

# Cat® SU488

SCOOP

# **Specifications**

Dimensions (approximate)			
With lifting forks         8030 mm         26 ft 4 in           With contoured bucket         8940 mm         29 ft 4 in           With quick-attach flat bottom bucket         1940 mm         30 ft 0 in           Length with lift plate attachment         2690 mm         27 ft 0 in           Overall Width         2690 mm         8 ft 10 in           With contoured bucket         2900 mm         9 ft 6 in           With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         36,700 lbs           With 64-SS100-21 Battery         21 200 kg         46,750 lbs           35X15-15 Tires         965 mm         3 ft 2 in           35X15-15 Tires         965 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           35X15-15 Tires         1020 mm         3 ft 8 in           38X16-15 Tires         1070 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         250 mm         10 in           38X16-15 Tires	Dimensions (approximate)		
With lifting forks         8030 mm         26 ft 4 in           With contoured bucket         8940 mm         29 ft 4 in           With quick-attach flat bottom bucket         1940 mm         30 ft 0 in           Length with lift plate attachment         2690 mm         27 ft 0 in           Overall Width         2690 mm         8 ft 10 in           With contoured bucket         2900 mm         9 ft 6 in           With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         36,700 lbs           With 64-SS100-21 Battery         21 200 kg         46,750 lbs           35X15-15 Tires         965 mm         3 ft 2 in           35X15-15 Tires         965 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           35X15-15 Tires         1020 mm         3 ft 8 in           38X16-15 Tires         1070 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         250 mm         10 in           38X16-15 Tires	Overall Length		
With quick-attach flat bottom bucket Length with lift plate attachment         9140 mm         30 ft 0 in           Overall Width With lifting forks         2690 mm         8 ft 10 in           With contoured bucket With quick-attach flat bottom bucket 2900 mm         9 ft 6 in           Wheelbase         3660 mm         9 ft 6 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         36,700 lbs           With 64-SS85-21 Battery         21 200 kg         46,750 lbs           With 64-SS100-21 Battery         21 770 kg         48,000 lbs           Battery Height from Ground         965 mm         3 ft 2 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm	With lifting forks		
Length with lift plate attachment         8230 mm         27 ft 0 in           Overall Width         With lifting forks         2690 mm         8 ft 10 in           With contoured bucket         2900 mm         9 ft 6 in           With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         36,700 lbs           With 64-SS85-21 Battery         21 200 kg         46,750 lbs           With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           With 64-SS125-21 Battery         35X15-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1170 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         10 in         38X16-15 Tires         10 in		8940 mm	
Overall Width         2690 mm         8 ft 10 in           With lifting forks         2900 mm         9 ft 6 in           With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         46,750 lbs           With 64-SS100-21 Battery         21 200 kg         46,750 lbs           With 64-SS100-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         965 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance           profile)         35X15-15 Tires         250 mm         10 in           38X16-15 Tires         1350 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires <t< td=""><td>With quick-attach flat bottom bucket</td><td>9140 mm</td><td>30 ft 0 in</td></t<>	With quick-attach flat bottom bucket	9140 mm	30 ft 0 in
With lifting forks       2690 mm       8 ft 10 in         With contoured bucket       2900 mm       9 ft 6 in         Wheelbase       3660 mm       12 ft 0 in         Un-A-Trac Empty Weights       16 650 kg       36,700 lbs         Less Battery       16 650 kg       36,700 lbs         With 64-SS85-21 Battery       21 200 kg       46,750 lbs         With 64-SS100-21 Battery       21 770 kg       48,000 lbs         Battery Height from Ground       With 64-SS85-21 Battery       35X15-15 Tires       965 mm       3 ft 2 in         38X16-15 Tires       1020 mm       3 ft 4 in       3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires       1020 mm       3 ft 4 in         38X16-15 Tires       1070 mm       3 ft 6 in         With 64-SS125-21 Battery       35X15-15 Tires       1120 mm       3 ft 8 in         38X16-15 Tires       1170 mm       3 ft 10 in         Ground Clearance (Nominal)       (Please reference sales drawing for Ground Clearance         profile)       35X15-15 Tires       250 mm       10 in         35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires	Length with lift plate attachment	8230 mm	27 ft 0 in
With contoured bucket         2900 mm         9 ft 6 in           With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           Less Battery         16 650 kg         36,700 lbs           With 64-SS85-21 Battery         21 200 kg         46,750 lbs           With 64-SS85-21 Battery         21 770 kg         48,000 lbs           Battery Height from Ground         With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in         38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires         250 mm         10 in           35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in         38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height			
