

DIFFUSION

Innovative superconditioning solutions

DIFFARC RANGE MIG / MAG / MMA WELDING

DW350i MIG

3
Phase

50
60
Hz

DC

CE

CCC



DW 400i MIG

3
Phase

50
60
Hz

DC

CE

CCC



PRODUCT SPECIALITY

DW350i MIG, DW500i MIG & DW630i MIG

1. Based on the technology of the HF inverter with IGBT module. The frequency is as high as 20KHZ. The reaction is fast.
2. The PWM control method guarantees the quality and stable performance.
3. Digital display of current and voltage adjustment before welding. Direct and convenient.
4. Applicable for all the welding positions as the welding current will be automatically adjusted when the stretching length is not more than 30mm.
5. Stable welding with strong capability against power fluctuation (380V-450V).
6. Saves power bill by 50% percent as compared to conventional machines.

DW500i MIG

3
Phase

50
60
Hz

DC

CE

CCC



DW630i MIG

3
Phase

50
60
Hz

DC

CE

CCC



DIFFARC RANGE - MIG/MAG/MMA WELDING

Parameter/Model	DW350i MIG	DW 400i MIG	DW500i MIG	DW630i MIG
Input Voltage (V)	AC 415 ± 15%	AC 415 ± 15%	AC 415 ± 15%	AC 415 ± 15%
Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated Input Current (A)	18	26	32	47
Output Current Range (A)	50-350	50-400	80-500	100-630
Rated Output Voltage (V)	16.5-31.5	16.5-34	18-39	19-44
Duty Cycle (%)	60	100%	100*	100*
Efficiency (%)	85	85	85	85
Power Factor	0.93	0.93	0.93	0.93
Insulation Grade	H	H	H	H
Wire Feeder	Separate/ Panasonic interface	Separate/ Panasonic interface	Separate/ Panasonic interface	Separate/ Panasonic interface
Wire Feeding Speed (m/min)	3-15	3-15	3-15	3-15
Wire Diameter(mm)	0.8/1.0/1.2	0.8/1.0/1.2	1.0/1.2/1.6	1.0/1.2/1.6**
Post Flows (sec)	1.5± 0.5	1.5± 0.5	1.5± 0.5	1.5± 0.5
Housing Protection Grade	IP23	IP23	IP23	IP23
Output Cable(mm ²)	35+	35+	50+	70+
Net Weight (kg)	30	36	42	42
Dimensions (mm)	555x263x440	515x265x405	685x302x660	685x302x660
Standard Accessories	Wire Feeder Unit with hose- 4Meters with all end connectors, CO2 regulator, Nozzle Tip, Feed Roller, Spanners, MIG Torch, Earthing Cables	Wire Feeder Unit with hose- 4Meters with all end connectors, CO2 regulator, Nozzle Tip, Feed Roller, Spanners, MIG Torch, Earthing Cables	Wire Feeder Unit with 4Meters hose with all connectors, CO2 regulator, Nozzle Tip, Feed Roller, Spanners, Hose, MIG Torch, Output cable- meters, Earthing Clamp, Lugs.	Wire Feeder Unit with 4Meters hose with all connectors, CO2 regulator, Nozz Feed Roller, Spanners, Hose, MIG Torch, Output cable-3meters, Earthing Clamp holder, Lugs.

*100% Duty cycle when ambient temperatures are below 40deg C

**with addition configuration wire diameter 2.0/2.4/2.8mm can be used in 500i MIG & 630i MIG only.

DIFFUSION ENGINEERS LIMITED

Regd. Office : T-5 & T-6, M.I.D.C., Hingna Industrial Area, Nagpur - 440016. Maharashtra INDIA

[t] 091-7104-232084,234727 [f] 091-7104-232085. [e] info@diffusionengineers.com

Works I : T-5 & T-6, M.I.D.C., Hingna Industrial Area, Nagpur 440 016. [t] 091-7104-232084, 234727

Work II : N-78 & N-79, M.I.D.C., Hingna Industrial Area, Nagpur 440 016. [t] 091-7104-236036

Work III : T-12, M.I.D.C., Hingna Industrial Area, Nagpur 440 016. [t] 091-7104-232984

[w] www.diffusionengineers.com

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