

The 350 Wheeled Material Handler combines the Cat® 350 MH base machine upper components with a Pierce Pacific self propelled wheeled carrier (powered by a Caterpillar® 3306B engine) to provide the scrap and material handler customer with a highly mobile, purpose-built material handler.

Note: For standard specifications and features, refer to the standard Caterpillar specalog for this machine.

Cat 350 MH Upper		
Cat 3306 DIT ATAAC Engine	213 kW	286 hp
Operating Weight	68 812 kg	151,800 lbs
Travel Speed	19 km/h	12 mph
Cat Special Material Handling Li	nkage Arrangeme	nts
Three-Piece	17.1 m	56'3"
Two-Piece	16.5 m	54'2"
Cat Cab Riser	1.9 m	6'5"

### **Two and Three-Piece Cat Designed and Built Fronts**

A choice between two fronts for the 350 MH to meet your application needs.





**350 MH two and three-piece fronts by Caterpillar** meet all your application needs with excellent reach, flexibility and lift performance.

**The Cat two-piece front** offers a maximum horizontal reach of 16.5 m (54'2") from swing center and a maximum vertical pin height of 15.4 m (50'7") at 10 m (32'10") from the swing center.

**The Cat three-piece front** offers a maximum horizontal reach of 17.1 m (56'3") from swing center and a maximum vertical pin height of 16.8 m (55'3") at 8.9 m (29'3") from the swing center.

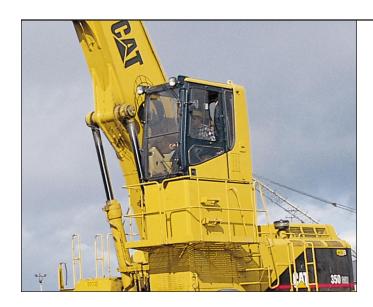
**Booms, sticks, and jib** are built for performance and long service life.

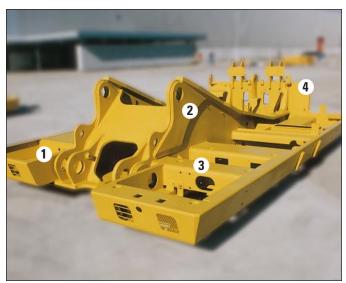
- Efficient design of welded boxsection structures with thick, multiplate fabrications in high stress areas allows structures to flex, dissipating stresses and maximizing strength.
- Stress relieving booms and sticks maximizes strength and minimizes structure weight.

**Cat two and three-piece fronts** are an excellent match for feeding shredders and shears when equipped with a 1.5 cu. m (2 cu. yd) four tine scrap grapple.

#### The Caterpillar 350 Material Handler (MH)

Tough, dependable, and loaded with performance-improving features.





The 350 MH arrangement is available with the following features:

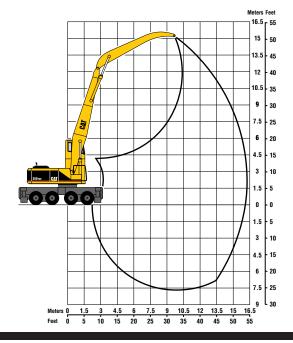
- Cat designed and built, 1.9 m (6'5") cab riser gets your operator to an operating height with excellent visibility for loading or unloading your processing equipment, trucks and rail cars. Access to the cab is provided by a platform which extends around the riser to allow windshield cleaning. The cab riser can also be tilted forward 90° for shipping and provides ready access to service the generator system.
- Cat Material Handler hydraulic systems are specifically designed to meet your hydraulic attachment requirements. The grapple open/close circuit works with the Proportional Priority Pressure Compensating (PPPC) valve to deliver smooth simultaneous multi-function control. The rotate circuit provides a separate 47 lpm (12.5 gpm) gear pump and fully adjustable control valve, allowing configuration to meet various grapple manufacturer's flow requirements. A separate fixed displacement axial piston pump is used to provide the hydraulic power to run a 33kW generator system.
- **The upper frame** is specifically designed for the scrap and material handling market. It is built of higher strength material and thicker steel sections to handle the increased swing loads developed with the longer fronts and heavier counterweights used in material handling.
  - 1 Larger bore diameters
  - 2 Thicker, more extensive boom foot support
  - 3 Increased cab support
  - 4 Larger counterweight gussets, stronger support plate
- **Special Counterweight.** The 350 MH is equipped with a counterweight which is over 70% heavier than the standard counterweight.
- Easy clean out cooling core. Cooling system designed for easy clean out when operating in debris laden environment.
- 33kW Generator Set, hydraulically driven and designed by Crane Systems, can power magnets up to 2.0 m (78 inches) in diameter. Baldor generator and Square D magnet controller are price list options and can be installed at the factory.