With quick-attach flat bottom bucket         2900 mm         9 ft 6 in           Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           With 64-SS85-21 Battery         21 200 kg         46,750 lbs           With 64-SS100-21 Battery         21 770 kg         48,000 lbs           Battery Height from Ground         With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in         38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1070 mm         3 ft 6 in         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in         38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires         250 mm         10 in           35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm			
Wheelbase         3660 mm         12 ft 0 in           Un-A-Trac Empty Weights         16 650 kg         36,700 lbs           With 64-SS85-21 Battery         21 200 kg         46,750 lbs           With 64-SS100-21 Battery         21 770 kg         48,000 lbs           Battery Height from Ground         With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in     <		2900 mm	9 ft 6 in
Un-A-Trac Empty Weights         16 650 kg 36,700 lbs           With 64-SS85-21 Battery         21 200 kg 46,750 lbs           With 64-SS100-21 Battery         21 770 kg 48,000 lbs           Battery Height from Ground         With 64-SS85-21 Battery           35X15-15 Tires         965 mm 3 ft 2 in           38X16-15 Tires         1020 mm 3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires           38X16-15 Tires         1070 mm 3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires           38X16-15 Tires         1120 mm 3 ft 8 in           38X16-15 Tires         1170 mm 3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm 10 in           38X16-15 Tires         330 mm 13 in           Adjustable Cab Height         35X15-15 Tires 1270 mm-1520 mm 4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm 4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires 940 mm 3 ft 1 in           Inside turn radius         3660 mm 12 ft 0 in           Outside turn radius         7315 mm 24 ft 0 in           Steering articulation         80° total	With quick-attach flat bottom bucket	2900 mm	
Less Battery       16 650 kg 36,700 lbs         With 64-SS85-21 Battery       21 200 kg 46,750 lbs         With 64-SS100-21 Battery       21 770 kg 48,000 lbs         Battery Height from Ground       With 64-SS85-21 Battery         35X15-15 Tires       965 mm 3 ft 2 in         38X16-15 Tires       1020 mm 3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires         38X16-15 Tires       1070 mm 3 ft 6 in         With 64-SS125-21 Battery       35X15-15 Tires         38X16-15 Tires       1120 mm 3 ft 8 in         38X16-15 Tires       1170 mm 3 ft 10 in         Ground Clearance (Nominal)       (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm 10 in         38X16-15 Tires       330 mm 13 in         Adjustable Cab Height       35X15-15 Tires       1270 mm-1520 mm 4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm 4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm 2 ft 10 in         38X16-15 Tires       940 mm 3 ft 1 in         Inside turn radius       3660 mm 12 ft 0 in         Outside turn radius       7315 mm 24 ft 0 in         Steering articulation       80° total	Wheelbase	3660 mm	12 ft 0 in
Less Battery       16 650 kg 36,700 lbs         With 64-SS85-21 Battery       21 200 kg 46,750 lbs         With 64-SS100-21 Battery       21 770 kg 48,000 lbs         Battery Height from Ground       With 64-SS85-21 Battery         35X15-15 Tires       965 mm 3 ft 2 in         38X16-15 Tires       1020 mm 3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires         38X16-15 Tires       1070 mm 3 ft 6 in         With 64-SS125-21 Battery       35X15-15 Tires         38X16-15 Tires       1120 mm 3 ft 8 in         38X16-15 Tires       1170 mm 3 ft 10 in         Ground Clearance (Nominal)       (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm 10 in         38X16-15 Tires       330 mm 13 in         Adjustable Cab Height       35X15-15 Tires       1270 mm-1520 mm 4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm 4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm 2 ft 10 in         38X16-15 Tires       940 mm 3 ft 1 in         Inside turn radius       3660 mm 12 ft 0 in         Outside turn radius       7315 mm 24 ft 0 in         Steering articulation       80° total	Un-A-Trac Empty Weights		
With 64-SS100-21 Battery         35X15-15 Tires       965 mm       3 ft 2 in         38X16-15 Tires       1020 mm       3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires       1020 mm       3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires       1070 mm       3 ft 6 in         With 64-SS125-21 Battery       35X15-15 Tires       1120 mm       3 ft 8 in         38X16-15 Tires       1170 mm       3 ft 10 in         Ground Clearance (Nominal)       (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm       10 in         38X16-15 Tires       330 mm       13 in         Adjustable Cab Height       35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm       2 ft 10 in         38X16-15 Tires       940 mm       3 ft 1 in         Inside turn radius       3660 mm       12 ft 0 in         Outside turn radius       7315 mm       24 ft 0 in         Steering articulation       80° total	Less Battery	16 650 kg	36,700 lbs
Battery Height from Ground           With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 8 in           38X16-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         2 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	With 64-SS85-21 Battery	21 200 kg	46,750 lbs
