



alpha Q 351 • 551 Progress puls MM FDW

MULTIMATRIX

- /forceArc® /forceArc®puls
- /rootArc® /rootArc®puls
- /coldArc® /coldArc®puls
- /pipeSolution®
- /Pulse
- /superPuls



drive HP



drive LP



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- Water-cooled MIG/MAG inverter welding machine, pulse, with separate wire feeder
- Excellent Multimatrix welding characteristics
- Adjustable start and end-crater functions
- Program operation with 16 programs per JOB
- Synergic or manual welding operation
- Equipped at no extra charge with EN 1090 certified Synergic characteristics for EWM coldArc, EWM coldArc puls, EWM pipeSolution, EWM forceArc, EWM forceArc puls, EWM rootArc, EWM rootArc puls and superPuls
- Equipped at no extra charge with EN 1090 certified Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Suitable for MMA welding, TIG welding and gouging at no extra charge
- Infinitely adjustable arc dynamics (choke effect)
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped for 1.2 mm steel wire
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- High mains voltage tolerances +20%/-25% and therefore fully generator-compatible
- Ideally suited for use with long hose packages
- Connection capability for remote control and function torch
- Option to network via LAN or WiFi thanks to Multimatrix technology, Xnet-compatible



alpha Q	351	551
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)	
Mains fuses (slow-blow)	3 x 25 A	3 x 32 A
Open circuit voltage	93 V	
Setting range for welding current	5 A - 350 A	5 A - 550 A
Duty cycle 40 °C	-	550 A / 60 %
	350 A / 100 %	420 A / 100 %
cos φ	0.99	
Efficiency	88 %	
Dimensions LxWxH in mm	1100 x 455 x 1000	
Weight	135 kg	138.5 kg
Wire feeder, LxWxH in mm	660 x 280 x 380	
Weight, wire feeder	13 kg	



Type	Designation	Item no.
alpha Q 351 Progress puls MM FDW	MIG/MAG multiprocess pulse welding machine with MULTIMATRIX technology, mobile, water-cooled	090-005333-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 70qmm 450A 1m	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A 5m		094-000406-00001
MIG W 7POL 70qmm 450A 10m		094-000406-00002
MIG W 7POL 70qmm 450A 15m		094-000406-00004
MT451W M9 3m		094-500059-00000
MT451W M9 4m	MIG/MAG welding torch, water-cooled	094-500059-00004
MT451W M9 5m		094-500059-00005
WK70mm²-4m/Z	Welding lead	092-000013-00000
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
ON HS XX1	Mount for hose packages and remote control	092-002910-00000
KOS26	Customised configuration with assembly for decompact systems	092-002685-00001
KOS27	Commissioning: 1 hour	KOS-V00027-00000
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alpha Q 551 Progress puls MM FDW	MIG/MAG multiprocess pulse welding machine with MULTIMATRIX technology, mobile, water-cooled	090-005334-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 95qmm 550A 1m	Intermediate hose package, water-cooled, 7-pole	094-000407-00000
MIG W 7POL 95qmm 550A 5m		094-000407-00001
MIG W 7POL 95qmm 550A 10m		094-000407-00002
MIG W 7POL 95qmm 550A 15m		094-000407-00006
MT551W M9 3m		094-500060-00000
MT551W M9 4m	MIG/MAG welding torch, water-cooled	094-500060-00004
MT551W M9 5m		094-500060-00005
WK95mm²-4m/Z	Welding lead	092-000171-00000
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
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► * Alternative, not included in the final total