### **Working Range/Lift Chart – Two-Piece Front**

Machine equipped with 16.5 m (54'2") Cat two-piece MH front. Lift is hydraulically limited through 360° rotation with outriggers down.

Maximum reach at ground level	16.5 m	54'2"
Maximum height at 10.0 m (32'10")	15.6 m	51'3"

Lift capacities are all hydraulic limited and are stated at 87% of actual per SAE standard J1097.



## **Lift Capacities**

350 MH equipped with Cat 2-piece, 16.5 m (54' 2") Front





Load at Maximum Reach





Load Radius Over Side

<b>&gt;</b> -	<u>.</u>	3.0 m (	10.0 ft)	4.5 m (	15.0 ft)	6.0 m	(20.0 ft)	7.5 m (	25.0 ft)	9.0 m (	30.0 ft)	10.5 m	(35.0 ft)	12.0 m	(40.0 ft)	13.5 m	(45.0 ft)	15.0 m (50.0 ft)				
	↓																					m ft
15.0 m	kg																			8 000	8 000	10.44
50.0 ft	lb																			16,200	16,200	33.20
13.5 m	kg											10 500	10 500	7 700	7 700					7 600	7 600	12.06
45.0 ft	lb											19,700	19,700							15,200	15,200	38.90
12.0 m	kg													10 000	10 000					7 300	7 300	13.31
40.0 ft	lb											20,800	20,800	18,900	18,900					14,700	14,700	43.20
10.5 m	kg											10 700	10 700	10 000	10 000	9 200	9 200			7 200	7 200	14.30
35.0 ft	lb											20,900	20,900	19,500	19,500	16,900	16,900			14,400	14,400	46.60
9.0 m	kg											10 900	10 900	10 200	10 200	9 500	9 500	7 400	7 400	7 200	7 200	15.07
30.0 ft	lb											21,400	21,400		19,800	18,400	18,400			14,400	14,400	49.20
7.5 m	kg											11 300	11 300	10 400	10 400	9 600	9 600	8 900	8 900	7 300	7 300	15.65
25.0 ft	lb											22,100	22,100	20,200	20,200	18,600	18,600	16,900	16,900	14,500	14,500	51.20
6.0 m	kg									13 300	13 300	11 900	11 900	10 700	10 700	9 800	9 800	9 000	9 000	7 500	7 500	16.08
20.0 ft	lb									25,800	-	23,000	23,000		20,800	19,000	19,000	17,400	17,400	14,800	14,800	52.70
4.5 m	kg					20 300	20 300	16 600	16 600	14 200	14 200	12 400	12 400	11 100	11 100	10 000	10 000	9 100	9 100	7 700	7 700	16.35
15.0 ft	lb					39,400	39,400	32,300	32,300	27,500		24,000	24,000	21,400	21,400	19,300	19,300	17,500	17,500	15,300	15,300	53.60
3.0 m	kg			31 200	31 200	22 700	22 700	18 000	18 000	15 000	15 000	13 000	13 000	11 400	11 400	10 200	10 200	9 200	9 200	8 000	8 000	16.48
10.0 ft	lb			60,400	60,400	43,900	43,900	34,800	34,800	29,100	29,100	25,000	25,000	22,000	22,000	19,600	19,600	17,500	17,500	15,900	15,900	54.10
