WHEEL LOADER SPECIFICATIONS

| | SPECIFICATIONS | YES | NO | DEVIATION |
|----------|--|----------|------|-----------|
| | ENGINE MODEL | | | |
| 1 | Gross Power: 146 hp | | | |
| 2 | Rated Net Power @ 1,800 rpm: ISO 9249 (1977)/EEC 80/1269 142 hp | | | |
| 3 | Maximum Gross Torque: 534 lbf-ft | | | |
| 4 | Maximum Net Torque: ISO 9249 (1977)/EEC 80/1269 520 lbf-ft | | | |
| 5 | Displacement: 402 in ³ | | | |
| 6 | Bore: 4 in | | | |
| 7 | Stroke: 5 in | | | |
| | BUCKETS | | | |
| 8 | General Lift: 2.5-3.3 yd ³ , Fusion bucket, bolt-on cutting edges, additional guarding, 176 lb | 1 | | |
| | Fusion bucket, bolt-on cutting edges, additional guarding, 176 lb operator | | | |
| - | | | | |
| | WEIGHTS | | | |
| 9 | Operating weight – Standard Lift: 28,360 lb | I | | |
| | | | | |
| | STEERING | | | |
| 10 | Steering articulation angle each direction: 40° | | | |
| 11 | Steering cylinder: double acting | 1 | | |
| | Bore diameter – 2.8 in | 1 | | |
| | Rod diameter – 1.6 in | | | |
| | Stroke – 17.2 in | | | |
| | Maximum fow – steering pump: 34 gal/min | | | |
| | Maximum working pressure – steering pump: 3,500psi | | | |
| 12 | Maximum steering torque: | | | |
| | 0° (straight machine) 35,155 lbf-ft | | | |
| | 40° (full turn) 27,747 lbf-ft | | | |
| 13 | Steering cycle times (full left to full right): | | | |
| | 800 rpm: pump flow limited 2.8 seconds | | | |
| | 1,800 rpm: 90 rpm steering wheel speed 2.4 seconds | | | |
| 14 | Number of steering wheel turns: | | | |
| | Full left to full right or full right to full left – 3.5 turns | | | |
| 15 | Steering systems shall use a dedicated load sensing variable displacement pump with dual | | | |
| | Double acting cylinders. | | | |
| | LOADER HYDRAULIC SYSTEM | <u> </u> | | |
| 16 | Maximum flow: 40 gal/min | 1 | | |
| 10 | 3 rd function maximum flow – 40 gal/min | | | |
| | 4 th function maximum flow – 20 gal/min | | | |
| 17 | Maximum working pressure: 3,771 psi | | | |
| 18 | Relief pressure – tilt cylinder: 4.061 psi | | | |
| | 3 rd function maximum working pressure – 3,771 psi | | | |
| | 3 rd function maximum working pressure – 3,771 psi 3 rd function relief pressure – 4061 psi | | | |
| | 4 th function maximum working pressure – 3,771 psi | } | | |
| | | - | ┝──┤ | |
| 19 | 4 th function relief pressure – 4061 psi | | | |
| | Lift cylinder: double acting: | } | | |
| | Bore diameter – 4.3 in | | | |
| | Rod diameter – 2.4 in | | | |
| 20 | Stroke – 28.7 in | | | |
| 20 | Tilt cylinder: double acting: | | | |
| | Bore diameter – 5.1 in | | | |
| | Rod diameter – 2.8 in | | | |
| <u> </u> | Stroke – 21.9 in | I | | |

| 1 hydraulic cycle time 14 800 rml; 1 2 Ploat down (maximum lift) = 55 seconds 1 2 Hydraulic tycle time - 05 seconds 1 2 Hydraulic cycle time - 05 seconds 1 2 Float down (maximum lift) - 95 seconds 1 2 Float down (maximum lift) or gound lown) - 26 seconds 1 2 Float down (maximum lift) or gound lown) - 26 seconds 1 2 Float down (maximum lift) or gound lown) - 26 seconds 1 3 Float down (maximum lift) or gound lown) - 26 seconds 1 4 Cooling usam - 23 gal 1 1 2 Float down (maximum lift) or gound lown) - 26 seconds 1 1 3 Float down (maximum lift) or gound lown) - 26 seconds 1 1 4 Cooling usam - 23 gal 1 1 1 | | LOADER HYDRAULIC SYSTEM CONTINUED | | | |
|---|----|--|---|----------|--|
| Raise (ground level to maximum ith) = .5.5 seconds Image: 1 Image: 1 <thimage: 1<="" th=""> Image: 1 Image:</thimage:> | 21 | | T | | |
| Dump fat maximum lift beginpl - 1.5 seconds Image: Control optime - 3.6 seconds I | | | | | |
