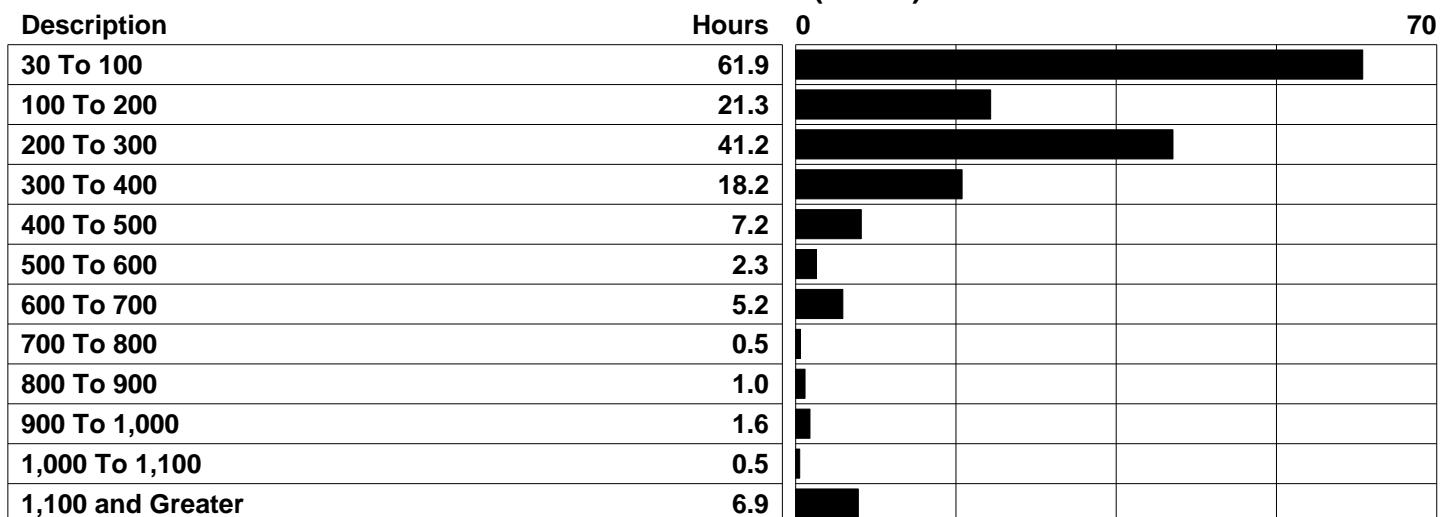
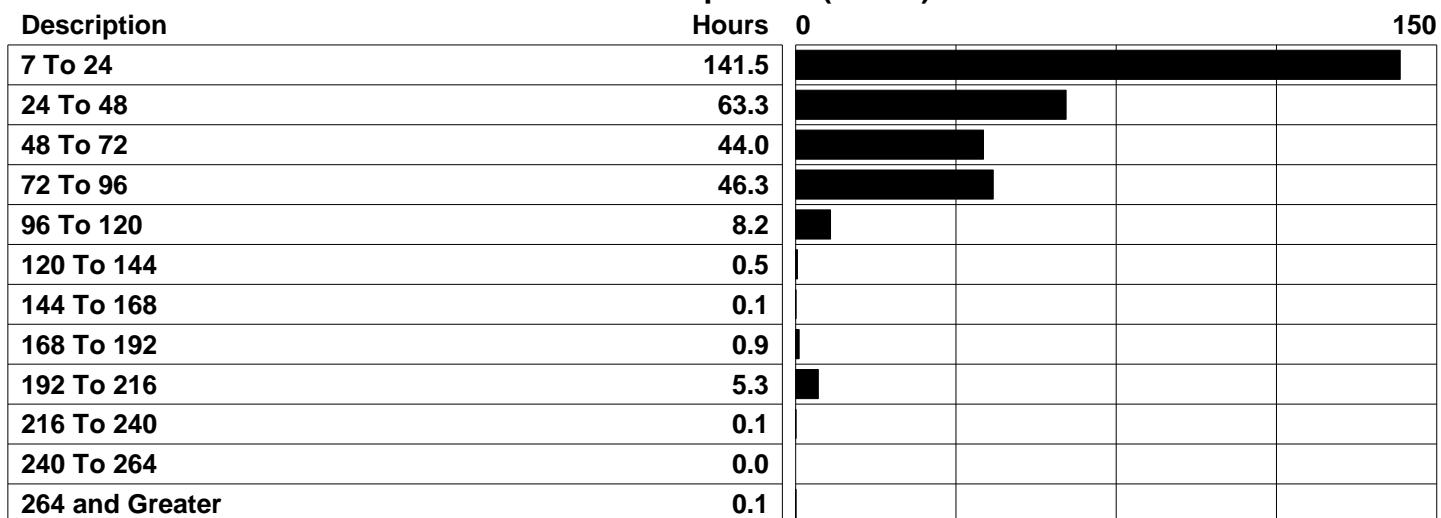