1.5 m	kg			15 300	15 300	24 400	24 400	19 100	19 100	15 700	15 700	13 400	13 400	11 700	11 700	10 300	10 300	9 200	9 200	8 100	8 100	16.47
5.0 ft	lb			32,500	32,500	47,100	47,100	36,800	36,800	30,300	30,300	25,700	25,700	22,400	22,400	19,700	19,700	17,500	17,500	15,700	15,700	54.10
0.0 m	kg			11 900	11 900	23 500	23 500	19 600	19 600	16 000	16 000	13 600	13 600	11 700	11 700	10 300	10 300	9 000	9 000	8 000	8 000	16.33
0.0 ft	lb			24,600	24,600	48,100	48,100	37,700	37,700	30,800	30,800	26,100	26,100	22,500	22,500	19,600	19,600	17,100	17,100	15,400	15,400	53.60
-1.5 m	kg	8 000	8 000	11 600	11 600	19 000	19 000	19 400	19 400	16 000	16 000	13 500	13 500	11 600	11 600	10 100	10 100	8 700	8 700	7 800	7 800	16.04
-5.0 ft	lb			23,800	23,800	39,500	39,500	37,300	37,300	30,600	30,600	25,800	25,800	22,100	22,100	19,100	19,100	16,500	16,500	15,100	15,100	52.60
-3.0 m	kg	9 300	9 300	12 200	12 200	17 800	17 800	18 600	18 600	15 500	15 500	13 100	13 100	11 200	11 200	9 600	9 600	8 200	8 200	7 600	7 600	15.59
-10.0 ft	lb	18,700	18,700	24,900	24,900	36,800	36,800	35,600	35,600	29,500	29,500	24,900	24,900	21,300	21,300	18,200	18,200	15,300	15,300	14,600	14,600	51.10
-4.5 m	kg			13 000	13 000	17 700	17 700	17 200	17 200	14 500	14 500	12 300	12 300	10 500	10 500	8 900	8 900			7 300	7 300	14.99
-15.0 ft	lb			26,400	26,400	36,500	36,500	32,800	32,800	27,500	27,500	23,200	23,200	19,700	19,700	16,600	16,600			14,000	14,000	49.1
-6.0 m	kg					18 000	18 000	15 200	15 200	12 900	12 900	11 000	11 000	9 300	9 300	7 700	7 700			6 900	6 900	14.20
-20.0 ft	lb					33,900	33,900	28,700	28,700	24,400	24,400	20,600	20,600	17,300	17,300	14,000	14,000			13,100	13,100	46.40
-7.5 m	kg									10 800	10 800	9 200	9 200	7 600	7 600							
-25.0 ft	lb									20,000	20,000	16,900	16,900									

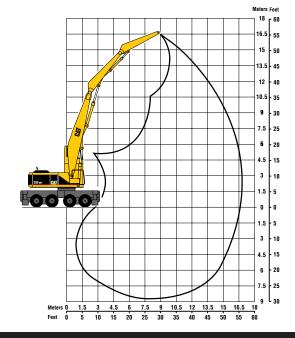
All points in above chart are limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097.Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

### **Working Range/Lift Chart – Three-Piece Front**

Machine equipped with 17.1 m (56'3") Cat three-piece MH front. Lift is hydraulically limited through 360° rotation with outriggers down.

Maximum reach at ground level	17.1 m	56'3"
Maximum height at 9.45 m (31')	17.0 m	55'11"

Lift capacities are all hydraulic limited and are stated at 87% of actual per SAE standard J1097.



