



DIX.M

POWER SOURCES FOR MANUAL WELDING V.1



OVERVIEW





MIG/MAG



WELDING PROCESS

Available as a portable version?
Welding current range
Phases
Connection voltage 50/60 Hz
Weight

Wire feeder
Liquid-cooling
Synergic characteristics / Selection of parameters
Software
Special processes
SWITCH function

PULSE	
Suitable for cellulose electrodes	
Input power @ I ₂ MAX	kVA
Delayed fuse (I _{eff})	A
Power factor / cos φ	
Efficiency degree	
Open circuit voltage	V
	A 100%
Duty Cycle (40°C)	A 60%
	A X%

Standards	
Protection class	IP
Insulation class	
Dimensions	

1156.M	1156.M PULS	2006.M	2006.M PULS
MIG/MAG*, MMA, TIG „LIFT“		MIG/MAG*, MMA, TIG „LIFT“	
x		x	
10 - 175 A	10 - 200 A	10 - 250 A	
1 phase		3 phase	
230 V +/-15%		400 V +/-15%	
16 kg		21 kg	
integrated		integrated	
-		optional	
x		x	
DIX ARC		DIX ARC	
-		DIX ARC.COOL	
-		-	
-	PULSE, DUAL PULSE	-	PULSE, DUAL PULSE
-		-	
8.1	9.7	10	10
16	16	16	16
0.63/0.99	0.64/0.99	0.74/0.99	0.74/0.99
0.83	0.83	0.89	0.89
60	60	60	60
100	100	180	180
115	115	200	200
175 (20%)	200 (15%)	250 (35%)	250 (35%)
EN 60974-1 · EN 60974-5 EN 60974-10 [S]		EN 60974-1 · EN 60974-5 EN 60974-10 [S]	
23 S		23 S	
H		H	
500 x 220 x 425 mm		650 x 300 x 388 mm	

*The technical data refer to the specified main welding process.



TIG



3006.M I	3506.M I	3006.M I PULS	3506.M I PULS	3006.M PULS	4006.M PULS	4606.M PULS
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1406.M HF	1406.M HF PRO
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MIG/MAG*, MMA, TIG „LIFT“

MIG/MAG*, MMA, TIG „LIFT“

TIG*, MMA

-	-	-	-	-	-	-
10 - 320 A	10 - 400 A	10 - 320 A	10 - 400 A	10 - 330 A	10 - 400 A	10 - 500 A
3 phase				3 phase		
400 V +/-20%				400 V +/-20%		
41 kg	42 kg	42 kg	43 kg	35 kg	40 kg	44 kg
integrated				optional, double wire feeder available		
optional				optional		
x				x		
DIX ARC				DIX ARC 5		
DIX ARC.COOL and DIX ARC.MEGA FAST				7 different special processes		
-				-		
-	-	PULSE, DUAL PULSE	PULSE, DUAL PULSE	PULSE, DUAL PULSE		
-				-		
13	17.8	17	23.7	19.6	25.5	31.2
20	25	25	25	25	32	40
0.87/0.99	0.92/0.99	0.66/0.99	0.70/0.99	0.62/0.99	0.65/0.99	0.69/0.99
0.86	0.85	0.86	0.85	0.82	0.85	0.85
63	63	63	63	62	70	70
280	300	280	300	280	350	380
300	350	300	350	300	400	460
320 (40%)	400 (40%)	320 (40%)	400 (40%)	330 (40%)	-	500 (50%)
EN 60974-1 · EN 60974-5 · EN 60974-10 S				EN 60974-1 · EN 60974-10 S		
23 S				23 S		
H				H		
660 x 290 x 515 mm				660 x 290 x 515 mm		

x	
5 - 200 A	5 - 200 A
1 phase	
230 V +/-20%	
7.5 kg	
-	
-	
-	x
-	
-	
-	x
-	
-	TIG PULSE 0,5 - 500 Hz
-	
8.5	8.5
20	20
0.67/0.99	0.67/0.99
0.82	0.82
88	88
120	120
140	140
200 (25%)	200 (25%)
EN 60974-1 · EN 60974-3 · EN 60974-10 S	
23 S	
H	
390 x 135 x 300 mm	

MMA



1806.M AC/DC	1906.M HF	2506.M AC/DC	2506.M HF
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1206.M	1106.M C	1306.M	1206.M C
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TIG*, MMA

MMA*, TIG „LIFT“

x			
5 - 220 A	5 - 220 A	5 - 300 A	5 - 300 A
1 phase		3 phase	
230 V +/-20%		400 V +/-20%	
15.5 kg	14 kg	19 kg	17.5 kg

x			
5 - 150 A	5 - 150 A	5 - 180 A	5 - 180 A
1 phase			
230 V +/-20%			
4.2 kg	4.2 kg	6 kg	6.5 kg