With 64-SS85-21 Battery         35X15-15 Tires         965 mm         3 ft 2 in           38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	With 64-SS100-21 Battery	21 770 kg	48,000 lbs
35X15-15 Tires       965 mm       3 ft 2 in         38X16-15 Tires       1020 mm       3 ft 4 in         With 64-SS100-21 Battery       35X15-15 Tires       1020 mm       3 ft 4 in         38X16-15 Tires       1070 mm       3 ft 6 in         With 64-SS125-21 Battery       35X15-15 Tires       1120 mm       3 ft 8 in         38X16-15 Tires       1170 mm       3 ft 10 in         Ground Clearance (Nominal)       (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm       10 in         38X16-15 Tires       330 mm       13 in         Adjustable Cab Height       35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm       2 ft 10 in         38X16-15 Tires       940 mm       3 ft 1 in         Inside turn radius       3660 mm       12 ft 0 in         Outside turn radius       7315 mm       24 ft 0 in         Steering articulation       80° total	Battery Height from Ground		
38X16-15 Tires         1020 mm         3 ft 4 in           With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	With 64-SS85-21 Battery		
With 64-SS100-21 Battery         35X15-15 Tires         1020 mm         3 ft 4 in           38X16-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	35X15-15 Tires		
35X15-15 Tires       1020 mm       3 ft 4 in         38X16-15 Tires       1070 mm       3 ft 6 in         With 64-SS125-21 Battery         35X15-15 Tires       1120 mm       3 ft 8 in         38X16-15 Tires       1170 mm       3 ft 10 in         Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm       10 in         38X16-15 Tires       330 mm       13 in         Adjustable Cab Height         35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm       2 ft 10 in         38X16-15 Tires       940 mm       3 ft 1 in         Inside turn radius       3660 mm       12 ft 0 in         Outside turn radius       7315 mm       24 ft 0 in         Steering articulation       80° total	38X16-15 Tires	1020 mm	3 ft 4 in
38X16-15 Tires         1070 mm         3 ft 6 in           With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)           (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	With 64-SS100-21 Battery		
With 64-SS125-21 Battery         35X15-15 Tires         1120 mm         3 ft 8 in           38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)           (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total		1020 mm	3 ft 4 in
35X15-15 Tires       1120 mm       3 ft 8 in         38X16-15 Tires       1170 mm       3 ft 10 in         Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)         35X15-15 Tires       250 mm       10 in         38X16-15 Tires       330 mm       13 in         Adjustable Cab Height         35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm       2 ft 10 in         38X16-15 Tires       940 mm       3 ft 1 in         Inside turn radius       3660 mm       12 ft 0 in         Outside turn radius       7315 mm       24 ft 0 in         Steering articulation       80° total	38X16-15 Tires	1070 mm	3 ft 6 in
38X16-15 Tires         1170 mm         3 ft 10 in           Ground Clearance (Nominal)         (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	With 64-SS125-21 Battery		
Ground Clearance (Nominal)           (Please reference sales drawing for Ground Clearance profile)           35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total			
(Please reference sales drawing for Ground Clearance profile)       35X15-15 Tires       250 mm       10 in         38X16-15 Tires       330 mm       13 in         Adjustable Cab Height       35X15-15 Tires       1270 mm-1520 mm       4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm       4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm       2 ft 10 in         38X16-15 Tires       940 mm       3 ft 1 in         Inside turn radius       3660 mm       12 ft 0 in         Outside turn radius       7315 mm       24 ft 0 in         Steering articulation       80° total	38X16-15 Tires	1170 mm	3 ft 10 in
profile)         35X15-15 Tires         250 mm         10 in           38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	Ground Clearance (Nominal)		
35X15-15 Tires   250 mm   10 in   38X16-15 Tires   330 mm   13 in		ound Clear	ance
38X16-15 Tires         330 mm         13 in           Adjustable Cab Height         35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total		250	10 :
Adjustable Cab Height           35X15-15 Tires         1270 mm-1520 mm         4 ft 2 in-5 ft 0 in           38X16-15 Tires         1350 mm-1600 mm         4 ft 5 in-5 ft 3 in           Main Frame Height         35X15-15 Tires         860 mm         2 ft 10 in           38X16-15 Tires         940 mm         3 ft 1 in           Inside turn radius         3660 mm         12 ft 0 in           Outside turn radius         7315 mm         24 ft 0 in           Steering articulation         80° total	33X13-13 11res 29V16 15 Times		
35X15-15 Tires       1270 mm-1520 mm 4 ft 2 in-5 ft 0 in         38X16-15 Tires       1350 mm-1600 mm 4 ft 5 in-5 ft 3 in         Main Frame Height       35X15-15 Tires       860 mm 2 ft 10 in         38X16-15 Tires       940 mm 3 ft 1 in         Inside turn radius       3660 mm 12 ft 0 in         Outside turn radius       7315 mm 24 ft 0 in         Steering articulation       80° total		330 IIIII	13 111
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Steering articulation 80° total			
	Outside turn radius		24 ft 0 in
Tram Speed 8 km/h 5 mph	Steering articulation	80° total	
1	Tram Speed	8 km/h	5 mph