## **Lift Capacities**

350 MH equipped with Cat 3-piece, 17.1 m (56' 3") Front





Load at Maximum Reach





Load Radius Over Side

15.0 m	<b>\</b>	_	4.5 m (	15.0 ft)	6.0 m	(20.0 ft)	7.5 m	(25.0 ft)	9.0 m (	30.0 ft)	10.5 m	(35.0 ft)	12.0 m	(40.0 ft)	13.5 m	(45.0 ft)	15.0 m	(50.0 ft)	16.5 m	(55.0 ft)	Ţ		•
		↓																					
35.0 ft   10.5 m	15.0 m	kg									8 200	8 200									6 700	6 700	11.76
	50.0 ft	lb									13,100	13,100									13,500	13,500	37.7
1.2.0 m   1.2.	13.5 m	kg									9 800	9 800	7 900	7 900							6 300	6 300	13.18
40.0 ft   1b	45.0 ft	lb									19,200	19,200	12,400	12,400							12,700	12,700	42.7
10.5 m   kg   35.0 ft   1b   1b   1b   1b   1b   1b   1b   1	12.0 m	kg									10 600	10 600	9 400	9 400	7 900	7 900					6 100	6 100	14.31
35.0 ft   16   16   17   18   18   18   18   18   18   18	40.0 ft	lb									19,500	19,500	18,400	18,400	12,100	12,100					12,200	12,200	46.5
S	10.5 m	kg							12 400	12 400	11 500	11 500	10 500	10 500	9 000	9 000	5 900	5 900			6 000	6 000	15.20
30.0 ft   1b   1b   1b   1b   1b   1b   1b   1	35.0 ft	lb									22,600	22,600	20,200	20,200	16,000	16,000					12,000	12,000	49.6
7.5 m   kg   25.0 ft   lb	9.0 m	kg							14 200	14 200	12 300	12 300	10 700	10 700	9 700	9 700	8 000	8 000			5 900	5 900	15.90
25.0 ft   1b   1b   1b   1b   1b   1c   1c   1c	30.0 ft	lb							27,600	27,600	23,700	23,700	21,000	21,000	18,800	18,800	11,800	11,800			11,800	11,800	52.0
6.0 m kg 20.0 ft lb 15.0 ft lb 15	7.5 m	kg							14 400	14 400	12 800	12 800	11 100	11 100	9 900	9 900	8 600	8 600			5 900	5 900	16.43
20.0 ft   Ib   No   No   No   No   No   No   No   N	25.0 ft	lb							27,900	27,900	24,700	24,700	21,000	21,000	18,800	18,800	12,100	12,100			11,900	11,900	53.8
4.5 m kg 10 400 10 400 21 100 21 100 17 700 17 10 15 100 15 100 13 000 13 000 11 300 13 000 19 900 990 890 890 770 770 6100 6100 6100 17.04 15.0 ft lb 21,600 21,600 22,000 22 000 18 300 18 300 15 300 15 300 13 000 13 000 13 000 13 000 19,000 16,800 16,800 12,400 12,400 12,400 12,200 55.9 10.0 ft lb 24,000 24,000 42,300 42,300 35,100 29,300 29,300 24,800 24,800 21,600 21,600 19,000 19,000 16,500 16,500 12,900 12,900 12,600 6500 6500 17.15 10.0 ft lb 17,100 17,100 32,900 32,900 35,900 35,900 35,900 29,600 29,600 29,600 25,300 25,300 21,700 21,700 18,800 18,800 18,800 16,000 13,500 12,500 12,500 56.1 10.0 ft lb 15,000 15,000 15,000 22,800 36,700 36,700 36,700 30,400 30,400 25,300 25,300 21,300 21,300 11,300 11,300 13,00	6.0 m	kg					17 200	17 200	14 700	14 700	12 900	12 900	11 300	11 300	10 000	10 000	8 900	8 900	6 000	6 000	6 000	6 000	16.81
15.0 ft   15.0	20.0 ft	lb					33,200	33,200	28,400	28,400	24,700	24,700	21,500	21,500	19,000	19,000	16,900	16,900	12,000	12,000	12,000	12,000	55.1
3.0 m kg 11 000 24 000 42,300 42,300 35,100 35,100 29,300 29,300 24,800 21,600 21,600 19,000 19,000 16,500 16,500 12,900 12,900 12,600 12,600 56.2  1.5 m kg 8 200 8 200 18 100 18 100 18 700 18 700 15 400 15 400 13 100 14 400 14 200 14 200 18 900 1	4.5 m	kg	10 400	10 400	21 100	21 100	17 700	17 700	15 100	15 100	13 000	13 000	11 300	11 300	9 900	9 900	8 900	8 900	7 700	7 700	6 100	6 100	17.04
10.0 ft   1b   24,000   24,000   42,300   42,300   35,100   35,100   29,300   29,300   24,8	15.0 ft	lb	21,600	21,600	26,900	26,900	34,600	34,600	29,000	29,000	24,800	24,800	21,500	21,500	19,000	19,000	16,800	16,800	12,400	12,400	12,200	12,200	55.9
