



WELD-TEC
SCHWEISS- UND SCHNEIDTECHNIK GMBH



helvi®

PUMA

MIG INVERTER RANGE



PUMA  298

HELVI

+

-



ECODESIGN
READY



PUMA 256
 1ph · 250A
 MIG · MMA · TIG

PUMA 278
 3ph · 250A
 MIG

PUMA 298
 3ph · 290A
 MIG · MMA (Rutile) · TIG

FEATURES



TECHNICAL DATA · DATI TECNICI

PUMA 298																																																							
Input Voltage	(3ph) 400V ± 10% 50/60Hz																																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #f28b82; color: white;">MIG</th> <th style="background-color: #f28b82; color: white;">MMA (only Rutile)</th> <th style="background-color: #f28b82; color: white;">TIG</th> </tr> </thead> <tbody> <tr> <td>Power 60%</td> <td style="text-align: center;">6 KW</td> <td style="text-align: center;">5,8 KW</td> </tr> <tr> <td>U_o</td> <td style="text-align: center;">35 V</td> <td style="text-align: center;">54 V</td> </tr> <tr> <td>Amp. Min-Max</td> <td style="text-align: center;">30 ÷ 290 A</td> <td style="text-align: center;">20 ÷ 250 A</td> </tr> <tr> <td>Duty Cycle 40°</td> <td style="text-align: center;">290A @ 35%</td> <td style="text-align: center;">250A @ 35%</td> </tr> <tr> <td>Ø Steel</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Stainless Steel</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Aluminium</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Flux core</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø CuSi₃</td> <td style="text-align: center;">0,8 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø E</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1,6 ÷ 5 mm</td> </tr> <tr> <td>Electrode Type</td> <td style="text-align: center;">-</td> <td style="text-align: center;">6013 Rutile</td> </tr> <tr> <td>Insulation</td> <td colspan="2" style="text-align: center;">H</td> </tr> <tr> <td>Protection degree</td> <td colspan="2" style="text-align: center;">IP23</td> </tr> <tr> <td>Dim. (LxWxH)</td> <td colspan="2" style="text-align: center;">450x840x710 mm</td> </tr> <tr> <td>Box (LxWxH)</td> <td colspan="2" style="text-align: center;">365x895x650 mm</td> </tr> <tr> <td>Weight box/net</td> <td colspan="2" style="text-align: center;">37 / 35 Kg</td> </tr> <tr> <td style="background-color: #f28b82;">Part number</td> <td colspan="2" style="background-color: #f28b82; text-align: center;">99825016K</td> </tr> </tbody> </table>	MIG	MMA (only Rutile)	TIG	Power 60%	6 KW	5,8 KW	U _o	35 V	54 V	Amp. Min-Max	30 ÷ 290 A	20 ÷ 250 A	Duty Cycle 40°	290A @ 35%	250A @ 35%	Ø Steel	0,8 ÷ 1,0 mm	-	Ø Stainless Steel	0,8 ÷ 1,0 mm	-	Ø Aluminium	1,0 ÷ 1,2 mm	-	Ø Flux core	1,0 ÷ 1,2 mm	-	Ø CuSi ₃	0,8 mm	-	Ø E	-	1,6 ÷ 5 mm	Electrode Type	-	6013 Rutile	Insulation	H		Protection degree	IP23		Dim. (LxWxH)	450x840x710 mm		Box (LxWxH)	365x895x650 mm		Weight box/net	37 / 35 Kg		Part number	99825016K	
MIG	MMA (only Rutile)	TIG																																																					
Power 60%	6 KW	5,8 KW																																																					
U _o	35 V	54 V																																																					
Amp. Min-Max	30 ÷ 290 A	20 ÷ 250 A																																																					
Duty Cycle 40°	290A @ 35%	250A @ 35%																																																					
Ø Steel	0,8 ÷ 1,0 mm	-																																																					
Ø Stainless Steel	0,8 ÷ 1,0 mm	-																																																					
Ø Aluminium	1,0 ÷ 1,2 mm	-																																																					
Ø Flux core	1,0 ÷ 1,2 mm	-																																																					
Ø CuSi ₃	0,8 mm	-																																																					
Ø E	-	1,6 ÷ 5 mm																																																					
Electrode Type	-	6013 Rutile																																																					
Insulation	H																																																						
Protection degree	IP23																																																						
Dim. (LxWxH)	450x840x710 mm																																																						
Box (LxWxH)	365x895x650 mm																																																						
Weight box/net	37 / 35 Kg																																																						
Part number	99825016K																																																						

