



ARC SERIES (MOS)

ARC250

3 PHASE



ZX7=ARC



Parameter

Parameter\Model	ARC200	ARC250	ARC300S	ARC300	ARC315	ARC400
Input Voltage(V)	AC220±15%	AC380±15%	AC220±15%	AC380±15%	AC380±15%	AC380±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	43.6	14.4	55.2	21	19.7	27.6
No-load Voltage(V)	58	60	59	60	59	59
Output Current Range(A)	30-200	30-250	30-300	30-300	30-315	40-400
Rated Output Voltage(V)	28	30	32	32	32.6	36
Duty Cycle(%)	60	60	60	60	60	60
No-load Loss(W)	40	60	80	80	80	80
Efficiency(%)	80	85	80	85	85	85
Power Factor	0.73	0.93	0.73	0.93	0.93	0.93
Insulation Grade	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21
Net Weight(kg)	8	17.5	17.5	17.5	19.5	26.5
Dimension(mm)	375x155x232	480x204x303	480x204x303	480x204x303	450x299x232	565x306x432

Product Purchase Guide:

Base Material	Plate Thickness(mm)	Welding rod/carbon Rod Diameter	Current Range(A)	Applicable Model
Carbon steel, Stainless steel, Low-alloy steel	2.0-6.0	2.5/3.2	30-200	ARC200
	2.0-8.0	2.5/3.2	30-250	ARC250
	2.0-10.0	2.5/3.2/4.0	30-300	ARC300S/300
	2.0-12.0	2.5/3.2/4.0/5.0	30-315	ARC315
	2.0-20.0	2.5/3.2/4.0/5.0/6.0	40-400	ARC400

Product Speciality

Raise the frequency from 50/60 HZ to high frequency, e.g. 100K HZ. After reducing the voltage and rectifying, output powerful DC with the technology of PWM. The weight and size of the main transformer decrease dramatically but the efficiency will rise by over 30%.

1. With the function of auto-compensation against power fluctuation. And the output welding current will be stable.
2. Having the function of auto-protection against over-voltage and over-current.
3. Having powerful arc-force.
4. Reliable quality with small dimension and weight as well as high efficiency.
5. Able to weld basic and acid electrodes.
6. Applicable to low carbon steel, medium carbon steel and alloy steel.



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