| Float down (maximum lift opround lovel) - 2.6 seconds Image: 1.000 pm) 22 Tydraulic cycle times 9.4 seconds Image: 1.000 pm) 23 Tydraulic cycle times 9.4 seconds Image: 1.000 pm) 24 Tydraulic cycle times 10.000 pm) Image: 1.000 pm) 25 Tydraulic cycle times 11.000 pm) Image: 1.000 pm) 26 Total down (maximum lift opround lovel) - 2.6 seconds Image: 1.000 pm) 27 Fuel tark - 51.5 gal Image: 1.000 pm) Image: 1.000 pm) 27 Fuel tark - 51.5 gal Image: 1.000 pm) Image: 1.000 pm) 28 Fuel tark - 51.5 gal Image: 1.000 pm) Image: 1.000 pm) 29 Fuel tark - 51.5 gal Image: 1.000 pm) Image: 1.000 pm) 29 Fuel tark - 53.5 gal Image: 1.000 pm) Image: 1.000 pm) 20 Fort = 5.5 gal Image: 1.000 pm) Image: 1.000 pm) 30 Fort = 5.5 gal Image: 1.000 pm) Image: 1.000 pm) 31 Fort = 5.6 mph Image: 1.000 pm) Image: 1.000 pm) 32 Fort = 5.6 mph Image: 1.0000 pm) Image: 1.0000 pm) | | | | | |
| Total cycle time - 9.6 seconds Image Image 22 Hydraulic cycle times (1,000 rpm): Image Image Image 23 Float down (maximum lift) - 9.6 seconds Image Image Image 24 Float down (maximum lift do ground level) - 2.6 seconds Image Image Image 24 Float down (maximum lift do ground level) - 2.6 seconds Image Image Image 23 Fuel tank - 51.5 gal Image Image Image Image 24 Cooling system - 7.9 gal Image Image Image Image 24 Cooling system (including tank) - 42.3 gal Image Image Image Image 27 Adds Front - 5.5 gal Image Image Image Image 28 Hydraulic system (including tank) - 42.3 gal Image Image Image Image 29 Hydraulic system (including tank) - 42.3 gal Image Image Image 39 Forward Image Image Image Image Imag | | | | | |
| 22 hydraulic cycle innes (1,000 pm): Image: 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 | | | | | |
| Raise (ground level to maximum lift) -9.6 seconds Image: Control of the seconds Image: Control of the seconds Dump (at maximum lift to ground level) - 2.6 seconds Image: Control of the seconds Image: Control of the seconds SERVICE REFLL CAPACITIES Image: Control of the seconds Image: Control of the seconds 23 Fugli tark - 51.5 gal Image: Control of the second of | 22 | | | | |
| Dump (at maximum lift holg nound level) – 2.0 seconds Image: Control of the second secon | | | | | |
| Float down (maximum lift to ground level) - 2.6 seconds Image: Control of the second sec | | | | | |
| SERVICE REFILL CAPACITIES 23 Fuel tank = 51.5 gal Image: Coloring system -7.9 gal Image: Coloring system -7.9 gal 24 Cooling system -7.9 gal Image: Coloring system -7.9 gal Image: Coloring system -7.9 gal 26 Engine crankcase -5.5 gal Image: Coloring system -7.9 gal Image: Coloring system -7.9 gal 27 Akdes: Image: Coloring system -7.5 gal Image: Coloring system -7.5 gal 28 Hydraulic system (including tank) - 42.3 gal Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 29 Hydraulic system (including tank) - 42.3 gal Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 29 Hydraulic system (including tank) - 42.3 gal Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 30 Range 1 - 0.6 -8.0 mph Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 31 Reverse Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 31 Reverse Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 31 Reverse Image: Coloring system -7.2 gal Image: Coloring system -7.2 gal 31 | | | | | |
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| 24 Cooling system - 7.9 gal Image: 1.0 minipage: 1.0 | | | | | |
| 25 Engine crankcase - 5.3 gal Image: crankcase - 5.3 gal 26 Transmission (gen box) - 2.2 gal Image: crankcase - 5.3 gal 27 Axkes: Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 27 Axkes: Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 28 Front - 5.5 gal Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 29 Hydraulic tark 2.3 gal Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 29 Hydraulic tark 2.3 gal Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 20 Hydraulic tark 2.3 gal Image: crankcase - 5.3 gal Image: crankcase - 5.3 gal 30 Reverse Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal 31 Reverse Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal 31 Reverse Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal 32 Front and Crankcase - 5.4 gal Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal 33 Reverse Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal Image: crankcase - 5.4 gal 33 Traction aid - Locking differential stand | 23 | Fuel tank – 51.5 gal | | | |
