

Operation and Maintenance Manual

K.R. WILSON

HYDRAULIC PRESS

TONNAGE: 25 - 50 - 60 - 75 - 100

MODEL: 37 - 37E - 37G - 37F - 37K

SER. NO.: _____

CUSTOMER

Above information should accompany all orders for parts or service.

SPECIFICATION DESCRIPTION		25 TON MODEL 37	50 TON MODEL 37E	60 TON MODEL 37G	75 TON MODEL 37F	100 TON MODEL 37K
Cylinder Working Pressure		2550	5100	6100	5300	5200
Cylinder Bore Diameter		5	5	5	6	7
Press Capacity in Tons		25	50	60	75	100
Cylinder Rod Diameter		2½	2½	2½	2 15/16	2 15/16
Table Travel		40	40	40	35	36
Mechanical Press Capacity in Tons		3	3	3	3	3
Mechanical Press Leverage Ratio	Standard	38:1	38:1	38:1	38:1	38:1
	Government	48:1	48:1	48:1	48:1	48:1
Table Pin Diameter		7/8	1 1/8	1 1/8	1 1/4	1 1/2
Crown & Table Plate Size		3/4x6	1x 13	1x13½	1x 15	1½x16 3/4
Frame Upright Size		3/4x2	1x 2½	1x 2½	1½x 3	1½x 4
Single Pump Output/Stroke in Cu.In.		.841	.841	.841	.841	.841
Double Pump Output/Stroke in Cu.In.		2.053	2.053	2.053	2.053	2.053
Pump Plunger Travel		2 3/4	2 3/4	2 3/4	2 3/4	2 3/4

DIMENSION	DESCRIPTION	25 TON MODEL 37	50 TON MODEL 37E	60 TON MODEL 37G	75 TON MODEL 37F	100 TON MODEL 37K
A	OVERALL LEFT TO RIGHT	49 1/4	54	62	69	78 1/4
B	OVERALL HEIGHT		83	83	81 3/4	99
C	FLOOR MOUNTING SURFACE FRONT TO BACK	30	30	30	36	36
D	FLOOR MOUNTING HOLE SPACING FRONT TO BACK	28	28	28	32	32
E	FLOOR MOUNTING SURFACE LEFT TO RIGHT	34 1/4	42	47 1/4	56	61 1/2
F	MOUNTING HOLE SPACING LEFT TO RIGHT	31 1/2	39 1/4	44 1/2	51 3/4	57 1/4
G	STROKE	7 1/2	7 1/2	7 1/2	7 1/2	13 1/4
H	MINIMUM DAYLIGHT		4 5/8	4 5/8		
J	MAXIMUM DAYLIGHT		44 5/8	44 5/8		
K	MINIMUM WORKHEIGHT	9 3/4	15 1/4	15 1/4	17 3/8	18 7/8
L	BED ADJUSTMENT INCREMENTS (SMALL)	4	4	4	4	4
M	DISTANCE BETWEEN UPRIGHTS LEFT TO RIGHT	24 1/4	31	36 1/4	42	45 1/2
N	DISTANCE BETWEEN UPRIGHTS FRONT TO BACK	5 1/2	6	6	6 1/2	8
P	TABLE DEPTH FRONT TO BACK	8 5/8	10 1/8	10 1/8	11 1/8	13 5/8
Q	DISTANCE BETWEEN TABLE PLATES	7 1/8	8 1/8	8 1/8	9 1/8	11 1/8
R	FLOOR MOUNTING HOLE DIAMETER	17/32	17/32	17/32	17/32	17/32
S	FRAME OVERALL HEIGHT	66 1/4	79 3/8	79 7/8	80 1/4	87 1/2
T	FRAME OVERALL WIDTH LEFT TO RIGHT	28 1/4	36	41 1/4	48	53 1/2
U	OVERALL PRESS DEPTH FRONT TO BACK	46	46	46	49 1/2	50 1/4
V	PUMP HANDLE HEIGHT	35 1/4	35 1/4	35 1/4	35 1/4	35 1/4
W	WINCH HEIGHT	36 3/4	36 3/4	36 3/4	36 3/4	36 3/4
X	MOUNTING HOLE LOCATION	1 3/8	1 3/8	1 3/8	1 7/8	1 7/8
Y	MOUNTING HOLE LOCATION	1	1	1	2	2
Z	CYLINDER MOUNTING SURFACE TO END OF RETRACTED RAM		6 1/2	6 1/2		
AA	BED ADJUSTMENT INCREMENTS (LARGE)	8	N/A	N/A	7	N/A
BB	HANDWHEEL SHAFT					
	LENGTH					
CC	RADIUS OF (EXTENDED) HANDWHEEL SHAFT	STANDARD	24	24	24	24
		GOVERNMENT	34	34	34	34
DD	RADIUS OF (EXTENDED) HANDWHEEL SHAFT	STANDARD	21 1/4	21 1/4	21 1/4	21 1/4
		GOVERNMENT	31 1/4	31 1/4	31 1/4	31 1/4
DD	HANDWHEEL HEIGHT		62 1/2	62 1/2	60 1/2	65 1/2

