

TOSH WELD[®]

INVERTER WELDING SYSTEM



SHOPPING GUIDE





ARC 200 G

1 Phase

IGBT

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	6
NO-LOAD VOLTAGE (V)	58
OUTPUT CURRENT RANGE (A)	10 - 200
RATE INPUT CURRENT (A)	43.6
POWER FACTOR	0.73
NET WEIGHT (KG)	6
DIMENSION (INCH)	15.5 x 6 x 11.5
PLATE THICKNESS (MM)	2.0 - 6.0
ELECTRODE SIZE (MM)	2.0 - 3.2



ARC 200	1 Phase	MOSFET
INPUT VOLTAGE (V)	AC230V±15%	
INPUT POWER CAPACITY (KVA)	6	
NO-LOAD VOLTAGE (V)	58	
OUTPUT CURRENT RANGE (A)	10 - 200	
RATE INPUT CURRENT (A)	43.6	
POWER FACTOR	0.73	
NET WEIGHT (KG)	8	
DIMENSION (INCH)	15.5 x 6 x 11.5	
PLATE THICKNESS (MM)	2.0 - 6.0	
ELECTRODE SIZE (MM)	2.0 - 3.2	



ARC 250 ST

1 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	7.4
NO-LOAD VOLTAGE (V)	58
OUTPUT CURRENT RANGE (A)	10 - 250
RATE INPUT CURRENT (A)	43.6
POWER FACTOR	0.73
NET WEIGHT (KG)	10
DIMENSION (INCH)	16 x 6 x 12
PLATE THICKNESS (MM)	2.0 - 8.0
ELECTRODE SIZE (MM)	2.0 - 3.2



ARC 300 S

1 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	9.4
NO-LOAD VOLTAGE (V)	66
OUTPUT CURRENT RANGE (A)	20 - 300
RATE INPUT CURRENT (A)	14.4
POWER FACTOR	0.93
NET WEIGHT (KG)	13.5
DIMENSION (INCH)	20 x 8 x 15
PLATE THICKNESS (MM)	2.0 - 10.0
ELECTRODE SIZE (MM)	2.0 - 4.0



ARC 300 L

1&2 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V/415V±15%
INPUT POWER CAPACITY (KVA)	9.4
NO-LOAD VOLTAGE (V)	66
OUTPUT CURRENT RANGE (A)	20 - 300
RATE INPUT CURRENT (A)	14.4
POWER FACTOR	0.93
NET WEIGHT (KG)	13.5
DIMENSION (INCH)	20 x 8 x 15
PLATE THICKNESS (MM)	2.0 - 10.0
ELECTRODE SIZE (MM)	2.0 - 4.0



ARC 300	3 Phase	MOSFET
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	9.4	
NO-LOAD VOLTAGE (V)	66	
OUTPUT CURRENT RANGE (A)	20 - 300	
RATE INPUT CURRENT (A)	14.4	
POWER FACTOR	0.93	
NET WEIGHT (KG)	13.5	
DIMENSION (INCH)	20 x 8 x 15	
PLATE THICKNESS (MM)	2.0 - 10.0	
ELECTRODE SIZE (MM)	2.0 - 4.0	



ARC 400 GLT	1&2 Phase	IGBT
INPUT VOLTAGE (V)	AC230V/415±15%	
INPUT POWER CAPACITY (KVA)	16	
NO-LOAD VOLTAGE (V)	68	
OUTPUT CURRENT RANGE (A)	30 - 400	
RATE INPUT CURRENT (A)	27.7	
POWER FACTOR	0.93	
NET WEIGHT (KG)	13.5	
DIMENSION (INCH)	18 x 9 x 15	
PLATE THICKNESS (MM)	2.0 - 16.0	
ELECTRODE SIZE (MM)	2.0 - 5.2	