| 26 Transmission (gear box) - 2.2 gal 27 Axles: 28 Hydraulic system (including tank) - 42.3 gal 29 Hydraulic system (including tank) - 42.3 gal 29 Hydraulic system (including tank) - 42.3 gal 29 Hydraulic tank - 23.8 gal 20 Forward 30 Forward 31 Range 1* 0.6-8.0 mph 32 Forward 33 Range 2 - 8 mph 34 Range 2 - 17 mph 35 Reverse 36 Range 3 - 17 mph 37 Reverse 38 Reverse 39 Range 3 - 17 mph 30 Range 3 - 17 mph 31 Reverse 32 Reverse 33 Reverse 34 Range 3 - 17 mph 35 Traction alo - Locking differential standard 36 | 24 | Cooling system – 7.9 gal | | | |
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| Rear - 5.5 gal Image: Control of the second se | | | | | |
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| TRANSMISSION TRANSMISSION 30 Forward Image 1* - 0.6-8.0 mph Range 2 - 8 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 3 - 17 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 4 - 25 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 2 - 8 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 3 - 17 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 4 - 25 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 4 - 25 mph Image 1* - 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 4 - 25 mph Image 1* 0.6-8.0 mph Image 1* - 0.6-8.0 mph Range 4 - 25 mph Image 1* 0.6-8.0 mph Image 1* 0.6-8.0 mph (0.6 mph) to 13 km/h (6 mph) in Range 1 through the secondary display when equipped. Image 1* 0.6-10 mph 10 Fortat Adve - Fixed Image 1 Image 1* 0.6-10 mph 31 Traction aid - Locking differential standard Image 1* 0.6-10 mph Image 1* 0.6-10 mph 32 Fortat Adve - Skillating Image 1* 0.6-10 mph Image 1* 0.6-10 mph Image 1* 0.6-10 mph 33 Traction aid - Limited silp differential | | | | | |
| 30 Forward Image 2 - 8 mph Image 2 - 8 mph Range 1 - 0.6-8.0 mph Image 2 - 8 mph Image 2 - 8 mph Range 2 - 8 mph Image 2 - 8 mph Image 2 - 8 mph Range 2 - 8 mph Image 2 - 8 mph Image 2 - 8 mph Range 2 - 8 mph Image 2 - 8 mph Image 2 - 8 mph Range 2 - 2 8 mph Image 2 - 8 mph Image 2 - 8 mph Range 2 - 2 8 mph Image 2 - 8 mph Image 2 - 8 mph Range 3 - 17 mph Image 2 - 8 mph Image 2 - 8 mph Range 4 - 25 mph Image 2 - 8 mph Image 2 - 8 mph Range 4 - 25 mph Image 2 - 8 mph Image 2 - 8 mph Range 4 - 25 mph Image 2 - 8 mph Image 2 - 8 mph Range 4 - 25 mph Image 2 - 10 mph (8 mph) in Range 1 through the secondary display when equipped. Image 2 - 10 mph Rear ade 0 Scillation that will allow maximum speed range adjustability from 1 km/h Image 2 - 10 mph Image 2 - 10 mph 33 Traction aid - Locking differential standard Image 2 - 10 mph Image 2 - 10 mph 34 Rear ade 0 Scillation with 17.5 thres - plus or minus 13 degrees Image 2 - 10 mph Image 2 - 10 mph 35 Traction aid - Limited slip differenti | | | | | |
| Range 2 - 8 mph Image 3 - 17 mph Range 3 - 17 mph Image 3 - 25 mph Range 4 - 25 mph Image 3 - 17 mph Range 1 * 0.6-8.0 mph Image 3 - 17 mph Range 2 - 8 mph Image 3 - 17 mph Range 3 - 17 mph Image 3 - 17 mph Range 3 - 17 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Range 4 - 25 mph Image 3 - 17 mph Rear 30 - 0 scillation 16 (B mph) in Range 1 through the secondary display when equipped. Image 3 - 17 mph Tractori adi - Locking differential standard Image 3 - 17 mph 32 Front ade - Fixed Image 3 - 17 mph 33 Tractori adi - Locking differential standard Image 3 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - | 30 | Forward | | | |
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| Range 3 - 17 mph Image 1 Image 1 Range 4 - 25 mph Image 1 Reverse Image 1 Range 1 - 0.6-8.0 mph Image 1 Range 2 - 8 mph Image 1 Range 3 - 17 mph Image 1 Range 3 - 25 mph Image 1 Range 4 - 25 mph Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Image 1 Front dc Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Image 1 Front axte – Fixed Image 1 Traction aid – Locking differential standard Image 1 33 Traction aid – Locking differential standard Image 1 34 Rear axte – Socillating Image 1 Oscillation with 17.5 tires – plus or minus 13 degrees Image 1 0 Image 1 Image 1 35 Traction aid – Limited slip differential Image 1 36 Brakes Image 1 Image 1 37 Serv | | | | Ì | |