PUMA 278 · MIG		PUMA 256																																																																						
Input Voltage	(3ph) 400V ± 10% 50/60Hz	(1ph) 230V ± 10% 50/60Hz																																																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #f28b82; color: white;">MIG</th> <th style="background-color: #f28b82; color: white;">MMA</th> <th style="background-color: #f28b82; color: white;">TIG</th> </tr> </thead> <tbody> <tr> <td>Power 60%</td> <td style="text-align: center;">4,8 KW</td> <td style="text-align: center;">5,6 KW</td> <td style="text-align: center;">5,3 KW</td> </tr> <tr> <td>U_o</td> <td style="text-align: center;">35 V</td> <td style="text-align: center;">35 V</td> <td style="text-align: center;">55 V</td> </tr> <tr> <td>Amp. Min-Max</td> <td style="text-align: center;">30 ÷ 250 A</td> <td style="text-align: center;">30 ÷ 250 A</td> <td style="text-align: center;">20 ÷ 200 A</td> </tr> <tr> <td>Duty Cycle 40°</td> <td style="text-align: center;">250A @ 30%</td> <td style="text-align: center;">250A @ 30%</td> <td style="text-align: center;">200A @ 35%</td> </tr> <tr> <td>Ø Steel</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Stainless Steel</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">0,8 ÷ 1,0 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Aluminium</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø Flux core</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">1,0 ÷ 1,2 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø CuSi₃</td> <td style="text-align: center;">0,8 mm</td> <td style="text-align: center;">0,8 mm</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Ø E</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1,6 ÷ 4 mm</td> </tr> <tr> <td>Electrode Type</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">6013 Rutile · 7018 Basic</td> </tr> <tr> <td>Insulation</td> <td colspan="3" style="text-align: center;">H</td> </tr> <tr> <td>Protection degree</td> <td colspan="3" style="text-align: center;">IP23</td> </tr> <tr> <td>Dim. (LxWxH)</td> <td colspan="3" style="text-align: center;">450x840x710 mm</td> </tr> <tr> <td>Box (LxWxH)</td> <td colspan="3" style="text-align: center;">365x895x650 mm</td> </tr> <tr> <td>Weight box/net</td> <td colspan="3" style="text-align: center;">32 / 30 Kg</td> </tr> <tr> <td style="background-color: #f28b82;">Part number</td> <td colspan="3" style="background-color: #f28b82; text-align: center;">99825017K</td> </tr> </tbody> </table>	MIG	MMA	TIG	Power 60%	4,8 KW	5,6 KW	5,3 KW	U _o	35 V	35 V	55 V	Amp. Min-Max	30 ÷ 250 A	30 ÷ 250 A	20 ÷ 200 A	Duty Cycle 40°	250A @ 30%	250A @ 30%	200A @ 35%	Ø Steel	0,8 ÷ 1,0 mm	0,8 ÷ 1,0 mm	-	Ø Stainless Steel	0,8 ÷ 1,0 mm	0,8 ÷ 1,0 mm	-	Ø Aluminium	1,0 ÷ 1,2 mm	1,0 ÷ 1,2 mm	-	Ø Flux core	1,0 ÷ 1,2 mm	1,0 ÷ 1,2 mm	-	Ø CuSi ₃	0,8 mm	0,8 mm	-	Ø E	-	-	1,6 ÷ 4 mm	Electrode Type	-	-	6013 Rutile · 7018 Basic	Insulation	H			Protection degree	IP23			Dim. (LxWxH)	450x840x710 mm			Box (LxWxH)	365x895x650 mm			Weight box/net	32 / 30 Kg			Part number	99825017K		
MIG	MMA	TIG																																																																						
Power 60%	4,8 KW	5,6 KW	5,3 KW																																																																					
U _o	35 V	35 V	55 V																																																																					
Amp. Min-Max	30 ÷ 250 A	30 ÷ 250 A	20 ÷ 200 A																																																																					
Duty Cycle 40°	250A @ 30%	250A @ 30%	200A @ 35%																																																																					
Ø Steel	0,8 ÷ 1,0 mm	0,8 ÷ 1,0 mm	-																																																																					
Ø Stainless Steel	0,8 ÷ 1,0 mm	0,8 ÷ 1,0 mm	-																																																																					
Ø Aluminium	1,0 ÷ 1,2 mm	1,0 ÷ 1,2 mm	-																																																																					
Ø Flux core	1,0 ÷ 1,2 mm	1,0 ÷ 1,2 mm	-																																																																					
Ø CuSi ₃	0,8 mm	0,8 mm	-																																																																					
Ø E	-	-	1,6 ÷ 4 mm																																																																					
Electrode Type	-	-	6013 Rutile · 7018 Basic																																																																					
Insulation	H																																																																							
Protection degree	IP23																																																																							
Dim. (LxWxH)	450x840x710 mm																																																																							
Box (LxWxH)	365x895x650 mm																																																																							
Weight box/net	32 / 30 Kg																																																																							
Part number	99825017K																																																																							

PUMA



MIG INVERTER RANGE

FRONT PANEL · PANNELLO FRONTALE



- | | |
|---|---|
| <p>1 Digital display · Display digitale</p> | <p>3 Process selection · Selezione processo</p> |
| <p>2 LED: Verde → Power
Yellow → Over-temperature
Red → Over-current</p> | <p>4 Welding current / Wire speed / Thickness of the material
Corrente di saldatura / Velocità filo / Spessore materiale</p> |
| <p>LED: Verde → Alimentazione
Giallo → Sovratemperatura
Rosso → Sovracorrente</p> | <p>5 Arc voltage / Hot Start
Tensione d'arco / Hot Start</p> |



W
WELD-TEC
SCHWEISS- UND SCHNEIDTECHNIK GMBH

A - 7400 Oberwart, Kreuzgasse 1
Tel: +43 (0) 3352 210 88 - 0
Fax: +43 (0) 3352 210 88 - 3
E-mail: office@weld-tec.com
www.weld-tec.com

*welding .
cutting .
automation .
service .*