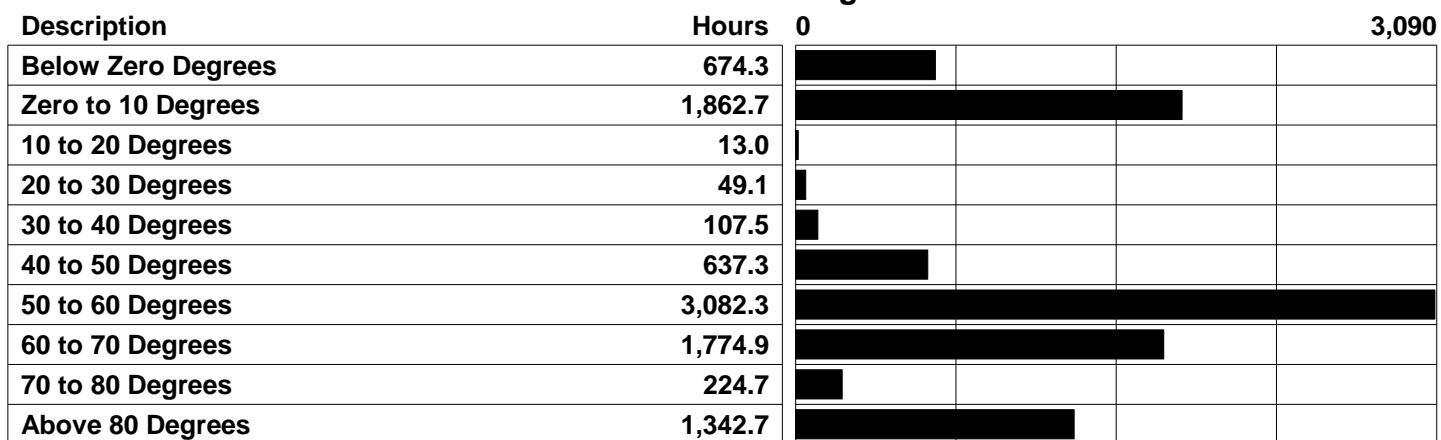
Load on Aux Hook (TONS)



Load on Whip Hook (TONS)



Hours at Boom Angle



### Hours at Swing Angle

Description	Hours	0	5,830
Zero to 45 Degrees	5,823.2		
45 to 90 Degrees	602.5		
90 to 135 Degrees	163.5		
135 to 180 Degrees	773.9		
180 to 225 Degrees	429.3		
225 to 270 Degrees	237.5		
270 to 315 Degrees	174.4		
315 to 360 Degrees	1,475.4		

### Hours at Wind Speed (FT/SEC)

Description	Hours	0	9,770
0 to 10	9,767.9		
10 to 20	0.1		
20 to 30	0.0		
30 to 40	0.0		
40 to 50	0.0		
Above 50	0.0		

### Main Hook Travel (FT) at Load (TONS)

Description	Travel	0	610
360 To 1,200	608.6		
1,200 To 2,400	38.2		
2,400 To 3,600	52.3		
3,600 To 4,800	6.3		
4,800 To 6,000	0.0		
6,000 To 7,200	0.0		
7,200 To 8,400	0.0		
8,400 To 9,600	0.0		
9,600 To 10,800	0.0		
10,800 To 12,000	0.0		
12,000 To 13,200	0.0		
13,200 and Greater	0.0		

**Aux Hook Travel (FT) at Load (TONS)**

Description	Travel	0	940
75 To 250	933.8		
250 To 500	704.3		
500 To 750	116.6		
750 To 1,000	7.3		
1,000 To 1,250	3.3		
1,250 To 1,500	0.0		
1,500 To 1,750	0.0		
1,750 To 2,000	0.0		
2,000 To 2,250	0.0		
2,250 To 2,500	0.0		
2,500 To 2,750	0.0		
2,750 and Greater	0.0		

