

MIG Compact

MIG Compact

Handy Core, Handy MIG Superbly simple, powerfully portable



Powertec® 161C, 191C, 231C, 271C

The Professional's Choice



Powertec® 205C, 255C, 305C

Powerful compact, excellent economics



Powertec® 305C, 355C, 425C PRO Premium arc, synergic style



Powertec® 305S, 365S, 425S, 505S Powerful potential



CV-425, CV-510 High Output. Reliable Workhorses!



Polarity Mode

Output Range

3

MIG Packages

Voltage (V) MIG

Drive rolls nb steps

Warranty (years) WFS (m/min)

Flux Cored OUTPUT **INPUT PROCESS FEATURES MIG Compact Handy Core** CV DC 45-80 230 0 2 1-20 3 2 3 CV DC 45-80 230 1-20 **Handy MIG** 0 CV DC 30-150 230 7 2 1-17 3 0 Powertec® 161C DC 2 1-20 3 Powertec® 191C CV 30-180 230 0 8 CV DC 30-220 230 12 2 1-20 3 Powertec® 231C 0 2 CV DC 30-255 230 12 1-20 3 Powertec® 271C 0 CV DC 25-200 10 1-20 3 0 4 Powertec® 205C 230/400 CV DC 25-250 0 20 4 1-20 3 Powertec® 255C -400 CV DC 30-300 30 2/4 1-20 3 Powertec® 305C 0 4 Powertec® 305C PRO CV DC 30-280 30 1/20 3 0 CV DC 230/400 3 Powertec® 355C PRO 30-350 30 1/20 0 4 Powertec® 425C PRO CV DC 30-420 30 4 1/20 3

MIG Packages											WIRE FEEDERS
Powertec® 305\$	CV	DC	30-300	-	•	0	20	-	-	3	
Powertec® 365S	CV	DC	30-350		•	0	30	-	-	3	LF22-M,
Powertec® 425S	CV	DC	30-420	230/400 -	•	•	30	-	-	3	LF24-M, LF24-M PRO
Powertec® 505S	CV	DC	30-500	220/380/440	•	•	30	-	-	3	
CV425	CV	DC	10-420		•	•	30	-	-	3	LF33S, LF33,
CV510 (1) (1) (1) (1)	CV	DC	10-500		•	•	30	-	-	3	LF34, LF35, LF37, LF38

Excellent Good ▲ Possible

Handy Core, Handy MIG

Superbly simple, powerfully portable

Compact, portable and lightweight wire feed welders plug into a 230V, 16 amps outlet. These machines are ideally suited to the light maintenance and repair such as the small garage works and jobs around the farm. Four voltage settings and continuous wire feed speed adjustment allow to weld light gauge mild steel. Easy to get started, since practically everything you will need to weld is included – gun and cable assembly, work cable & clamp, spool of cored wire (+ solid wire with Handy MIG), contact tips and hand shield with filter plate and lens. Also a chipping hammer/brush, so you can use your Handy CORE and Handy MIG to weld straight away.

Features

- · Suitable for the welding of most thin sheet steel applications.
- · Connects to 230V, 16 amps outlet.
- · Safe operation no electrical current until trigger is pressed.
- · Compact, portable, lightweight and easy to use.
- · Ideal for general light maintenance projects.
- · Continuous wire feed speed adjustment and four selectable voltage steps for precise control.
- · Fan-cooled or expectancy.
- Supplied ready to weld.

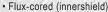
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Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class
Handy MIG	K14000-1	230V/1Ph	45-80	70A/17.5V@20%	16	18	345 x 220 x 455	ID24 / LI
Handy CORE	K14001-1	2307/1711	45-60		10	10	343 X 220 X 433	IFZI/П

Processes

· MIG





Recommended Consumables

• Steel

Ultramag®

• Flux Cored Innershield® NR211-MP

Unit Includes

- · Input cable
- · MIG gun
- · Drive rolls
- 0,5 kg Innershield wire (Handy core)
- 0,5 kg solid wire (Handy MIG)
- Kit of welding accessories

Key Options

- B10241-2 MIG gun (Handy Core)
- B10241-1 MIG gun (Handy MIG)

INPUT







Powertec® 161C, 191C, 231C, 271C

The Professional's Choice

The Powertec® 161C, 191C, 231C and 271C are all designed to provide a range of machines with a variety of welding outputs suitable for operating from a single-phase mains supply. The Powertec® range begins with the 161C, which is ideal for the welding of thin sheet metal applications, repair and maintenance works. This machine has excellent arc and starting characteristics, allowing you to complete your welding project efficiently, quickly and professionally with minimal spatter levels.