# **Lift Capacity**

14.5 tonne at 914 mm (16 tons at 36 in) from the face of lift plate

# **Drive Train**

Tram	Motor

One proprietary design

Mine traction

Direct current

Gear motor rated at 37 kW (50 hp) (1 hour) at 1,540 rpm and 110 Volts

MSHA totally enclosed, explosion-proof

Non-ventilated cooling

Foot-mounted

#### Reducer

A foot-mounted 3.33:1 ratio gearbox

#### **Drive Lines**

Heavy duty off-highway

7C type driveshafts with slip joints

# Axles

Heavy duty

35 800 kg (79,000 lbs) capacity axle

Features outboard planetary

SAHR brakes

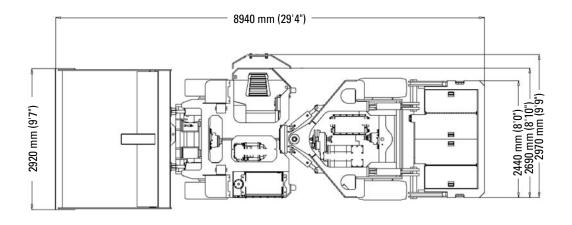
Brake cooling

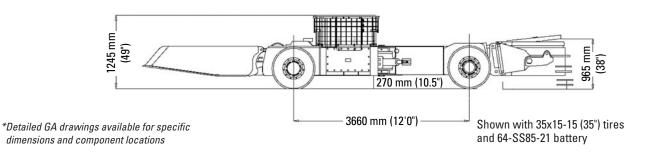
Optional Diff-Lock

\*Alternate axles will be considered upon request



# Scoop—SU488





# Brakes

#### Service & Emergency/Park

Spring-applied hydraulic release SAHR

4-wheel wet disc

Left-pedal activated

Controlled by reverse modulating valve

#### **Hydraulics**

#### **Pump Motor**

Mine duty

Laminated frame

Direct current

Motor rated at 12 kW (16 hp) (1 hour)

110 Volts DC

MSHA totally enclosed, explosion-proof

Non-ventilated cooling

Foot-mounted

#### Pump

# Fixed displacement

Helical gear tandem pumps rated at 91 total L/min (24 total gpm) at 1,600 rpm

Pump is directly mounted to the pump motor housing.

# **Hydraulics (continued)**

#### Reservoir

 $170\ L$  (45 gal) capacity with magnetic particle sump strainer and 10 micron return line filter with by-pass. A sight glass on the side of the oil tank for oil-level monitoring.

#### Reservoir Fill System

Fill cap assembly in top of reservoir tank.

#### Valve Bank

Six section, parallel (flow through) type with 15.5 MPa (2,250 psi) internal relief and 11.7 MPa (1,700 psi) steering relief. Valve bank is rated at 151 L/min (40 gpm)

#### **Hvdraulic PTO**

Two (2) quick coupler connections, 8.3 MPa (1,200 psi) maximum recommended operating pressure.

# **Steering Cylinder**

Two (2) 127 mm (5 in) bore, double-acting cylinders with forged rods and self-aligning bearings.

# Lift Cylinder

Two (2) 178 mm (7 in) bore, double-acting cylinders with forged rods and self-aligning bushings.

#### **Hydraulic Hose and Fittings**

JIC fittings with high pressure hoses, MSHA 2G flame-resistant approved.