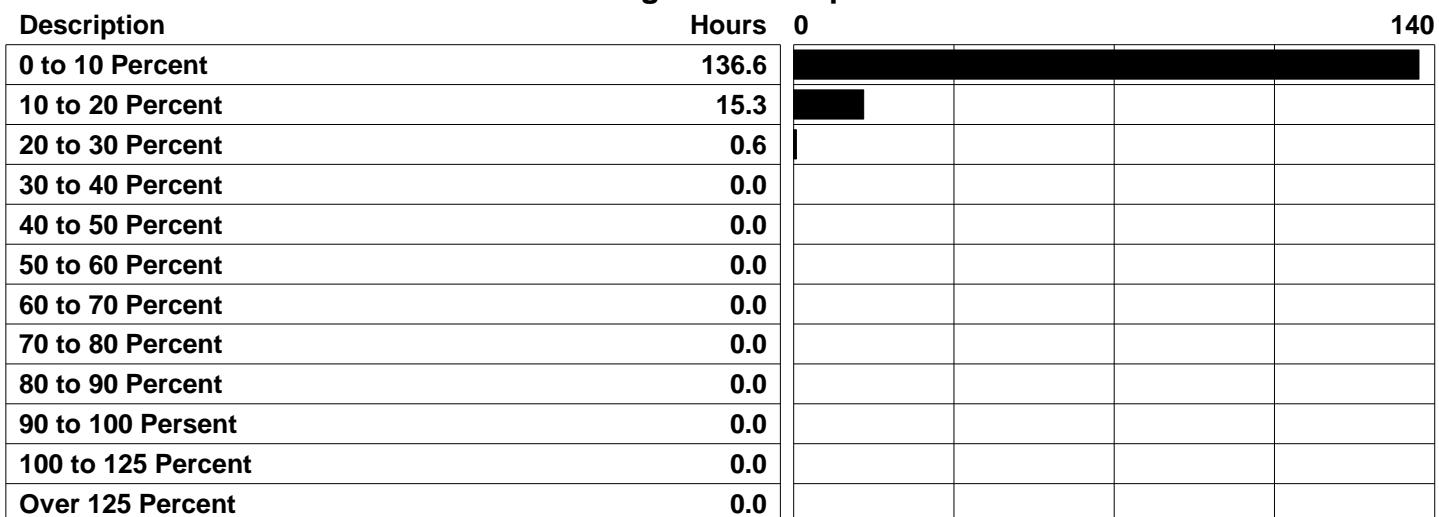
**Whip Hook Travel (FT) at Load (TONS)**

Description	Travel	0	13,390
18 To 60	12,132.8		
60 To 120	13,389.3		
120 To 180	31.0		
180 To 240	7.6		
240 To 300	1.8		
300 To 360	0.3		
360 To 420	0.0		
420 To 480	0.0		
480 To 540	0.0		
540 To 600	0.0		
600 To 660	0.0		
660 and Greater	0.0		