| 31 Reverse Image 1 0.6-8.0 mph Image 2 Range 1 0.6-8.0 mph Image 2 Image 2 0.6-8.0 mph Image 2 Range 2 2 8 mph Image 2 0.6-8.0 mph Image 2 Range 3 -17 mph Image 2 0.6 Image 2 0.6 Range 4 -25 mph Image 2 0.6 Image 2 0.6 0.6 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 2 0.6 0. | | Range 3 – 17 mph | | | |
| 31 Reverse Image 1 0.6-8.0 mph Image 2 Range 1 0.6-8.0 mph Image 2 Image 2 0.6-8.0 mph Image 2 Range 2 2 8 mph Image 2 0.6-8.0 mph Image 2 Range 3 -17 mph Image 2 0.6 Image 2 0.6 Range 4 -25 mph Image 2 0.6 Image 2 0.6 0.6 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 2 0.6 0. | | Range 4 – 25 mph | | | |
| Rototic Range 1* - 0.6+8.0 mph Image 2 Range 2 - 8 mph Image 2 Image 3 Image 3 Range 3 - 17 mph Image 3 Image 3 Image 3 Range 4 - 25 mph Image 3 Image 3 Image 3 *Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 3 Image 3 (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Image 3 Image 3 Factory default shat be set at 7/km/h (4.4 mph). Image 3 Image 3 Image 3 7 Front axle - Fixed Image 3 Image 3 Image 3 33 Traction aid - Locking differential standard Image 3 Image 3 Image 3 34 Rear axle - Oscillating Image 3 Image 3 Image 3 Image 3 0scillation with 17.5 tires - plus or minus 13 degrees Image 3 Image 3 Image 3 Image 3 35 Traction aid - Limited slip differential Image 3 Image 3 Image 3 Image 3 36 Brakes Image 3 Image 3 Image 3 Image 3 Image 3 Image 3 37 Service brakes | | | | | |
| Range 2 - 8 mph Image 1 Range 3 - 17 mph Image 1 Range 4 - 25 mph Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 1 Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image 1 Image 2 Fornt axle – Fixed Image 2 Image 2 Image 2 Front axle – Fixed Image 2 Image 2 Image 3 Traction aid – Locking differential standard Image 2 Image 2 Image 3 Traction aid – Locking differential standard Image 2 Image 2 Image 3 Traction aid – Limited slip differential Image 2 Image 2 Image 2 Image 3 Traction aid – Limited slip differential Image 2 Image 2 | 31 | Reverse | | | |
| Range 3 - 17 mph Image 4 Image | | Range 1* - 0.6-8.0 mph | | | |
| Range 4 - 25 mphImage 1*Provide Creeper control that will allow maximum speed range adjustability from 1 km/hImage 1(0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped.Image 1Factory default shat be set at 7/km/h (4.4 mph).Image 1 POWER TRAIN Image 132Front axle - FixedImage 133Traction aid - Locking differential standardImage 134Rear axle - OscillatingImage 10Oscillation with 17.5 tires - plus or minus 13 degreesImage 10Oscillation with 20.5 tires - plus or minus 11 degreesImage 135Traction aid - Limited slip differentialImage 136BrakesImage 137Service brakes - Inboard wet discImage 138Park brake - Spring applied/hydraulically releasedImage 139Standard tire - 20.5 R25, radial (L-3) or 17.5 R25, radial (L-3)Image 141FOPS - SAE J1040 MAY94, ISO 3471-1994Image 141FOPS - SAE J1080 A49 APR, Level II, ISO 3449 1992 Level IIImage 141Cab and Rollover Protective Structures (ROPS) are standardImage 1 | | Range 2 – <mark>8 mph</mark> | | | |