ARC 400	3 Phase	MOSFET
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	18.2	
NO-LOAD VOLTAGE (V)	68	
OUTPUT CURRENT RANGE (A)	30 - 400	
RATE INPUT CURRENT (A)	27.7	
POWER FACTOR	0.93	
NET WEIGHT (KG)	24.5	
DIMENSION (INCH)	22.5 x 12 x 20	
PLATE THICKNESS (MM)	2.0 - 20.0	
ELECTRODE SIZE (MM)	2.0 - 5.0	



ARC 400 CI	3 Phase	IGBT Module
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	18.2	
NO-LOAD VOLTAGE (V)	68	
OUTPUT CURRENT RANGE (A)	30 - 400	
RATE INPUT CURRENT (A)	17	
POWER FACTOR	0.93	
NET WEIGHT (KG)	16	
DIMENSION (INCH)	19.5 x 9.5 x 17.5	
PLATE THICKNESS (MM)	2.0 - 20.0	
ELECTRODE SIZE (MM)	2.0 - 5.0	



ARC 400 BIJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	18.2
NO-LOAD VOLTAGE (V)	68
OUTPUT CURRENT RANGE (A)	30 - 400
RATE INPUT CURRENT (A)	17
POWER FACTOR	0.93
NET WEIGHT (KG)	18
DIMENSION (INCH)	19.5 x 9.5 x 17.5
PLATE THICKNESS (MM)	2.0 - 25.0
ELECTRODE SIZE (MM)	2.0 - 5.0



ARC 400 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	18
NO-LOAD VOLTAGE (V)	68
OUTPUT CURRENT RANGE (A)	30 - 400
RATE INPUT CURRENT (A)	17
POWER FACTOR	0.93
NET WEIGHT (KG)	26
DIMENSION (INCH)	21.5 x 11 x 21.5
PLATE THICKNESS (MM)	2.0 - 40.0
ELECTRODE SIZE (MM)	2.0 - 6.0



ARC 630 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	36
NO-LOAD VOLTAGE (V)	85
OUTPUT CURRENT RANGE (A)	50 - 630
RATE INPUT CURRENT (A)	53.1
POWER FACTOR	0.93
NET WEIGHT (KG)	44
DIMENSION (INCH)	25.5 x 12 x 25
PLATE THICKNESS (MM)	2.0 - 60.0
ELECTRODE SIZE (MM)	2.0 - 6.3



MZ 1250 (SAW)	3 Phase	IGBT Module
INPUT VOLTAGE (V)	AC415V±15%	
NO-LOAD VOLTAGE (V)	76	
OUTPUT CURRENT RANGE (A)	112 - 1250	
RATE INPUT CURRENT (A)	89	
NO-LOAD LOSS (W)	300	
POWER FACTOR	0.93	
NET WEIGHT (KG)	85	
DIMENSION (INCH)	30 x 15 x 30.5	
PLATE THICKNESS (MM)	0.8 - 40.0	
SAW WIRE SIZE (MM)	3.2 - 6.0	



TIG 200 M	1 Phase	MOSFET
INPUT VOLTAGE (V)	AC230V±15%	
INPUT POWER CAPACITY (KVA)	6	
NO-LOAD VOLTAGE (V)	56	
OUTPUT CURRENT RANGE (A)	10 - 200	
RATE INPUT CURRENT (A)	28	
ARC IGNITION	HF	
POWER FACTOR	0.73	
NET WEIGHT (KG)	15	
DIMENSION (INCH)	20 x 8 x 18	
PLATE THICKNESS ALUM(MM)	-	
PLATE THICKNESS STEEL(MM)	0.3 - 4.0	



TIG / ARC 200	1 Phase	MOSFET
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INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	6/6
NO-LOAD VOLTAGE (V)	56
OUTPUT CURRENT RANGE (A)	7 - 200
RATE INPUT CURRENT (A)	28/43
ARC IGNITION	HF
POWER FACTOR	0.73
NET WEIGHT (KG)	9
DIMENSION (INCH)	15.5 x 6 x 12
PLATE THICKNESS (MM)	0.3-5.0 / 1.0-6.0
ELECTRODE SIZE (MM)	2.0 - 3.2