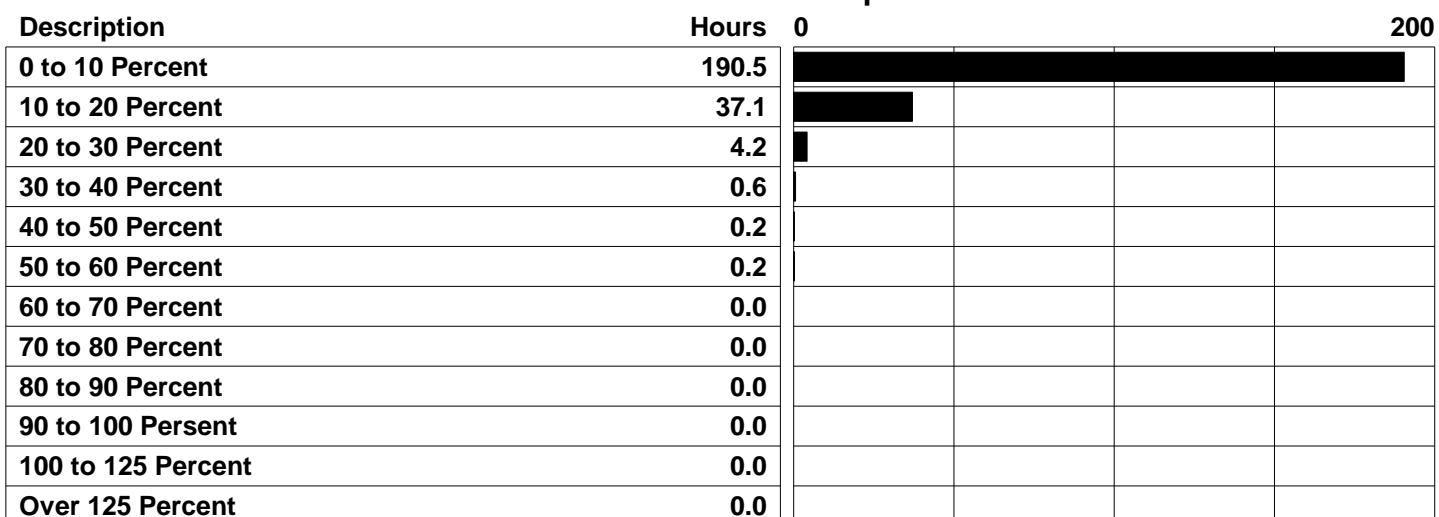
**Boom Hoist Motor Torque**

Description	Hours	0	10
0 to 10 Percent	0.0		
10 to 20 Percent	0.0		
20 to 30 Percent	0.0		
30 to 40 Percent	0.0		
40 to 50 Percent	0.0		
50 to 60 Percent	0.0		
60 to 70 Percent	0.0		
70 to 80 Percent	0.0		
80 to 90 Percent	0.0		
90 to 100 Percent	0.0		
100 to 125 Percent	0.0		
Over 125 Percent	0.0		