-

-

optional

-

x

-

-

-

DIX ARC.COOL SPOT

-

x

-

TIG PULSE
0,5 - 2000 Hz

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-	x	-	x
6.5	6.0	9.6	9.1
16	16	10	10
0.99	0.99	0.95/0.99	0.95/0.99
0.77	0.77	0.76	0.78
100	100	100	100
140	160	210	210
180	190	250	250
220 (30%)	220 (30%)	300 (35%)	300 (35%)

-	x	-	x
7.6	7.9	11.3	11.3
16	16	20	20
0.64/0.99	0.64/0.99	0.67/0.99	0.67/0.99
0.84	0.82	0.82	0.82
88	103	88	12
100	90	110	100
120	110	130	120
150 (30%)	150 (20%)	180 (20%)	180 (20%)

EN 60974-1 · EN 60974-3 · EN 60974-10 S

EN 60974-1 · EN 60974-10 S

23 S

21 S

23 S

F

465 x 185 x 390 mm 495 x 185 x 390 mm

340 x 115 x 260 mm 390 x 135 x 300 mm

NAME NAVIGATOR

Based on our product names, you can find at a glance what you are looking for: Which process can I weld? In which ampere range can I work and is the machine portable? Special characteristics also result directly from

the name of the machine. With the help of our name navigator you will quickly find the right machine for your requirements.

DIX

DINSE welding systems are characterized by highest precision, field-proven longevity and special safety. The abbreviation DIX stands for our DINSE quality standard and has been the benchmark for the entire industry for many years.

GO

All our GO models are portable machines.

1906.

190 amps at 60% duty cycle. You can see the respective performance class at a glance.

M

Our M models are all designed for manual welding.

DIX TIG GO 1906.M HF

TIG

Choose your welding process at this point. The basis is the Manual Metal Arc (MMA) process with the electrode rod. There is no special labeling for this procedure. All DIX PI machines primarily weld in MIG/MAG. DIX TIG devices are specially developed for the TIG process.

HF

The last digit of the product name stands for special functions and particular characteristics. These include high-frequency ignition (HF), pulsed welding (PULSE) or alternating current welding (AC/DC). For example, our DIX GO.M C models are also suitable for welding cellulose electrodes.

DETAILS THAT MAKE THE DIFFERENCE

The design of the DIX.M manual power sources has been meticulously thought-out in order to fit perfectly into everyday processes and to provide the welder with the best possible support in his work.

These include, among other things, the robust and high-quality workmanship of the metal housing, which has no interference contours, the stable and tinted display cover hoods or the easy accessibility of all control elements.

All DINSE power sources are equipped with the original DINSE sockets to guarantee a perfect power transfer.

EASY TO USE

The clearly structured control panels of the DINSE manual power sources DIX.M enable intuitive operation of the devices. All relevant welding parameters are set in an instant.

Thanks to the innovative welding software, even a less experienced welder can quickly and easily produce high-quality welds.

BRIEF SUMMARY

MIG/MAG

	Ø 0,6 mm	Ø 1,0 mm	Ø 1,2 mm	Ø 1,6 mm
DIX PI GO 1156.M	100 A, 100%	175 A, 20%		
DIX PI GO 1156.M PULS	100 A, 100%	200 A, 15%		
DIX PI GO 2006.M	180 A, 100%		250 A, 35%	
DIX PI GO 2006.M PULS	180 A, 100%		250 A, 35%	
DIX PI 3006.M I	280 A, 100%		320 A, 40%	
DIX PI 3506.M I	300 A, 100%		400 A, 40%	
DIX PI 3006.M I PULS	280 A, 100%		320 A, 40%	
DIX PI 3506.M I PULS	300 A, 100%		400 A, 40%	
DIX PI 3006.M PULS	280 A, 100%			330 A, 40%
DIX PI 4006.M PULS	350 A, 100%			400 A, 60%
DIX PI 4606.M PULS	380 A, 100%			500 A, 50%

Ø with G3Si4

TIG

DIX TIG GO 1406.M HF	120 A, 100%	200 A, 25%
DIX TIG GO 1406.M HF PRO	120 A, 100%	200 A, 25%
DIX TIG GO 1806.M AC/DC	140 A, 100%	220 A, 30%
DIX TIG GO 1906.M HF	160 A, 100%	220 A, 30%
DIX TIG GO 2506.M AC/DC	210 A, 100%	300 A, 35%
DIX TIG GO 2506.M HF	210 A, 100%	300 A, 35%

MMA

	Ø 2 mm	Ø 4 mm	Ø 5 mm
DIX GO 1106.M C	90 A, 100%	150 A, 20%	
DIX GO 1206.M	100 A, 100%	150 A, 30%	
DIX GO 1206.M C	100 A, 100%		180 A, 20%
DIX GO 1306.M	110 A, 100%		180 A, 20%

Your DINSE Partner:



DINSE is your dependable partner for the entire welding process. Contact us and schedule an appointment for consultation today. Together with you we will find the best solution for your application.



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