

7. TECHNICAL DATA

<i>X3 Power Source</i>		<i>400 / 400 AU</i>	<i>500 / 500 AU</i>
Mains connection voltage	3~, 50/60 Hz	380 – 440 V (–10 %...+10 %)	380 – 440 V (–10 %...+10 %)
Mains connection cable	H07RN-F	4 G4	4 G4
Rated power at max. current	60 % ED	17.6 kVA	24.5 kVA
	100 % ED	12.5 kVA	17 kVA
Supply current (maximum)	I_{1max}	27 A	37 A
Supply current (effective)	I_{1eff}	19 A	29 A
Idle power	P_i	< 20 W	< 20 W
Open circuit voltage	U_{av}	52 – 57 V	57 – 62 V
No-load voltage, U_0	U_0	47 – 57 V	51 – 62 V
Fuse		25 A	35 A
Output	60 % ED	400 A / 34 V	500 A / 39.0 V
	100 % ED	310 A / 29 V	390 A / 33.5 V
Welding current and voltage range		25 A/15 V – 400 A/38V	25 A/15 V – 500 A/43 V
Power factor at max current	λ	0.88	0.90
Efficiency at max current	η	89 %	90 %
Operating temperature range		–20...+40 °C	–20...+40 °C
Storage temperature range		–40...+60 °C	–40...+60 °C
EMC class		A	A
Minimum short-circuit power SSC of supply network		4.7 MVA	5.2 MVA
Degree of protection		IP23S	IP23S
External dimensions	L x W x H	629 x 230 x 414 mm	629 x 230 x 414 mm
Weight		32 kg	36 kg
Power supply for auxiliary devices	U_{aux}	110 V/150 W	110 V/150 W
Standards		IEC 60974-1 IEC 60974-10	IEC 60974-1 IEC 60974-10

The equipment complies with the requirements for the CE mark.

<i>X3 Wire Feeder 300</i>		
Operating voltage	U ₁	24 V
Gun connection		Euro
Wire feed mechanism		4-roll
Filler wires	Fe	0.6 – 1.6 mm
	MC/FC	0.8 – 2.0 mm
Wire feed speed		0 – 25 m/min
Wire spool weight (max)		20 kg
Wire spool diameter (max)		300 mm
Operating temperature range		–20...+40 °C
Storage temperature range		–40...+60 °C
Degree of protection		IP23S
External dimensions LxWxH		590 x 240 x 445 mm
Weight		12 kg
Standards		IEC 60974-5 IEC 60974-10

The equipment complies with the requirements for the CE mark.

For connection options of all gun and torch models and corresponding remote controls, refer to Kemppi Userdoc at <https://kemp.cc/connectivity>.