1.5 m   kg   8 200   8 200   18 100   18 100   18 100   18 700   18 400   15 400   15 400   13 100   11 400   11 400   10 000   10 000   8 700   8 700   7 200   6 500   6 500   6 500   17.11   15.0 ft   lb   17,100   17,100   32,900   32,900   35,900   35,900   29,600   29,600   29,600   25,300   21,700   21,700   18,800   18,800   18,800   16,000   13,500   13,500   12,500   12,500   56.1   10.0 m   kg   7 800   7 800   1 9 100   1 9 100   1 9 100   1 8 800   1 8 800   1 8 800   1 1 500   1 1 1 500   1 1 500   1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 1 500   1 1 500   1 1 500   1 1 500   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.0 m	kg	11 000	11 000	22 000	22 000	18 300	18 300	15 300	15 300	13 000	13 000	11 300	11 300	9 900	9 900	8 800	8 800	7 500	7 500	6 300	6 300	17.15
5.0 ft         lb         17,100         17,100         32,900         32,900         35,900         29,600         29,600         25,300         21,300         21,700         18,800         18,800         18,000         16,000         16,000         13,500         12,500         56.1           0.0 m         kg         7 800         7 800         11 900         11 900         19 100         15 800         15 800         13 400         13 400         11 500         9 900         9 900         8 500         8 500         6 800         6 100         6 100         16,95           -1.5 m         kg         7 900         7 900         10 700         10 700         12,900         13,000         18,800	10.0 ft	lb	24,000	24,000	42,300	42,300	35,100	35,100	29,300	29,300	24,800	24,800	21,600	21,600	19,000	19,000	16,500	16,500	12,900	12,900	12,600	12,600	56.2
0.0 m kg 7 800 7 800 11 900 12,800 22,800 36,700 36,700 30,400 30,400 30,400 25,600 21,900 21,900 18,800 18,800 15,800 12,200 12,200 11,600 11,600 55.6  -1.5 m kg 7 900 7 900 10 700 10 700 10 700 10 900 15 900 15 900 15 900 15 900 15 900 15 900 10,000 10	1.5 m	kg	8 200	8 200	18 100	18 100	18 700	18 700	15 400	15 400	13 100	13 100	11 400	11 400	10 000	10 000	8 700	8 700	7 200	7 200	6 500	6 500	17.11
0.0 ft         lb         15,000         15,000         22,800         22,800         36,700         30,400         30,400         25,600         25,600         21,900         21,900         21,800         15,800         15,800         15,800         15,800         12,200         11,600         55.6           -1.5 m         kg         7 900         7 900         10 700         10 700         19 300         19 200         15 900         15 900         13 300         11 300         11 300         11 300         17,900         7 900         7 900         5 900         5 700         5 700         16.64           -5.0 ft         lb         15,600         15,600         23,800         23,800         36,500         30,300         25,300         25,300         21,300         17,900         17,900         14,600         14,600         14,600         10,600         10,600         10,600         16,46           -10.0 ft         lb         15,400         15,400         20,100         20,100         24,100         20,100         20,100         16,400         16,400         16,400         12,600         12,600         12,600         12,600         12,600         12,600         12,600         12,600         12,600 <t< td=""><td>5.0 ft</td><td>lb</td><td>17,100</td><td>17,100</td><td>32,900</td><td>32,900</td><td>35,900</td><td>35,900</td><td>29,600</td><td>29,600</td><td>25,300</td><td>25,300</td><td>21,700</td><td>21,700</td><td>18,800</td><td>18,800</td><td>16,000</td><td>16,000</td><td>13,500</td><td>13,500</td><td>12,500</td><td>12,500</td><td>56.1</td></t<>	5.0 ft	lb	17,100	17,100	32,900	32,900	35,900	35,900	29,600	29,600	25,300	25,300	21,700	21,700	18,800	18,800	16,000	16,000	13,500	13,500	12,500	12,500	56.1
-1.5 m kg 7 900 7 900 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 10 700 5 900 5 700 5 700 16.64   -3.0 m kg 7 600 7 600 10 700 10	0.0 m	kg	7 800	7 800	11 900	11 900	19 100	19 100	15 800	15 800	13 400	13 400	11 500	11 500	9 900	9 900	8 500	8 500	6 800	6 800	6 100	6 100	16.95