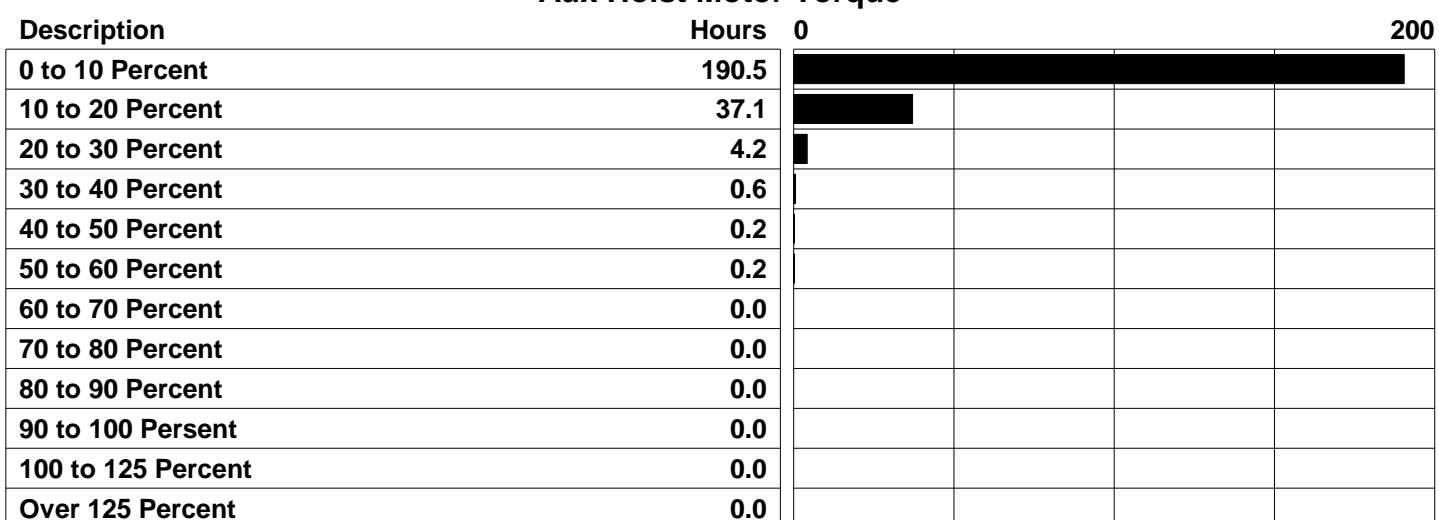
### Swing Motor Torque



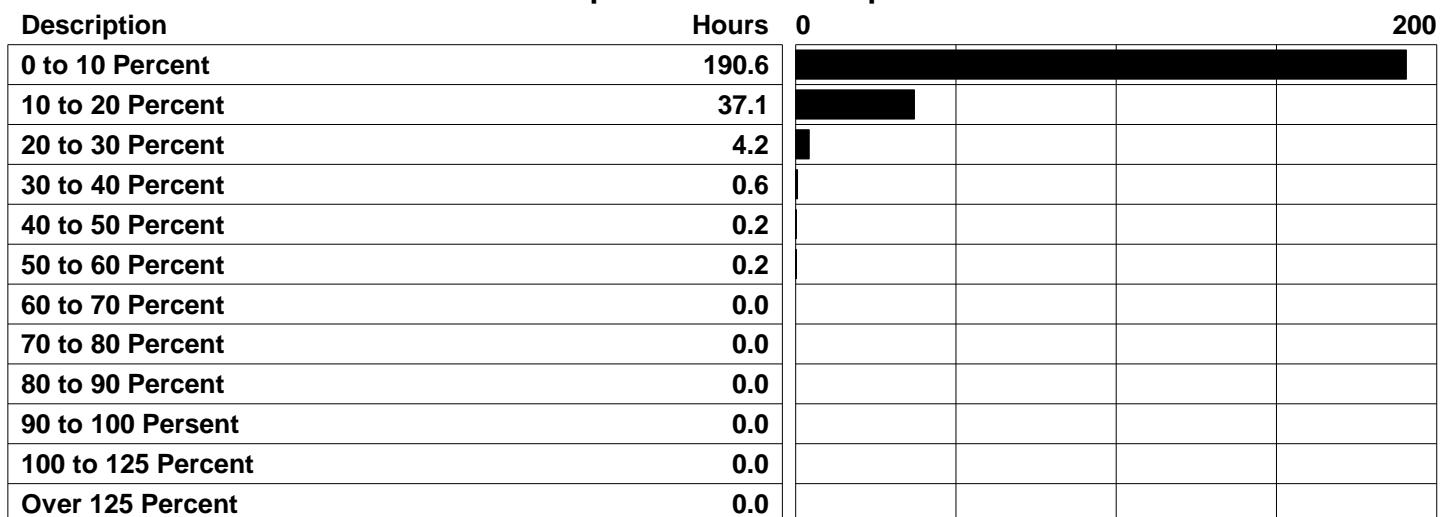
### Main Hoist Motor Torque