It is a perfect tool for small workshop, car body repair or for the farm. The Powertec® 191C and 231C have the power required for light construction applications, yet still offer the flexibility to weld thin material like the Powertec® 161C. The Powertec® 271C truly is the multipurpose model in this range, ideal for both welding thin material and also light to medium construction work.

Features

- Superior arc behaviour with premium starting performance and arc stability.
- Excellent control, with Burnback control, Spot welding function, 2/4 stroke feature (except PT161C) and additional voltage settings.
- · Optional volt and ammeter (except PT161C).
- · Easy to change polarity.
- · Professional wire feeding system.
- · Equipped with Euro connector and ground cable assembly.
- Meets IEC974-1, -10, ROHS and CE standards for safety and reliability.



Technical Specifications

P	roduct	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class
P	owertec® 161C	K14040-2		30-150	150A/21,5V/20%	16	53	615 x 390 x 825	
P	owertec® 191C	K14045-1	230V/1Ph	30-180	180A/23,0V/20%	20	70		IP23 / H
P	owertec® 231C	K14046-1	2307/1711	30-220	220A/25,0V/20%	25	80	765 x 427 x 850	IF23 / FI
P	owertec® 271C	K14047-1		30-255	255A/26,8V/20%	32	83		

^{* &}quot;- 2" include A/V meter installed

Processes

- MIG
- Flux-cored

Recommended Consumables

· Steel

Ultramag®, Supramig®, Supramig Ultra®

 Flux-cored Innershield® NR211-MPi

Unit Includes

• 3 m input cable and 3 m ground cable

Key Options

- K10413-15-x MIG gun LG 150 G -150A - 3/4/5 m
- K10413-25-xM MIG gun LG 250 G 200A 3/4/5 m
- K10413-24-xM MIG gun LG 240 G 220A 3/4/5 m
- K10413-26-xM MIG gun LG 260 G 260A 3/4/5 m
- KP14016-x Drive roll kit range (2R)
- K10158-1 Readi-reel mounting stand (15 kg)
- K14044-1 Meter V/A kit (except PT161C)
- K14048-1 CO₂ heater connection kit (except PT161C)











Powertec® 205C, 255C, 305C

Powerful compact, excellent economics

The design of the Powertec® 205C, 255C and 305C was driven by the need to provide our customers with a range of machines offering a variety of welding outputs. The range begins with the 205C, which is an ideal machine for welding of thin sheet metal applications. With excellent arc and starting characteristics this machine allows welding projects to be completed efficiently, quickly and professionally with minimal spatter levels. The Powertec® 255C is a more powerful version, still capable of welding thin material but with the extra power required for light fabrication work. The Powertec® 305C truly is a multi-purpose model, ideal for both thin sheet applications and light to medium fabrication work. The Powertec® 305C will operate in either Short Arc welding or Full Spray modes with a 1.0 mm wire.

Features

- · Products developed with a focus on applications.
- · Excellent starting performance (stable and dynamic).
- · Voltage selectors with multiple steps for precise adjustment.
- · Excellent drive system with large diameter drive roll.
- · Electronic feedback system on the wire drive will guarantee consistent wire feed speed.
- · Equipped with large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.
- · Optional Volt Ammeter kit and polarity change kit.
- · Meets IEC974-1, ROHS and CE standards for safety and reliability.