-5.0 ft   Ib   15,600   15,600   23,800   23,800   23,800   36,500   36,500   36,500   30,300   30,300   25,300   25,300   21,300   21,300   17,900   17,900   14,600   14,600   10,600   10,600   54.6   -3.0 m   kg   7 600   7 600   10 000   10 000   10 000   18 900   18 900   15 400   15 400   15 400   12 800   10 700   20,100   20,100   16,400   16,400   16,400   16,600   16,600   10,600   5 100   5 100   5 100   16.19   -4.5 m   kg   7 400   7 400   10 10   10 10   17 400   17 400   17 400   14 200   14 200   11 700   9 600   9 600   9 600   7 700   7 700   5 500   5 500   -15.0 ft   lb   14,800   14,800   20,800   33,000   33,000   33,000   26,800   21,900   21,900   17,800   13,900   13,900   33,900   9,200   7,900   7,900   7,900   7,900   -20.0 ft   lb   15,000   15,000   19,600   19,600   9,700   11 700   11 700   9 500   9 500   11 700   18,400   14,300	0.0 ft	lb	15,000	15,000	22,800	22,800	36,700	36,700	30,400	30,400	25,600	25,600	21,900	21,900	18,800	18,800	15,800	15,800	12,200	12,200	11,600	11,600	55.6
-3.0 m kg 7 600 7 600 10 000 18 900 18 900 15 400 15 400 29,200 29,200 29,200 24,100 20,100 20,100 16,400 12,600 12,600 12,600 12,600 9,400 53.1  -4.5 m kg 7 400 7 400 10 10 10 10 10 10 10 10 10 10 10 10 1	-1.5 m	kg	7 900	7 900	10 700	10 700	19 300	19 200	15 900	15 900	13 300	13 300	11 300	11 300	9 600	9 600	7 900	7 900	5 900	5 900	5 700	5 700	16.64
-10.0 ft   1b   15,400   15,400   20,100   20,100   36,000   20,200   29,200   29,200   24,100   24,100   20,100   20,100   16,400   16,400   12,600   12,600   12,600   9,400   9,400   53.1    -4.5 m   kg   7 400   7 400   10 100   10 100   10 100   17 400   17 400   14 200   14 200   11 700   11 700   9,500   13,900   13,900   13,900   9,200   9,200   7,9	-5.0 ft	lb	15,600	15,600	23,800	23,800	36,500	36,500	30,300	30,300	25,300	25,300	21,300	21,300	17,900	17,900	14,600	14,600			10,600	10,600	54.6
-4.5 m kg 7 400 7 400 10 10 10 10 10 10 10 10 10 10 10 10 1	-3.0 m	kg	7 600	7 600	10 000	10 000	18 900	18 900	15 400	15 400	12 800	12 800	10 700	10 700	8 900	8 900	7 000	7 000			5 100	5 100	16.19
-15.0 ft   1b   14,800   14,800   20,800   20,800   33,000   33,000   26,800   26,800   21,900   21,900   17,800   17,800   13,900   13,900   33,000   9,200   7,900   7,900   7,900   51.0   -6.0 m   kg   7 400   7 400   9 500   9 500   15 100   15 100   15 100   12 300   12 300   10 000   10 000   8 000   8 000   5 900   5 900   5 900   -20.0 ft   1b   15,000   15,000   19,600   19,600   28,100   28,100   28,100   28,100   28,100   28,100   20,800	-10.0 ft	lb	15,400	15,400	20,100	20,100	36,000	36,000	29,200	29,200	24,100	24,100	20,100	20,100	16,400	16,400	12,600	12,600			9,400	9,400	53.1
-6.0 m kg 7 400 7 400 9 500 9 500 15 100 15 100 12 300 12 300 10 000 10 000 8 000 5 900 5 900 5 900 5 900 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10	-4.5 m	kg	7 400	7 400	10 100	10 100	17 400	17 400	14 200	14 200	11 700	11 700	9 600	9 600	7 700	7 700	5 500	5 500			4 400	4 400	15.58
-20.0 ft   lb   15,000   15,000   19,600   19,600   28,100   28,100   28,100   28,200   22,800   22,800   24,30	-15.0 ft	lb	14,800	14,800	20,800	20,800	33,000	33,000	26,800	26,800	21,900	21,900	17,800	17,800	13,900	13,900	9,200	9,200			7,900	7,900	51.0
-7.5 m kg 7 300 7 300 9 700 9 700 11 700 11 700 9 500 9 500 7 500 7 500 5 500	-6.0 m	kg	7 400	7 400	9 500	9 500	15 100	15 100	12 300	12 300	10 000	10 000	8 000	8 000	5 900	5 900							
	-20.0 ft	lb	15,000	15,000	19,600	19,600	28,100	28,100	22,800	22,800	18,400	18,400	14,300	14,300	10,000	10,000							ı l
-25.0 ft   lb   13,900   13,900   20,200   20,200   21,200   21,200   17,100   17,100   13,200   9,000   9,000	-7.5 m	kg	7 300	7 300	9 700	9 700	11 700	11 700	9 500	9 500	7 500	7 500	5 500	5 500									
	-25.0 ft	lb	13,900	13,900	20,200	20,200	21,200	21,200	17,100	17,100	13,200	13,200	9,000	9,000									ı l