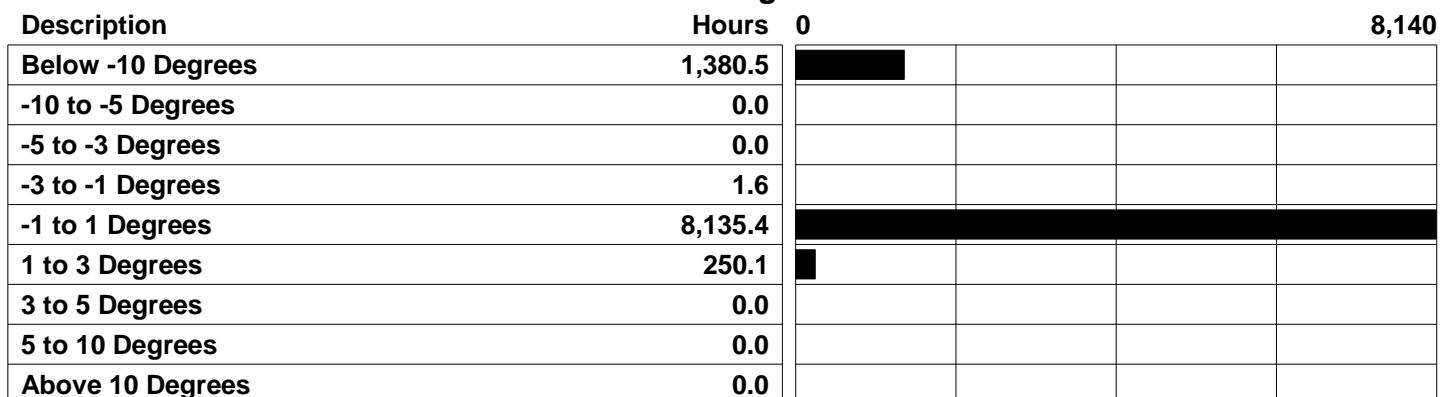
### Aux Hoist Motor Torque



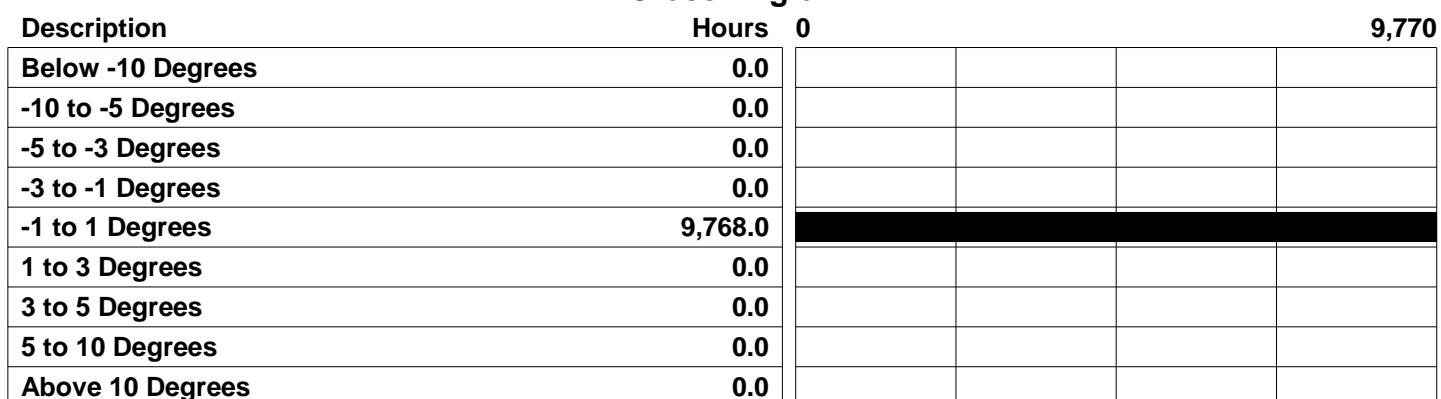
Whip Hoist Motor Torque



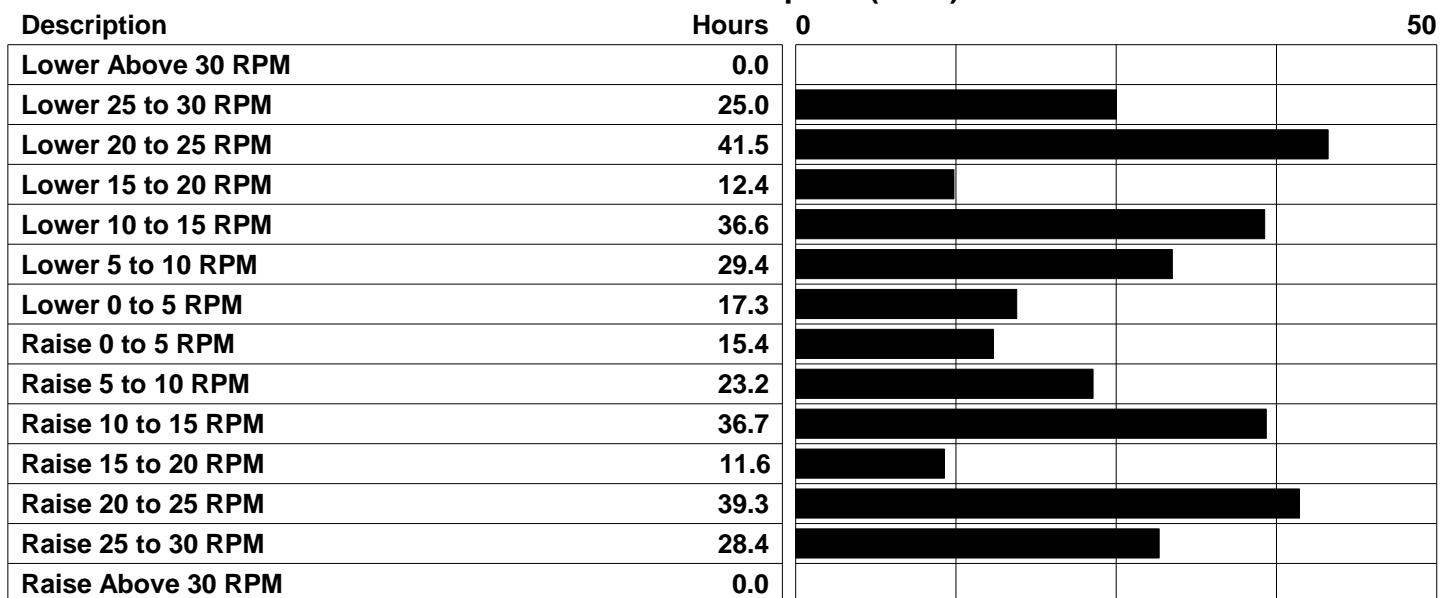
