

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 $\pm$ 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 $\pm$ 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 $\pm$ 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 $\pm$ 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
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 $\pm$ 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 $\pm$ 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