All points in above chart are limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097.Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

# **Hydraulic System**

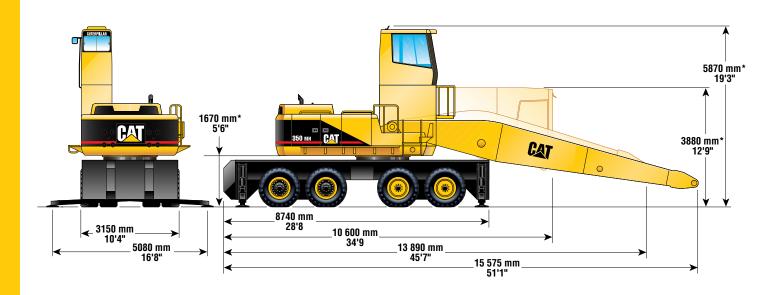
The 350 hydraulic system provides efficient, dependable power when and where it's needed.

Detiens		
Ratings		
Maximum flow	2 X 335 liters per min	2 X 89 gpm
Maximum pressure:		
Implements	31 400 kPa	4550 psi
Travel	34 300 kPa	4980 psi
Swing system:		
Maximum flow	1 X 290 liters per min	1 X 77 gpm
Maximum pressure	27 000 kPa	3910 psi
Pilot system:		
Maximum flow	42 liters per min	11.1 gpm
Maximum pressure	3 400 kPa	498 psi
Rotate Circuit for Grapple:		
Maximum flow	47 liters per min	12.5 gpm
Maximum pressure	20 000 kPa	2500 psi
Generator Auxiliary Pump:		
Maximum flow	196 liters per min	52 gpm
Maximum pressure	34 400 kPa	5000 psi