| *Provide Creeper control that will allow maximum speed range adjustability from 1 km/h Image: Creeper control that will allow maximum speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Image: Creeper control that will allow maximum speed range adjustability from 1 km/h Front axle - Fixed Image: Creeper control that will allow maximum speed range adjustability from 1 km/h Image: Creeper control that will allow maximum speed range adjustability from 1 km/h 32 Front axle - Fixed Image: Creeper control that will allow maximum speed range adjustability from 1 km/h Image: Creeper control that will allow maximum speed range adjustability from 1 km/h 33 Traction ald - Link that be set at 7/km/h (4.4 mph). Image: Creeper control that will allow maximum speed range adjustability from 1 km/h Image: Creeper control that will allow maximum speed range adjustability from 1 km/h 34 Fornt axle - Fixed Image: Creeper control that will allow maximum speed range adjustability from 1 km/h Image: Creeper control that will allow maximum speed range adjustability for 1 km/h 34 Rear axle - Oscillation with 17.5 tires - plus or minus 13 degrees Image: Creeper control to that will allow maximum speed range adjustability for 1 km/h Image: Creeper control to that will allow maximum speed range adjustability for 1 km/h Image: Creeper control to that will allow maximum speed range adjustability for 1 km/h Image: Creeper control tot that will allow maximum speed range adjusta | | Range 3 – 17 mph | | | |
| 0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. Image: Control of Contro | | Range 4 – 25 mph | | | |
| Factory default shat be set at 7/km/h (4.4 mph). Image: constraint of the set at 7/km/h (4.4 mph). 32 Front axle - Fixed Image: constraint of the set at 7/km/h (4.4 mph). 33 Traction aid - Locking differential standard Image: constraint of the set at 7/km/h (4.4 mph). 33 Traction aid - Locking differential standard Image: constraint of the set at 7/km/h (4.4 mph). 34 Rear axle - Fixed Image: constraint of the set at 7/km/h (4.4 mph). 33 Traction aid - Locking differential standard Image: constraint of the set at 7/km/h (4.4 mph). 34 Rear axle - Oscillating Image: constraint of the set at 7/km/h (4.4 mph). 34 Rear axle - Oscillating Image: constraint of the set at 7/km/h (4.4 mph). 34 Rear axle - Oscillating Image: constraint of the set at 7/km/h (4.4 mph). 34 Rear axle - Oscillating Image: constraint of the set at 7/km/h (4.4 mph). 35 Traction aid - Locking differential Image: constraint of the set at 7/km/h (4.4 mph). 35 Traction aid - Limited slip differential Image: constraint of the set at 7/km/h (4.4 mph). 36 Brakes Image: constraint of the set at 7/km/h (4.4 mph). Image: constraint of the set at 7/km/h (4.4 mph). 37 Service brakes - Inboard wet | | *Provide Creeper control that will allow maximum speed range adjustability from 1 km/h | | | |
| POWER TRAIN 33 Front axle – Fixed | | (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display when equipped. | | | |
| 32 Front axle – Fixed Image: Constraint of the standard Image: Constraint of the standard 33 Traction aid – Locking differential standard Image: Constraint of the standard Image: Constraint of the standard 34 Rear axle - Oscillating Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standard 34 Rear axle - Oscillating Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standard 34 Oscillation with 17.5 tires – plus or minus 13 degrees Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standard 35 Traction aid – Limited slip differential Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standard 36 Brakes Image: Constraint of the standard disc Image: Constraint of the standard Image: Constraint of the standard 37 Service brakes – Inboard wet disc Image: Constraint of the standard disc Image: Constraint of the standard Image: Constraint of the standard 38 Park brake – Spring applied/hydraulically released Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standard Image: Constraint of the standa | | Factory default shat be set at 7/km/h (4.4 mph). | | | |
| 33 Traction aid - Locking differential standard Image: standard in the standard i | | POWER TRAIN | | | |
| 34 Rear axle - Oscillating Image: Construction of the second | | Front axle – Fixed | | | |
| Oscillation with 17.5 tires – plus or minus 13 degrees Image: Construct of the second sec | | Traction aid – Locking differential standard | | | |