Heel Angle



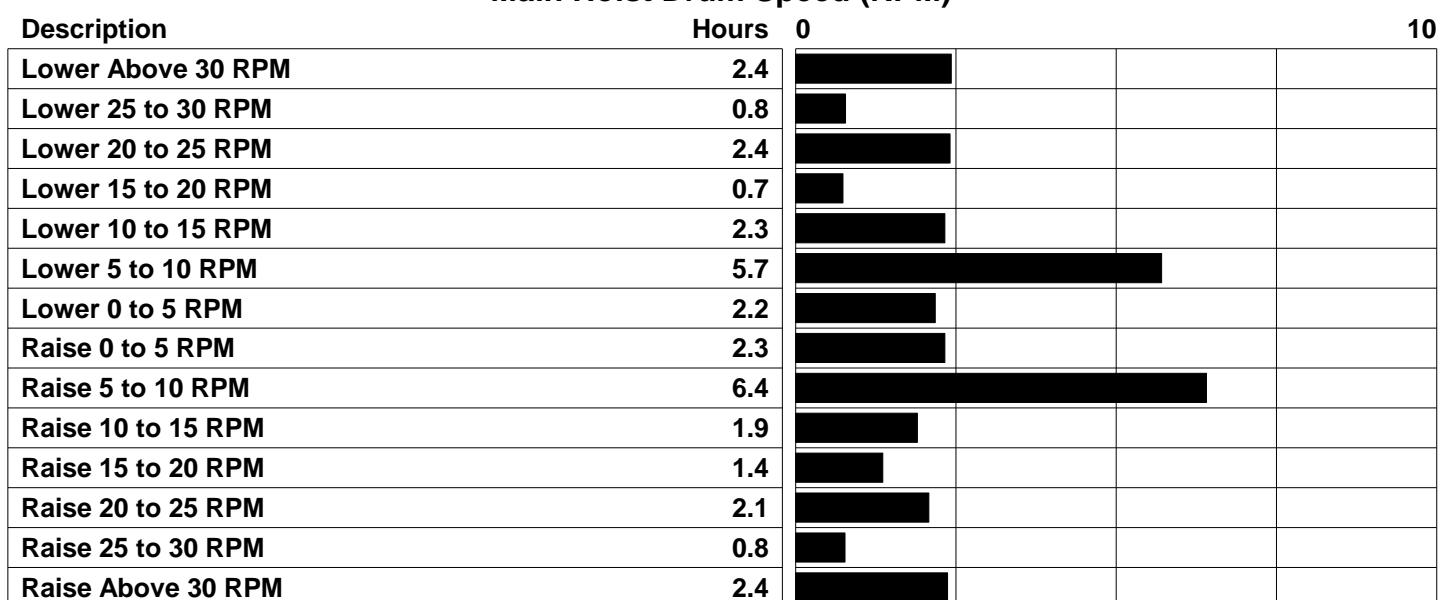
Cross Angle



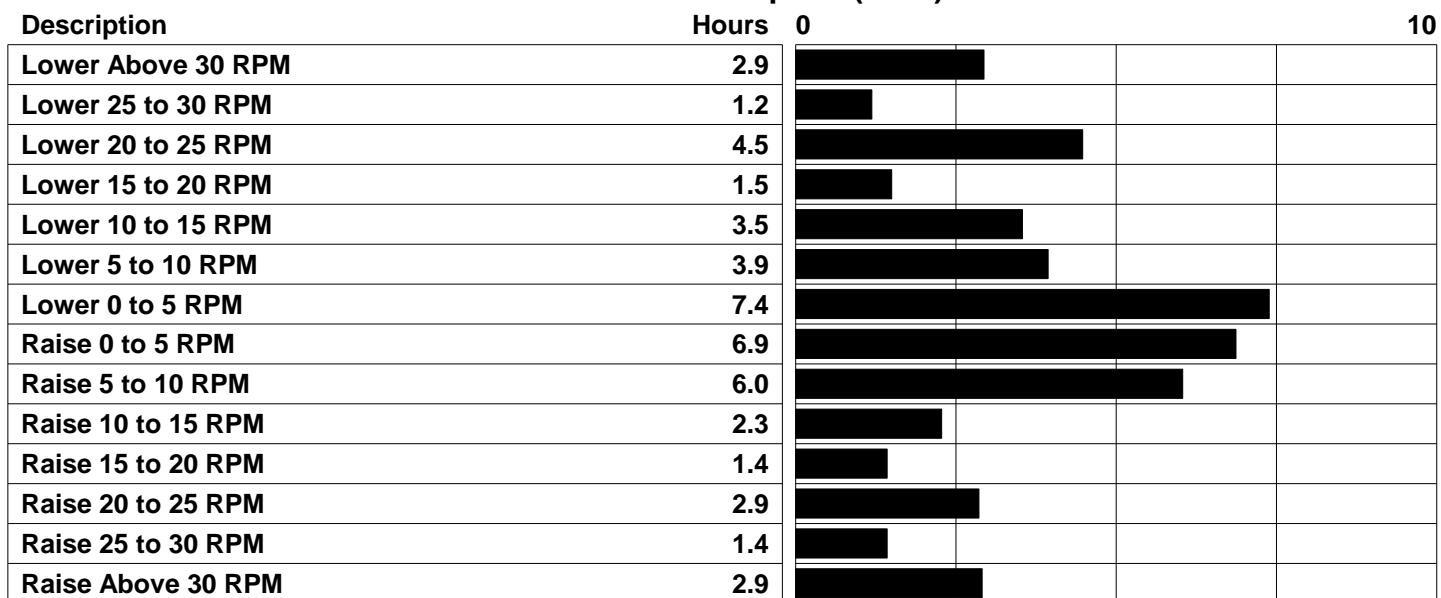
Boom Hoist Drum Speed (RPM)