TIG / ARC 300

1 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	6.5/9.4
NO-LOAD VOLTAGE (V)	60
OUTPUT CURRENT RANGE (A)	7 - 300
RATE INPUT CURRENT (A)	9.6/14.4
ARC IGNITION	HF
POWER FACTOR	0.93
NET WEIGHT (KG)	19
DIMENSION (INCH)	20 x 8 x 15
PLATE THICKNESS (MM)	0.3-8.0 / 2.0-10.0
ELECTRODE SIZE (MM)	2.0 - 4.0



TIG / ARC 300

3 Phase

MOSFET

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	6.5/9.4
NO-LOAD VOLTAGE (V)	60
OUTPUT CURRENT RANGE (A)	7 - 300
RATE INPUT CURRENT (A)	9.6/14.4
ARC IGNITION	HF
POWER FACTOR	0.93
NET WEIGHT (KG)	19
DIMENSION (INCH)	20 x 8 x 15
PLATE THICKNESS (MM)	0.3-8.0 / 2.0-10.0
ELECTRODE SIZE (MM)	2.0 - 4.0



TIG / ARC 400 Sumo 3 Phase IGBT

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	13.1/18.2
NO-LOAD VOLTAGE (V)	65
OUTPUT CURRENT RANGE (A)	7 - 400
RATE INPUT CURRENT (A)	20/27.7
ARC IGNITION	HF
POWER FACTOR	0.93
NET WEIGHT (KG)	24
DIMENSION (INCH)	20.5 x 10.5 x 21.5
PLATE THICKNESS (MM)	0.5-12.0 / 2.0-20.0
ELECTRODE SIZE (MM)	2.0 - 5.0



TIG / ARC 400 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	13/18
NO-LOAD VOLTAGE (V)	68
OUTPUT CURRENT RANGE (A)	7 - 400
RATE INPUT CURRENT (A)	13.1/18.2
ARC IGNITION	HF
POWER FACTOR	0.93
NET WEIGHT (KG)	30
DIMENSION (INCH)	21.5 x 11 x 21.5
PLATE THICKNESS (MM)	0.5-12.0 / 2.0-40.0
ELECTRODE SIZE (MM)	2.0 - 6.0



TIG 200 P AC/DC

1 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	6
NO-LOAD VOLTAGE (V)	44
OUTPUT CURRENT RANGE (A)	5 - 200
RATE INPUT CURRENT (A)	32.5
ARC IGNITION	HF
POWER FACTOR	0.73
NET WEIGHT (KG)	28.5
DIMENSION (INCH)	19.5 x 13.5 x 14.5
PLATE THICKNESS ALUM(MM)	0.8 - 4.0
PLATE THICKNESS STEEL(MM)	0.3 - 5.0



TIG 315 BP AC/DC	3 Phase	MOSFET
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	8.9	
NO-LOAD VOLTAGE (V)	60	
OUTPUT CURRENT RANGE (A)	5 - 315	
RATE INPUT CURRENT (A)	13.6	
ARC IGNITION	HF	
POWER FACTOR	0.93	
NET WEIGHT (KG)	33	
DIMENSION (INCH)	22.5 x 14.5 x 18	
PLATE THICKNESS ALUM(MM)	0.8 - 12.0	
PLATE THICKNESS STEEL(MM)	0.3 - 12.0	



TIG 500 P AC/DC 3 Phase IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	18
NO-LOAD VOLTAGE (V)	54
OUTPUT CURRENT RANGE (A)	10 - 500
RATE INPUT CURRENT (A)	53
ARC IGNITION	HF
POWER FACTOR	0.93
NET WEIGHT (KG)	60
DIMENSION (INCH)	27 x 18 x 32
PLATE THICKNESS ALUM(MM)	0.8 - 30.0
PLATE THICKNESS STEEL(MM)	0.3 - 30.0



