163	<i>61</i>	750	399	<i>84</i>	1850	1010
<i>16</i>	188	87	<i>39</i>	331	166	<i>62</i>	800	427	<i>85</i>	1900	1038
<i>17</i>	194	90	<i>40</i>	338	170	<i>63</i>	850	454	<i>86</i>	1950	1066
<i>18</i>	200	93	<i>41</i>	344	173	<i>64</i>	900	482	<i>87</i>	2000	1093
<i>19</i>	206	97	<i>42</i>	350	177	<i>65</i>	932	500	<i>88</i>	2100	1149
<i>20</i>	213	101	<i>43</i>	363	184	<i>66</i>	950	510	<i>89</i>	2200	1204
<i>21</i>	219	104	<i>44</i>	375	191	<i>67</i>	1000	538	<i>90</i>	2300	1260
<i>22</i>	225	107	<i>45</i>	388	198	<i>68</i>	1022	550	<i>91</i>	2400	1316
<i>23</i>	231	111	<i>46</i>	400	204	<i>69</i>	1050	566	<i>92</i>	2500	1371



Fiberglass Cloth

ALT 0026

Description	Specification
Cloth Construction	18 x 13 ends/cm
Temperature Exposure	550°C (Continuous Maximum)
Flame Spread	Class I Surface Spread of Flame
Density	880 grams/meter ² of 26 oz/yard
Thickness	1.0 mm
Width	1.0 meter
Weave	Satin
Colour	Golden Brown
Finish	Heat Treated
Length/Roll	50 or 300 meters
WEFT YARN	TEX EC9 33 4 x 2
WARP YARN	TEX EC9 33 4 x 2
Breaking Strength	N / 2.5 cm / 3400 x 2800

TOOLS & ACCESSORIES

Miscellaneous



Welding Electrodes



Alumina Nozzles
Torch: 17V (1), 18 (2), 26 (3), 26V (4)



Cable Lug 300A (1), 400A (2), 500A (3)



Cylinder Key



Collet



Collet Bodies



Nozzle Cleaner



3 Flint Lighter



Spark Gun & Rock Spark Gun



Tungsten Rod

Code	size	Code	size
1	1.6 x 150 mm	3	3.2 x 175 mm
2	2.4 x 150 mm		



3 Flint Lighter



Camping Blow Torch



Welding Head Shield



Head Shield



Welding Hand Shield



Welding Clear Glass



Welding Dark Glass

Code	Shade No.	Code	Shade No.
1	9	4	12
2	10	5	13
3	11		