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® 205C	K14054-1	400V/3Ph	25-200	200A/24V/35%	16	74	765 x 427 x 850	IP23 / H
Powertec 2050	K14054-2	230/400V/3Ph	25-200	160A/22V/60%	25/16	/4	700 X 427 X 000	
Powertec® 255C	K14055-1	400V/3Ph	25-250	0504/00 51//250/	16	04	040 407 000	
Powertec 255C	K14055-2	230/400V/3Ph	25-250	250A/26.5V/35%	32/16	94		
Powertec® 305C	K14056-1 & -3	400V/3Ph	30-300	300A/29V/35%	25	95	810 x 467 x 930	
Powertec® 305C	K14056-2 & -4	230/400V/3Ph	30-300	225A/25.2V/60%	40/25	95		

Processes

- · MIG
- · Flux-cored



Recommended Consumables

• Steel

Ultramag[®] , Supramig[®], Supramig Ultra[®]

• Flux-cored

Innershield® NR211-MP

 Aluminium SuperGlaze[®]

Unit Includes

- Undercarriage
- 5 m-input cable
- Work clamp and cable assembly (3 m)
- · Gas hose (2 m)
- · Drive roll kit

Key Options

- K10413-15-xM MIG gun LG 150 G 150A 3/4/5 m
- K10413-25-xM MIG gun LG 250 G 200A 3/4/5 m
- **K10413-24-xM** MIG gun LG 240 G 220A 3/4/5 m
- K10413-26-xM MIG gun LG 260 G 260A 3/4/5 m
- K10413-36-xM MIG gun LG 360 G 320A 3/4/5 m
- KP14016-x Drive roll kit range (2R)
- KP14017-x Drive roll kit range (4R)
- K10158-1 Readi-reel mounting stand (15 kg)
- K14076-1 Kit polarity change PT205C
- K14077-1 Kit polarity change PT255C/305C
- K14049-1 Meter kit
- K14009-1 CO, heater connection kit

NPUT









Powertec® 305C PRO, 355C PRO Powertec® 425C PRO

Premium arc, synergic style

The Powertec® PRO range of MIG welding machines is superior in all respects. All have excellent arc characteristics and very low spatter levels with argon mix or 100% CO₂ shielding gas. The extensive set of features on all Powertec® Pro's includes 2/4-step run-in, wire inch and gas purge. Two digital meters indicates clearly the welding voltage and amperage which when combined with the synergic control allows optimum and easy setting with controllability. Select the synergic control and voltage and the wire feed speed will then be adjusted automatically to suit. All machines come equipped with a rugged four-roll drive system with a powerful 90 watt motor. The machines also have a lower cylinder platform, allowing easy loading and unloading of the gas cylinder.

Features

- Products developed with a focus on applications.
- Superb Arc behaviour with Argon Mix and 100% CO₂.
- Excellent drive system (4 rolls) with large diameter drive roll and powerful motor.
- · Electronic feedback system on the four-roll wire drive will guarantee consistent wire feed speed.
- · Voltage selectors with multiple steps for precise adjustment.
- Synergic control to support easy control by the welder.
- · Bright digital Volt and Ammeter.
- · Completed with an extensive set of features.
- · Large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.
- · Meets IEC974-1, ROHS and CE standards for safety and reliability.



Processes

- · MIG
- Flux-cored



Recommended Consumables

• Steel

Ultramag®, Supramig®, Supramig Ultra®

• Flux-cored

Innershield® NR211-MP, Outershield® MC710-H

 Stainless steel Lincoln MIG or LNM 304L, 316L 309LSi

• Aluminium SuperGlaze

Unit Includes

- Undercarriage
- 5 m-input cable
- · Work clamp and cable assembly (3 m)
- · Gas hose (2 m)
- · Drive roll kit

Key Options

- **K10413-25-xM** MIG gun LG 250 G-200A - 3/4/5 m
- K10413-24-xM MIG gun LG 240 G 220A 3/4/5 m
- K10413-26-xM MIG gun LG 260 G 260A 3/4/5 m
- **K10413-36-xM** MIG gun LG 360 G 320A 3/4/5 m
- K10413-42-xM MIG gun LG 420 G 380A 3/4/5 m
- K10413-410-xM MIG gun LG 410 W 350A 3/4/5 m
- K10413-500-xM MIG gun LG 505 W 450A 3/4/5 m
- KP14017-x Drive roll kit range (4R)
- K10158-1 Readi-reel mounting stand (15 kg)
- K14071-1 DR system kit (grill)
- K14009-1 CO, heater connection kit (except PT 305C)
- K14037-1 Water cooler COOL ARC® 25
- K10420-1 Coolant Acorox (2x5I) (PT425C only)

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® 305C PRO	K14057-1		20-280	280A/28V/40% 230A/25.5V/60%	32/20A	145	890 x 565 x 1060	
Powertec® 355C PRO	K14058-1	230/400V/3Ph	30-350	350A/31.5V/40% 285A/28.2V/60%	40/25A	147	890 x 690 x 1060	IP23 / H
Powertec® 425C PRO	K14059-1A		30-420	420A/35V/40% 345A/31.3V/60%	50/32A	162	090 X 090 X 1000	

INPUT







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).
- Meets IEC974-1 and CE standards.