MIG / ARC 250 FS

1 Phase

MOSFET

INPUT VOLTAGE (V)	AC230V±15%
INPUT POWER CAPACITY (KVA)	8.5
OUTPUT VOLTAGE ADJUSTMENT(V)	26.5
OUTPUT CURRENT RANGE (A)	50 - 250
WIRE FEEDER SPEED (MTR/MIN)	2.5 - 18
POWER FACTOR	0.93
NET WEIGHT (KG)	21
DIMENSION (INCH)	20 x 8 x 15
MIG WIRE DIAMETER (MM)	0.6 - 1.0



MIG / ARC 250 F

3 Phase

MOSFET

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	8.5
OUTPUT VOLTAGE ADJUSTMENT(V)	26.5
OUTPUT CURRENT RANGE (A)	50 - 250
WIRE FEEDER SPEED (MTR/MIN)	2.5 - 18
POWER FACTOR	0.93
NET WEIGHT (KG)	21
DIMENSION (INCH)	20 x 8 x 15
MIG WIRE DIAMETER (MM)	0.6 - 1.0



MIG / ARC 4000 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	14
OUTPUT VOLTAGE ADJUSTMENT(V)	31.5
OUTPUT CURRENT RANGE (A)	50 - 400
WIRE FEEDER SPEED (MTR/MIN)	3 - 24
POWER FACTOR	0.93
NET WEIGHT (KG)	36
DIMENSION (INCH)	21.5 x 11 x 21.5
MIG WIRE DIAMETER (MM)	0.8 - 1.2



MIG / ARC 630 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	35
OUTPUT VOLTAGE ADJUSTMENT(V)	44
OUTPUT CURRENT RANGE (A)	80 - 630
WIRE FEEDER SPEED (MTR/MIN)	3 - 24
POWER FACTOR	0.93
NET WEIGHT (KG)	50
DIMENSION (INCH)	25.5 x 12 x 25
MIG WIRE DIAMETER (MM)	0.8 - 1.6



CUT 40	1 Phase	MOSFET
INPUT VOLTAGE (V)	AC230V±15%	
INPUT POWER CAPACITY (KVA)	6.6	
NO-LOAD VOLTAGE (V)	253	
OUTPUT CURRENT RANGE (A)	15 - 40	
RATE INPUT CURRENT (A)	30	
POWER FACTOR	0.73	
AIR PRESSURE (KG)	4 - 5	
NET WEIGHT (KG)	9	
DIMENSION (INCH)	15.5 x 6 x 12	
CUTTING THICKNESS (MM)	0.3 - 6.0	



CUT 70	3 Phase	MOSFET
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	7.8	
NO-LOAD VOLTAGE (V)	240	
OUTPUT CURRENT RANGE (A)	20 - 70	
RATE INPUT CURRENT (A)	12	
POWER FACTOR	0.93	
AIR PRESSURE (KG)	4 - 5	
NET WEIGHT (KG)	19	
DIMENSION (INCH)	20 x 8 x 15	
CUTTING THICKNESS (MM)	0.3 - 12.0	



CUT 100 IJ	3 Phase	IGBT Module
INPUT VOLTAGE (V)	AC415V±15%	
INPUT POWER CAPACITY (KVA)	15.1	
NO-LOAD VOLTAGE (V)	290	
OUTPUT CURRENT RANGE (A)	20 - 100	
RATE INPUT CURRENT (A)	23.1	
POWER FACTOR	0.93	
AIR PRESSURE (KG)	4 - 5	
NET WEIGHT (KG)	36.5	
DIMENSION (INCH)	21.5 x 11 x 21.5	
CUTTING THICKNESS (MM)	1.0 - 30.0	



CUT 160 IJ

3 Phase

IGBT Module

INPUT VOLTAGE (V)	AC415V±15%
INPUT POWER CAPACITY (KVA)	29
NO-LOAD VOLTAGE (V)	320
OUTPUT CURRENT RANGE (A)	20 - 160
RATE INPUT CURRENT (A)	44.3
POWER FACTOR	0.93
AIR PRESSURE (KG)	4 - 6
NET WEIGHT (KG)	60
DIMENSION (INCH)	26.5 x 13 x 20
CUTTING THICKNESS (MM)	1.0 - 45.0