

Powertec® 305S, 365S, 425S, 505S

Powerful potential

With the full range of Powertec® power sources and the LF22M & 24M (Pro) wire feeders, Lincoln is able to offer you unrivalled choice of step voltage MIG machines. With multiple output levels available across the power source range; 2 or 4 roll feeders with or without meters and a variety of interchangeable features, the choice is huge: there are 12 different combinations which give the Powertec® range unparalleled flexibility. Design of the LF22M, 24M and 24M Pro feeders focused on ruggedness, physical dimensions and ease of use. The result is an incredibly rugged casing with the primary controls on the exterior and secondary controls secure within the protective casing close to the wire drive.

Features

- Products developed with a focus on applications.
- Superb Arc behaviour with Argon Mix and 100% CO₂.
- Voltage selectors with multiple steps for precise adjustment.
- Two choke tabs to support superb Arc behaviour
- Fan as needed (F.A.N.™).
- Synergic control to support easy control by the welder with LF24M Pro.
- Bright digital volt and ammeter with LF24M and LF24M Pro.
- Completed with an extensive set of features.
- Large diameter wheels, push/pull bar and lifting eyes.
- Easy to convert to water-cooled by simply adding the Coolarc 25 (except PT 305S).




Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size [A] (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
Powertec® 305S	K14060-1	230/400V/3Ph	30-300	300A/29V@35% 230A/25.5V@60%	32/20	94	770 x 467 x 930	IP23 / H
Powertec® 365S	K14061-1A K14061-2A	230/400V/3Ph 220/380/440/3Ph	30-350	350A/31.5V@40% 285A/28.2V@60%	40/25	141	875 x 700 x 1035	
Powertec® 425S	K14062-1A K14062-2A	230/400V/3Ph 220/380/440/3Ph	30-420	420A/35V@40% 345A/31.5V@60%	50/32	151		
Powertec® 505S	K14063-1A K14063-2A	230/400V/3Ph 220/380/440/3Ph	30-500	500A/39V@40% 400A/34.5V@60%	63/40	157		

Technical Specifications of Wire Feeders

Product	Item Number	Cooling	Input Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
					Solid	Cored		
LF-22M	K14064-1	A	34-44V AC	1-20	0.8-1.6	1.0-1.6	15	440 x 275 x 636
LF-24M	K14065-1W	A/W					17	
LF-24M PRO	K14066-1W						17	



Processes

- MIG
- Flux-cored

Recommended Consumables

- **Steel**
Ultramag®, Supramig®, Supramig Ultra®
- **Flux-cored**
Innershield® NR211-MP, Outershield® MC710-H
- **Stainless steel**
LNM 304L, 316L, 309LSi
- **Aluminium**
SuperGlaze®

Unit Includes

- Undercarriage
- 5 m-input cable
- Work clamp and cable assembly (3m)

Recommended Packages

- LF22M or LF24M or LF24M pro wire feeder
- Powertec® power source on undercarriage, Input cable, Work clamp and cable assembly + COOL ARC® 25 for water cooled version
- 5 m-Interconnection cable, MIG gun and gas regulator

Key Options

- K10347-PG(W)-xM Interconnection cables
- K10429-25-xM MIG gun LGS 250 G – 200A – 3/4/5 m
- K10413-25PHD-xM MIG gun LGP 250 G – 200A – 3/4/5 m
- K10413-25FX-xM MIG gun LG 250 G FX – 200A – 3/4/5 m
- K10429-36-xM MIG gun LGS 360 G – 300A – 3/4/5 m
- K10413-36PHD-xM MIG gun LGP 360 G – 300A – 3/4/5 m
- K10429-505-xM MIG gun LGS 505 W – 450A – 3/4/5 m
- K10413-55PHD-xM MIG gun LGP 550 W – 500A – 3/4/5 m
- K10158-1 Readi-reel mounting stand (15 kg)
- K14071-2 DR system kit (grill)
- K14009-1 CO₂ heater connection kit
- K14037-1 Water cooler COOL ARC® 25
- K10420-1 Coolant Acorox (2x5l)

INPUT  **OUTPUT** 

