

# GenSet



## MPM 20/500 S-P



**GEN SET S.p.a.**

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## MPM 20/500 S-P

ENGINE DRIVEN WELDER/GENERATOR / DELIVERS 500 A OF DC WELD OUTPUT /  
SINGLE-PHASE AUXILIARY POWER AVAILABLE / SILENCED MODEL /  
DIESEL ENGINE 1500 RPM

<b>Gen Set Features</b>	<b>Welding Processes: SMAW (stick) / TIG / CAG</b>	
	<ul style="list-style-type: none"> <li>+ DAS, auto engine protection shutdown system with warning lights in case of:</li> <li>- battery charger failure</li> <li>- low fuel level</li> <li>- low oil pressure</li> <li>- high coolant temperature</li> <li>- overspeed</li> <li>+ Fuel level gauge</li> <li>+ 12V built-in battery with electric start</li> <li>+ Engine hourmeter</li> <li>+ Voltmeter</li> </ul>	<ul style="list-style-type: none"> <li>+ 1 x 32 A 230 V - 50Hz single-phase EEC socket protected by circuit breaker</li> <li>+ 1 x 16 A 230 V - 50Hz single-phase EEC socket protected by circuit breaker</li> <li>+ Earth Leakage Circuit Breaker (ELCB)</li> <li>+ Remote control socket</li> <li>+ Arc Force Control with changeover switch basic / cellulosic welding rods</li> <li>+ Carbon Arc Gouging (CAG) socket</li> <li>+ Central lifting eye</li> <li>+ Fork-lift pockets</li> </ul>
<b>Gen Set Options</b> (available as factory options)	<ul style="list-style-type: none"> <li>+ 20 kVA, 1 x 32 A, 400 V - 50 Hz three-phase EEC socket with ELCB protection</li> <li>+ 7 kVA, 48 V - 50 Hz single-phase outlet</li> <li>+ LIFT START TIG facility</li> <li>+ CC/CV control for MIG welding</li> </ul>	<ul style="list-style-type: none"> <li>+ Built-in polarity reversing switch</li> <li>+ Weld Voltmeter and Ammeter</li> <li>+ Spark arrester muffler</li> <li>+ Version with different voltages</li> <li>+ 60Hz version</li> </ul>
<b>Accessories on Request</b>	<ul style="list-style-type: none"> <li>+ Two-wheels site tow undercarriage (GRT2W)</li> <li>+ Four-wheels site tow undercarriage (GRT4W)</li> <li>+ Four-wheels trailer with leaf springs and towing bar (GRT4WLB)</li> <li>+ Reverse polarity switch kit</li> <li>+ Remote control unit with 20 m cable and plug</li> <li>+ Welding cables Ø 50 mm<sup>2</sup> (20+15 m) with accessories</li> <li>+ MIG wire feeder</li> </ul>	
<b>Noise Level</b>	+ Lwa 96 (71 dB a 7 m)	
<b>DC Welding</b>	<ul style="list-style-type: none"> <li>+ Duty Cycle @ 60%: 500 A - 40 V</li> <li>+ Duty Cycle @ 100%: 400 A - 36 V</li> <li>+ Stepless current control: 30 A - 500 A</li> <li>+ Open Circuit Voltage: 70 V</li> <li>+ Max welding rod: 10 mm</li> </ul>	
<b>AC Generator 50 Hz</b>	<ul style="list-style-type: none"> <li>+ Type: Gen Set asynchronous self-excited and self-protected</li> <li>+ Single-phase power: 12 kVA - 230 V</li> <li>+ Power Factor: cos φ 0,8</li> </ul>	
<b>Diesel Engine 1500 rpm</b>	<ul style="list-style-type: none"> <li>+ Type: Perkins 1103-33G - 3 cyl. 40,8 HP (30 kWm) - 3300 cm<sup>3</sup></li> <li>+ Fuel: diesel</li> <li>+ Cooling system: water</li> <li>+ Starting system: electric</li> <li>+ Fuel tank capacity: 74 l</li> <li>+ Fuel consumption @ 75%: 6,1 l/h</li> </ul>	
<b>Other Features</b>	<ul style="list-style-type: none"> <li>+ Insulation Class: F</li> <li>+ Ambient temperature: 40 °C</li> <li>+ Altitude: 1000 mt</li> <li>+ Mechanical Protection: IP 23</li> <li>+ Dimensions (L x W x H): 2000 x 900 x 1200 mm</li> <li>+ Dry weight: 1090 kg</li> </ul>	

Generator set in designed to operate in ambient temperatures up to 40 °C and 1000 mt altitude - For higher values of temperature and altitude please consult factory to check available power.