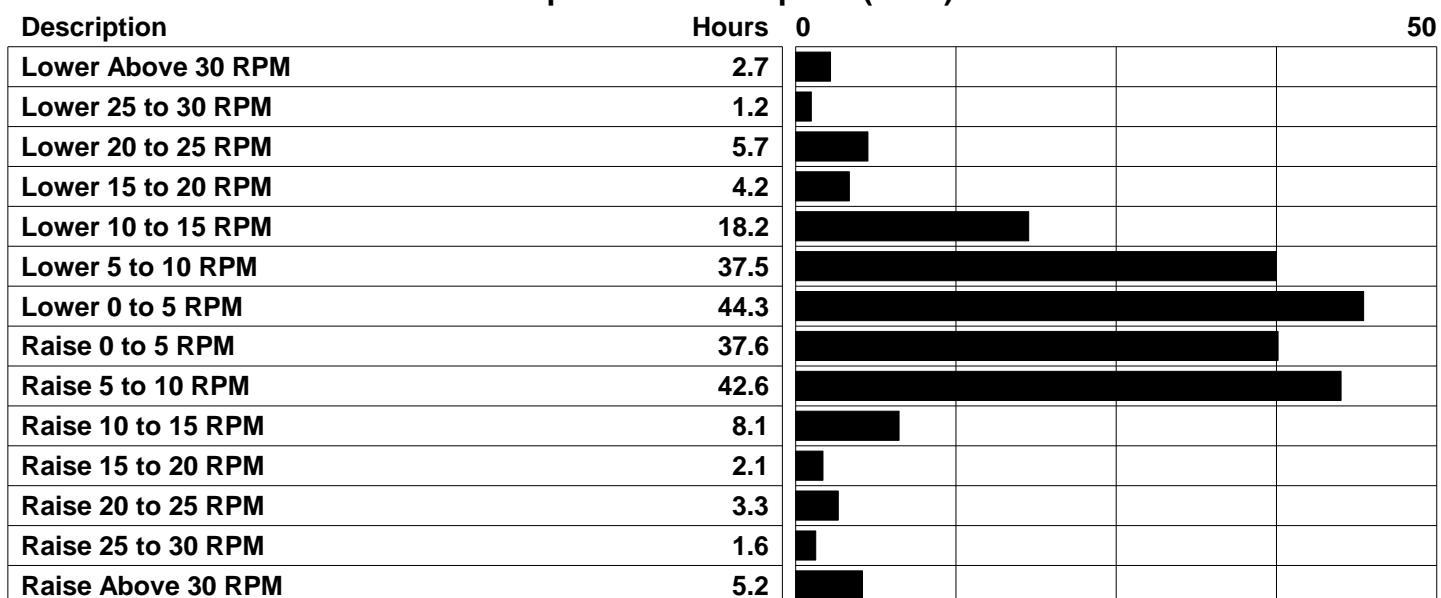
Main Hoist Drum Speed (RPM)



**Aux Hoist Drum Speed (RPM)**



**Whip Hoist Drum Speed (RPM)**



Swing Rotation Speed (RPM)