Processes

- · MIG
- Flux-cored



Recommended Consumables

· Steel

Ultramag®, Supramig®, Supramig Ultra®

· Flux-cored

Innershield® NR211-MP, Outershield® MC710-H

- · Stainless steel Lincoln MIG or LNM 304L, 316L 309LSi
- Aluminium SuperGlaze®

Unit Includes

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

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
- K10413-25-xM MIG gun LG 250 G -200A - 3/4/5 m
- K10413-24-xM MIG gun LG 240 G -220A - 3/4/5 m
- K10413-26-xM MIG gun LG 260 G -260A - 3/4/5 m
- K10413-36-xM MIG gun LG 360 G -320A - 3/4/5 m
- K10413-42-xM MIG gun LG 420 G -380A - 3/4/5 m • K10413-410-xM MIG gun LG 410 W -
- 350A 3/4/5 m K10413-500-xM MIG gun LG 505 W -
- 450A 3/4/5 m • K10158-1 Readi-reel mounting stand (15 kg)
- K14071-2 DR system kit (grill)
- K14009-1 CO, heater connection kit
- K14037-1 Water cooler COOL ARC® 25
- K10420-1 Coolant Acorox (2x5l)

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	K14060-1A	230/400V/3Ph	30-300	300A/29V@35% 230A/25.5V@60%	32/20	94	770 x 467 x 930	
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		IP23 / H
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	875 x 700 x 1035	IP23 / FI
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	Wire Size Range (m	m)	Weight	Dimensions HxWxD
		3		(m/min)	Solid	Cored	(kg)	(mm)
LF-22M	K14064-1	Α					15	
LF-24M	K14065-1W		1					
		A/W	34-44V AC	1-20	0.8-1.6	1.0-1.6	17	440 x 275 x 636
LF-24M PRO	K14066-1W	/***					17	









CV-425 & CV-510

High Output. Reliable Workhorses!

The CV-425 and CV-510 are industrial power sources for heavy-duty applications. Both power sources are designed to operate in heavy environmental conditions. These can be shipyards or offshore yards outside. Therefore, the machines are truly meeting IP23 allowing operation in any adverse conditions. Also, all the sensitive components are enclosed in a compartment free from dust and separated from the airflow needed to cool the machine. There is only one PCB completely encapsulated for maximum protection.

Features

- Potted and encapsuled printed circuit board controls in separate dust free compartments.
- Different feeders for construction and shipyards, all with meters, with or without synergy or memory; just select the one of your choice.
- Superb arc behaviour with argon mix and 100% CO₂.
- · Electronic feedback system on the wire drive will guarantee consistent wire feed speed.
- Equipped with large diameter wheels, push/pull bar and lifting eyes for full manoeuverability.
- · Completed with an extensive set of features.



Processes

- MIG
- Flux-cored



Recommended Consumables

• Steel

Ultramag[®] , Supramig[®], Supramig Ultra[®]

• Flux-cored

Innershield® NR211-MP, Outershield® MC710-H

Stainless steel

Lincoln MIG or LNM 304L, 316L 309LSi

 Aluminium SuperGlaze[®]

Unit Includes

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

Recommended Packages

- LF-33 wire feeder 4-roll, 1,0-1,2 mm drive roll
- CV425 or CV510 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
- K10413-36-xM MIG gun LG 360 G 320A 3/4/5 m
- K10413-42-xM MIG gun LG 420 G 380A 3/4/5 m
- K10413-410-xM MIG gun LG 410 W 350A 3/4/5 m
- K10413-500-xM MIG gun LG 505 W 450A 3/4/5 m
- K10158-1 Readi-reel mounting stand (15 kg)
- K14037-1 Water cooler COOL ARC® 25
- K10420-1 Coolant Acorox (2x5l)
- K14009-1 CO₂ heater connection kit • K14071-2 DR system kit (grill)
- K14082-1 Kit A/V meter

