



- Wires: 2 x light blue primary thermoswitch 140°C.
 Wires: 2 x black secondary thermoswitch 80°C.
 Wires: 2 x yellow rectifier thermoswitch 65°C.
 Wires: 1 x brown; 1 x white – secondary toroid current monitor 150 mV/kA ± 3% at 1kΩ ohmic resistance.
 Earthing: if the earth connection MP is removed another suitable kind of protective measure is to be installed.

Type	Turns ratio	Rated supply voltage U_{In} [V]	Frequency f [Hz]	Permanent input current I_{IP} [A]	Cooling water min. 6 L/min, max. 30°C												
MIT-100 H-500/8.3 TM	55:1	500	1000	98	Pressure difference [bar] max. 0.6												
Rectified voltage, U_{2d} [V]				8.3													
Output current [kA]					Normative references: ISO 5826, ISO 10656, ISO/CD 22829												
Permanent, I_{2P}				5.4													
Nominal $\otimes x = 20\%$				12													
On 200 $\mu\Omega$ load, I_{2R}				25													
Admissible	See diagram			50	MF Transformer Rectifier $S_n: 100 \text{ kW } \otimes x = 20\%$												
Surge I_{FSM} (10ms, $T_{j \text{ max}}$ 170°C)				50													
Protection class	Insulation class	Mass [Kg]	Tel: +44-1483-534 634	<table border="1"> <thead> <tr> <th>2005</th> <th>Name</th> <th>Date</th> <th>Issue</th> </tr> </thead> <tbody> <tr> <td>Drawn</td> <td>VK</td> <td>20.06</td> <td></td> </tr> <tr> <td>Checked</td> <td>GN</td> <td>30.06</td> <td></td> </tr> </tbody> </table>		2005	Name	Date	Issue	Drawn	VK	20.06		Checked	GN	30.06	
2005	Name	Date	Issue														
Drawn	VK	20.06															
Checked	GN	30.06															
Transformer	IP65	F	Fax: +44-1483-573 624														
Terminals	IP00	F	e-mail isomatic@isomatic.com www.isomatic.com														