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#### **Fire Suppression**

Four point, 9 kg (20 lbs), multi-purpose, ABC dry chemical fire suppression system manually actuated from operator's compartment and remote location.

#### **Frame**

Heavy-duty with bends utilized where applicable to reduce the number of indeterminate stresses introduced by welding; constructed of ASTM 572-GR50 steel with T-1 steel at high stress or wear areas; 254 mm (10 in) extended operator's deck with side egress access.

#### **Center Section**

Heavy-duty ball bearing with unlimited oscillation; internal grease seals to prevent contamination of the ball bearings, and pivot points designed to distribute loads using selfaligning, one-piece, heavy-duty radial bearings.

#### **Operator's Compartment**

- 1. 254 mm (10 in) extended operator's deck
- Control station which houses the master switch for park, forward and reverse; light switch for front and rear lights; pump motor start button and automatic park brake release
- 3. Right foot accelerator pedal
- 4. Left foot brake pedal
- 5. Tape strip panic switch that de-energizes electrical system and applies automatic brake
- 6. Warning gong
- 7. Manual circuit breaker lever reset handle
- 8. Valve bank hydraulic functions:

Steering

Bucket

Bucket eject

Winch/power take off

Battery changer

- 9. System pressure gauge
- 10. Accumulator pressure gauge
- 11. Park brake release pressure gauge

#### **Operator Control**

Left-hand control stick that incorporates the most common operator functions

Ergonomically designed control stick for one-hand control of pump motor, park brake, travel direction, traction assist, stop/shutdown and headlight controls. Speed control accomplished by right-foot-activated pedal. Tapeswitch stop switches located on both sides of operator.

Manual disconnect switch

#### **Electrical Controls**

- 1. Model 2000, microprocessor controlled, IGBT, contactorless, 128VDC, 1200 amp traction motor controller with infinitely variable, stepless, machine speed control. Equipped with on-board dashboard display for machine information of battery capacity, battery voltage, motor currents, elapsed time hourmeter, and troubleshooting diagnostics information.
- Microprocessor controlled, IGBT, contactorless, 128VDC, 350 amp, pump motor controller. Limits starting current and provides LED-based diagnostics.
- 3. Mine duty, 600 amp frame circuit breaker, with UVR (under voltage release) trip unit.

#### **Operator's Compartment Options**

533 mm (21 in) deck extension to provide better visibility in the lower seams

Hydraulically activated, floor mounted, foot operated push button.

## **Tire/Wheel Option**

35X15-15 Tires – Customer-specified tire brand and fill type.
38X16-15 Tires – Customer-specified tire brand and fill type.

# **Lift Attachment Option**

QDS quick attach module (required for all QDS attachments)

QDS fork assembly

QDS battery carrier

#### Winch Option

Winch  $-13\ 600\ kg\ (30,000\ lb)$  bare drum pull, two-speed winch assembly with 21.3 m of 19 mm (70 ft of  $^{3}4$  in) diameter steel cable. Requires operator cab in lieu of canopy.

#### Cab Options (cab must be utilized when winch is selected)

Manual

Hydraulic

#### **Battery Plug – Single Connector Option**

#### J&R 2000, 5-pole, Brass w/Captive Wrench

Brass plug with a captive wrench to install or remove the battery plugs. Battery plug is rated at 600 amps.

Other connector options available upon request

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#### **Lighting System Option**

## Ocenco, Halogen, 12VDC, 50 watt

Two front headlights with protective guard, and two rear headlights with protective guard.

MCI 120V MCI 12V

# **Center Section Cable Location Option**

All cables over the top of center section.

Cables are protected with additional guarding and covers. This will add 76 mm (3 in) to overall frame height.

## **Auxiliary Components**

**Battery Change Cables** 

#### **Machine Battery**

**Battery Tray** 

Battery with Plastisol Coated Tray (Single Connector)
Battery Receptacle Kit
Battery Filling System

#### **Battery Charger Options**

Single-output for one battery

Dual-output for two batteries

#### **Battery Charger Accessories**

#### **Heavy-duty Charger Case**

Sled consisting of heavy-duty protection framework and equipped with lifting mechanisms designed to be engaged by the optional QDS Lift System.

# Other Options

Schroder Test Mate

PA approval kit

Park brake pressure switch

Venturi jet fill

Traction motor over speed protection

Handheld calibrator

(control adjustments and troubleshooting

HiPAC 10 control system

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