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
	CV-425	K14080-1A	230/400V/3Ph	10-420	420A/35V/60%	63/32A	152		
	CV-425	K14080-2A	220/380/440V/3Ph	10-420	325A/30.3V/100%	63/32/32A		880 x 696 x 1020	IP23 / H
		K14081-1A	230/400V/3Ph	40.500	420A/35V/60%	63/40A	400		
CV-5	CV-510	K14081-2A	220/380/440V/3Ph	10-500	325A/30.3V/100%	63/32/32A	160		







Technical Specifications of Wire Feeders

Product	Item Number	Cooling	Input Power	(m/min)	Wire Size Range (mm)		Weight	Dimensions HxWxD	
Troduct	Item Number	Cooming			Solid	Cored	(kg)	(mm)	
LF-33	K14030-1W	A /\A/	24.44\/.40	4.00	0.9.1.6	1016	17	440 x 275 x 636	
LF-33S	K14051-1	A/W	34-44V AC	1-20	0.8-1.6	1.0-1.6	12	350 x 195 x 530	



ACCESSORY KITS

Interconnection cables

Fast-mate (x2), gas hose, protection, (2.5, 5, 10, 15, 20, 25 & 30 m)

- K10347-PG-xM (air cooled)
- K10347-PGW-xM (water cooled)

Item n°:

- K14049-1 A/V meter kit Powertec C
- K14073-1 A/V meter kit LF22m
- K14071-1 Kit grill Powertec C PRO
- K14071-2 Kit grill Powertec S
- K14076-1 Kit Polarity change Powertec
- K14077-1 Kit Polarity change Powertec 255C & 305C

WATER COOLERS

COOL ARC® 25

Item n°: K14037-1



(2x5I)

Item n°: K10420-1



MIG GUNS

LINC GUN™ range

As standard these guns come with an ergonomic grip, springs on both sides of the cable, retractable pins and a "rotating ball joint" at the end of the gun grip

AIR COOLED

- LG 150G, 150A @ 60% K10413-15-xM 3 m, 4 m or 5 m
- LG 250G, 200A @ 60% K10413-25-xM 3 m. 4 m or 5 m
- LG 240G, 220A @ 60% K10413-24-xM 3 m, 4 m or 5 m
- LG 260G, 260A @ 60%
- K10413-26-xM 3 m, 4 m or 5 m • LG 360G, 320A @ 60%
- K10413-36-xM 3 m, 4 m or 5 m • LG 420G, 380A @ 60% K10413-42-xM 3 m, 4 m or 5 m

WATER COOLED

- LG410W, 350A @ 100% K10413-410-xM 3 m, 4 m or 5 m
- LG505W, 500A @ 100% K10413-500-xM 3 m, 4 m or 5 m



DRIVE ROLL KITS

- KP14016-0.8 0.6-0.8 mm solid wire
- KP14016-1.0 0.8-1.0 mm solid wire
- KP14016-1.2 1.0-1.2 mm solid wire
- KP14016-1.1R 0.9-1.1 mm cored wire
- KP14016-1.6R 1.2-1.6 mm cored wire
- KP14016-1.2A 1.0-1.2 mm aluminium wire

- KP14017-0.8 0.6-0.8 mm Solid wire
- KP14017-1.0 0.8-1.0 mm Solid wire
- KP14017-1.2 1.0-1.2 mm Solid wire
- KP14017-1.6 1.2-1.6 mm Solid wire
- KP14017-1.1R0.9-1.1 mm cored wire
- KP14017-1.6R 1.2-1.6 mm cored wire
- KP14017-2.4R 1.6-2.4 mm cored wire
- KP14017-1.2A 1.0-1.2 mm aluminium wire
- KP14017-1.6A 1.2-1.6 mm aluminium wire





Delivering on our commitments of welding expertise across a board range of industry applications

From the most technologically demanding to the most basic application, we help our customer find the best, most economical and productive solutions to meet the productivity and quality requirements specific to their individual needs.



