



DOM FHA MACHINE IND. CO., LTD.

No. 136, Sec. 3, Pei Shin Rd., Tamshui Taipei Taiwan R.O.C.

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Hydraulic Ironworker



HIW-40

Capacity : 40 Ton

- 4 work stations
- Single cylinder design
- Heavy-duty machine construction form high quality steel
- Easy change punch holder, ring, and adapters
- Swing away punch stripper unit
- Universal die bolster
- Heavy-duty support tables with guides at shear & punch station.
- Robust quick adjusting plate hold downs
- Low power inch mode and adjustable stroke
- Switch selection between punching and shearing station
- Single-phase execution available
- Automatic overload relief on hydraulic system
- Comprehensive safety guards to all work station
- Operation via single footswitch
- Service toolkit
- Instruction, operating and maintenance manual
- Full tank hydraulic fluid



HIW-45 / 60

Capacity : 45 / 60 Ton

- 5 work stations
- Single cylinder design
- Heavy-duty machine construction form high quality steel
- Easy change punch holder, ring, and adapters
- Swing away punch stripper unit
- Universal die bolster
- Heavy-duty support tables with guides at shear notch & punch station
- Robust quick adjusting plate hold downs
- Low power inch mode and adjustable stroke
- Switch selection between punching and shearing station
- The Unique 'Z' – aperture enables to cut angle iron on every angle, varying from 45° up to 90°, both internal and external (both flanges). Cutting flanges from large-sized angle-iron can be miter cut with the shear.
- Centralized pressure lubrication
- Single-phase execution available
- Automatic overload relief on hydraulic system
- Comprehensive safety guards to all work station
- Operation via single footswitch
- 1 meter ruled length stop
- Service toolkit
- Instruction, operating and maintenance manual
- Full tank hydraulic fluid



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Hydraulic Ironworker



HIW -80/100/125

Capacity : 80/100/125 Ton

- 5 work stations
- Dual cylinder design
- Heavy-duty machine construction form high quality steel
- Easy change punch holder, ring , and adapters
- Swing away punch stripper unit
- Universal die bolster
- Heavy-duty support tables with guides at shear station and notch station
- Heavy-duty punch table with guides and backstop
- Robust quick adjusting plate hold downs
- Power inching and adjustable strokes at punch & shear end
- Switch selection between punching and shearing station
- Centralized pressure lubrication
- Automatic overload relief on hydraulic system
- Comprehensive safety guards to all work station
- Shielded foot pedal control to both punch and shear ends
- 1 meter " touch & cut " ruled length stop
- Low voltage light
- Service toolkit
- Instruction, operating and maintenance manual
- Full tank hydraulic fluid

Hydraulic Ironworker

All dimensions are in mm

MODEL	HIW-40	HIW-45	HIW-60	HIW-80	HIW-100	HIW-125
☉ Punching						
Rated capacity	40 Ton	45 Ton	60 Ton	80 Ton	100 Ton	125 Ton
Maximum capacity	20 x 15	22 x 15	28 x 15	28 x 20	27 x 25	35 x 25
Diameter x thickness	38 x 8	38 x 8	38 x 11	57 x 10	57 x 12	57 x 16
Stroke length	32	50	55	55	80	80
Speed - 20 mm travel	23 cycles/min	20 cycles/min	26 cycles/min	25 cycles/min	28 cycles/min	24 cycles/min
Standard throat depth	175	175	220	305	355	400
Deep throat model	—	—	—	625	625	625
Largest hole (standard)	38	38	38	57	57	57
Largest hole (optional)	57	110	110	160	160	225
Max. section flange punch	—	102	102	305	305	305
Working height	1075	940	940	1087	1039	1065
☉ Shearing						
Flat bar - max. thickness	200 x 13	200 x 15	200 x 20	300 x 20	380 x 20	330 x 25
Flat bar - max. width	350 x 6	300 x 12	300 x 15	450 x 15	480 x 15	660 x 16
Length of blade	352.5	317.5	317.5	483	610	620
Angle flange trim - max 45°	80 x 10	80 x 10	80 x 10	100 x 15	120 x 15	120 x 15
Working height	1075	940	940	890	890	890
☉ Angle cutting						
90° cut	80 x 8	100 x 10	127 x 12	150 x 13	150 x 15	160 x 14
45° miter (true int. / ext.)	50 x 6	70 x 6	80 x 8	70 x 10	80 x 10	80 x 10
Working height	1210	1140	1140	1155	1155	1195
☉ Section cutting						
Round / Square	30 / 25	30 / 30	40 / 35	45 / 45	50 / 50	60 / 50
Channel / beam (optional)	76 x 38	80 x 45	102 x 51	130 x 65	160 x 90	200 x 100
Tee (optional)	38 x 6	40 x 7	76 x 10	90 x 12	100 x 12	120 x 12
Working height	1140	1135	1140	1175	1170	1170
☉ Notching						
Material thickness	—	8	10	12	13	13
Width - rectangle	—	35	42	40	52	60
Depth - rectangle	—	75	100	90	100	100
Depth - vee	—	60	60	60	70	80
Angle flange - max. profile	—	80 x 8	100 x 10	100 x 10	100 x 13	100 x 13
Working height	—	940	940	890	890	850
☉ Technical data						
Motor power	5 HP	5 HP	5.5 HP	10 HP	10 HP	10 HP
Net weight	570 kg	1100 kg	1300 kg	2000 kg	2900 kg	3700 kg
Gross weight	640 kg	1200 kg	1450 kg	2200 kg	3100 kg	3900 kg
Machine dim. (LxWxH), cm	106 x 55 x 148	145 x 59 x 162	152 x 59 x 170	176 x 71 x 183	190 x 79 x 191	224 x 96 x 204
Packed dim. (LxWxH), cm	122 x 64 x 159	159 x 86 x 182	177 x 86 x 186	191 x 86 x 200	205 x 94 x 209	

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All dimensions are in mm

MODEL	HIW-40	HIW-45	HIW-60	HIW-80	HIW-100	HIW-125
<i>OPTION ACCESSORIES</i>						
☉ Corner notch						
Max. capacity	—	150 sq x 3	150 sq x 4	250 sq x 6	250 sq x 6	250 sq x 6
☉ Tube notch						
Max. outside diameter	40	60	60	83	108	108
☉ Bending						
Bar bend max. capacity	80 x 10	100 x 12	150 x 12	250 x 15	250 x 20	250 x 22
Sheet bend max. capacity	—	—	—	500 x 3	500 x 3	700 x 3
☉ Punching at notch station						
Throat depth	—	85	110	125	125	125
Max. capacity	—	18 x 12	200 x 12	38 x 8	380 x 10	38 x 12

** Based on material strength of 450 N/mm² tensile.

** Design and specification subject to change without notice.