



## Mig Mag Thyristor - Wire Feeder



KMX 353 & X 353

KMX 503 & X 503

### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- Thyristor control Mig Mag with separate wire feeder, for precise control on welding parameter
- Thermal Overload Protection, internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Designated for medium to heavy industries that deliver reliable welding result
- Crater filler function on crater current and crater voltage, for best welding result
- A reliable choke transformer is optimally produced for better welding and less spatter
- Rugged industrial wire feeder system, with four geared feed rolls, quick change reversible drive rolls and easy-to-set scaled tension knob, and wire feeder straightener
- Inclined wire spool hub for smooth wire transfer and better welding result
- Better ignition with lesser wire ball end created by slower speed program

Specifications	KMX 353 & X 353	KMX 503 & X 503
Welding range	60 - 350 A	80 - 500 A
Crater filler current range	60 - 350 A	80 - 500 A
Output voltage range	17 - 34 V	18 - 42 V
Crater filler voltage range	17 - 34 V	18 - 42 V
Open circuit voltage	50 V	68 V
Voltage settings	Stepless	Stepless
Welding current at 60 % duty cycle	350 A	500 A
Welding current at 100 % duty cycle	270 A	390 A
Weldable steel wire	0.8 - 1.6 mm	0.8 - 1.6 mm
Wire feed rate	1.5 - 20 m/min	1.5 - 20 m/min
Input phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Main fuse ( slow - blow )	40 A	50 A
Max. power consumption 380 V	18 KVA	30 KVA
Power factor	0.80	0.85
Index protection	IP 23	IP 23
Insulation class	F	F
Cooling type	F	F
Noise emission	< 75 dB ( A )	< 75 dB ( A )
Machine dimension ( L x W x H )	570 x 360 x 680 mm	690 x 430 x 780 mm
Machine weight	123 Kg	170 Kg
Wire feeder dimension ( L x W x H )	500 x 190 x 340 mm	500 x 190 x 340 mm
Wire feeder weight	11 Kg	11 Kg

Item Code	Item Name	MoQ
101.06.005.1	KMX 353 - Mig Mag Air Cooled Package	1 Set
101.06.005.2	KMX 353 - Mig Mag Water Cooled Package	1 Set
101.06.006.1	KMX 503 - Mig Mag Air Cooled Package	1 Set
101.06.006.2	KMX 503 - Mig Mag Water Cooled Package	1 Set
	<ul style="list-style-type: none"> <li>• Japanese wire feeder with straightener - 1 unit</li> <li>• Interpass cable size 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Plug to ground clamp 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Gas Hose 8 mm at 2 m - 1 set</li> <li>• Hose Clamp 10 mm - 3 pcs</li> </ul>	

Item Code	Item Name	MoQ	101.06.005.1	101.06.005.2	101.06.006.1	101.06.006.2
<b>Standard Accessories</b>						
101.06.005	Mig Mag Thyristor - KMX 353	1 Unit	•	•		
101.06.006	Mig Mag Thyristor - KMX 503	1 Unit			•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		•
208.11.006	Water Cooled Hose Package - Blue & Red at 3 m	1 Set		•		•
<b>Standard Alternative</b>						
203.03.001	Mig Torch - Ergoplus 24 at 3 m long	1 Set	•		•	
203.03.002	Mig Torch - Ergoplus 24 at 4 m long	1 Set	•		•	
203.03.003	Mig Torch - Ergoplus 24 at 5 m long	1 Set	•		•	
203.04.001	Mig Torch - Ergoplus 36 at 3 m long	1 Set	•		•	
203.04.002	Mig Torch - Ergoplus 36 at 4 m long	1 Set	•		•	
203.04.003	Mig Torch - Ergoplus 36 at 5 m long	1 Set	•		•	
203.05.001	Mig Torch - Ergoplus 500 at 3 m long	1 Set		•		•
203.05.002	Mig Torch - Ergoplus 500 at 4 m long	1 Set		•		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•	•	•
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	•	•	•
<b>Optional Accessories</b>						
201.07.005	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( V )	1 Pc	•	•	•	•
201.07.006	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( V )	1 Pc	•	•	•	•
201.07.007	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( V )	1 Pc	•	•	•	•
201.07.008	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( Knurled )	1 Pc	•	•	•	•
201.09.009	Interpass Cable size 50 mm at 10 m - Air Cooled - KMX 353	1 Set	•			
201.09.010	Interpass Cable size 50 mm at 15 m - Air Cooled - KMX 353	1 Set	•			
201.09.011	Interpass Cable size 50 mm at 20 m - Air Cooled - KMX 353	1 Set	•			
201.09.012	Interpass Cable size 70 mm at 10 m - Air Cooled - KMX 503	1 Set			•	
201.09.013	Interpass Cable size 70 mm at 15 m - Air Cooled - KMX 503	1 Set			•	
201.09.014	Interpass Cable size 70 mm at 20 m - Air Cooled - KMX 503	1 Set			•	
201.10.009	Interpass Cable size 50 mm at 10 m - Water Cooled - KMX 353	1 Set		•		
201.10.010	Interpass Cable size 50 mm at 15 m - Water Cooled - KMX 353	1 Set		•		
201.10.011	Interpass Cable size 50 mm at 20 m - Water Cooled - KMX 353	1 Set		•		
201.10.012	Interpass Cable size 70 mm at 10 m - Water Cooled - KMX 503	1 Set				•
201.10.013	Interpass Cable size 70 mm at 15 m - Water Cooled - KMX 503	1 Set				•
201.10.014	Interpass Cable size 70 mm at 20 m - Water Cooled - KMX 503	1 Set				•
<b>General Accessories</b>						
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•