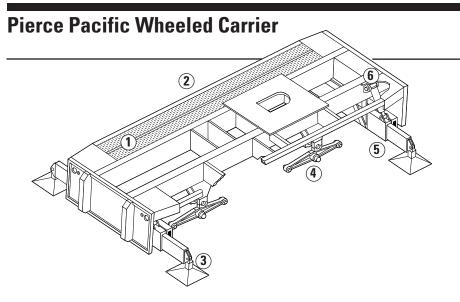
# Weights

•	
Operating Weight (with the	ree-piece
front)	68 917 kg
	151,800 lb
Upper	14 926 kg
	32,877 lb
Counterweight	10 787 kg
	23,760 lb
Pierce Lower	29 234 kg
	64,392 lb
Three-Piece Front (with o	cylinders)
	13 970 kg
	30,771 lb
Two-Piece Front (with cy	linders)
	10 805 kg
	23,800 lb

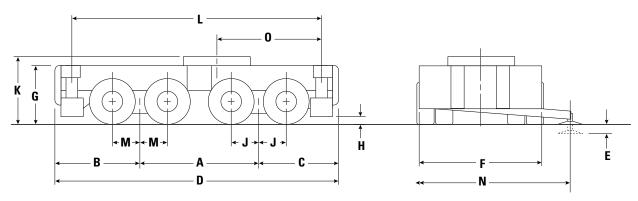
# **Dimensions**



<sup>\*</sup> Dimensions with machine sitting on rubber tires



- 1 Grip strut fender
- **2** Off-road construction
- **3** Double swivel pads
- 4 Planetary axles
- **5** Heavy duty outriggers
- **6** Special Pierce cylinders built for scrap with chrome shafts and double pilot control check valves for safety



Di	mension		
A	Wheel base	3.91 m	154"
В	Front to steering axle	2.23 m	88"
C	Rear to drive axle	2.13 m	84"
D	Overall length	8.74 m	28'8"
E	Total travel with		
	outrigger fully extended	0.30 m	12"
F	Overall width	3.15 m	10'4"
G	Deck height	1.54 m	60"
Н	Ground clearance	0.25 m	10"
J	Drive axle to trunnion	0.74 m	29"
K	Height to user ring	1.67 m	66"
L	Outrigger centerline distance	7.77 m	25'6"
M	Steering axle to trunnion	0.76 m	30"
N	Outrigger fully extended	5.08 m	16'8"
0	Rear outrigger center		
	to swing center	2.9 m	9'6"

## **Pierce Pacific Wheeled Carrier**

Bridgestone 14.00-24 20 PR RL ES Tires					
4 Outrigger Pads Pierce 610 mm (24")					
4 203 mm (8") Outrigger Cylinders					
Travel speed 10 km/h 12 mmh					

Travel speed 19 km/h 12 mph

- Electric supplemental steering
- Cat 3306B engine 214 kW/287 hp
- Cat power shift transmission (4F-4R)

The Pierce Pacific Wheeled Carrier is a self-contained unit powered by a Cat 3306B DITA engine, torque converter and Cat 4-speed power shift transmission. The Pierce walking beam suspension supports Rockwell 1927 series planetary hub drive axles. Eaton 24T5 – 2.36 m (93") tubular axles provide steering. The main frame is a fabricated box construction with high tensile alloy steel that is designed for high duty cycles. Controls for operation are all mounted in the cab for operator ease. Outriggers are controlled from the operator platform or the carrier deck and are hydraulically extended, Pierce hi-lift, scissor type with double-swivel, self-storing outrigger pads. The carrier comes equipped with full-length, heavy duty fenders, supplemental steering system, headlights, turn signals and backup alarm.

### 350 MH Material Handler - Wheeled Carrier

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Materials and specifications subject to change without notice.

AEHQ5247(3-97) Replaces AEHQ9008