| Oscillation with 20.5 tires – plus or minus 11 degreesImage: Construction of the sector o | 34 | | | | |
| 35Traction aid - Limited slip differentialImage: Constraint of the state of | | | | | |
| 36BrakesImage: Service brakes - Inboard wet discImage: Service Brakes - Inboard wet disc <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | |
| 37 Service brakes – Inboard wet disc Image: Constraint of the second secon | | | | | |
| 38 Park brake - Spring applied/hydraulically released Image: Constraint of the constraint of th | | Brakes | | | |
| 39 Standard tire – 20.5 R25, radial (L-3) or 17.5 R25, radial (L-3) Image: Constraint of the standard st | | Service brakes – Inboard wet disc | | | |
| 39 Standard tire – 20.5 R25, radial (L-3) or 17.5 R25, radial (L-3) Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) a | 38 | | | | |
| 40 ROPS - SAE J1040 MAY94, ISO 3471-1994 Image: Comparison of the comparison | | TIRES | | | |
| 41 FOPS – SAE J/ISO 3449 APR, Level II, ISO 3449 1992 Level II Image: Cab and Rollover Protective Structures (ROPS) are standard Image: Cab and Rollover Protective Structures (ROPS) are standard | | Standard tire – 20.5 R25, radial (L-3) or 17.5 R25, radial (L-3) | | | |
| Cab and Rollover Protective Structures (ROPS) are standard | | ROPS – SAE J1040 MAY94, ISO 3471-1994 | | | |
| | 41 | FOPS – SAE J/ISO 3449 APR, Level II, ISO 3449 1992 Level II | | | |
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| Falling Objects Protective Structures (FOPS) | | Cab and Rollover Protective Structures (ROPS) are standard | | | |
| | | Falling Objects Protective Structures (FOPS) | | | |
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|----|--|-------|--|
| | OPERATING SPECIFICATIONS | | |
| 42 | Tipping load: straight (ISO 14397-1) – 19,051 Ib | | |
| 43 | Tipping load: full turn (ISO 14397-1) – 16,352 lb | | |
| 44 | Clearance: full lift and 45° dump – 9 foot 5 inches | | |
| 45 | Reach: full lift and 45° dump – 3 foot 4 inches | | |
| | | | |
| | | | |
| | | | |
| | MANUALS | | |
| | `i) Operator manual - 1 copy for unit ordered (English) | | |
| | ii)Workshop Manual - 1 copy for unit ordered | | |
| | iii)Parts manual -1 copy for unit ordered | | |
| | B. Provide current brochure on vehicle and options | | |
| | C. Provide "line sheet" for unit on delivery, detailing component details, belt part #'s, filter numbers, | | |
| | etc. to assist with future parts and service issues | | |
| | D. A pre-build meeting shall be held via teleconference or in person approximately 2 weeks | | |
| | after award of tender | | |
| | E. Project progress reports | | |
| | i) the winning vendor at point of construction is to provide a production schedule | | |
| | iii) the first report will be at approximately the 50% completion point | | |
| | iv) the second report will be at approximately the 85% completion point | | |
| | vi) the reports are to show where the project is on the production schedule and if on, behind, or | | |
| | ahead of schedule | | |
| | vii) photos and other related information to be included in the email as required | | |
| | F. Training - detail the level of training provided at delivery of the unit, both for the operators and | | |
| | mechanics in Bermuda | | |
| | G. Online and telephone technical support direct from the manufacturer available to Quarry Depot | | |
| | for the lifetime of the vehicle. (15 years) | | |
| | H. All operating manuals, workshop manuals, technical back-up and training to be provided in the English language. | | |
| | -ngion anguago. | | |

USED EQUIPMENT

| OPTIONS | YES | NO | DEVIATION | | |
|---|--|----|-----------|--|--|
| PURCHASE OF ON-THE- LOT or LOW HOUR USED EQUIPMENT | PURCHASE OF ON-THE- LOT or LOW HOUR USED EQUIPMENT | | | | |
| The Ministry of Public Works is interested in pursuing the option | | | | | |
| of buying "low hours", on - the - lot or demonstrator equipment. | | | | | |
| if in the best interest of the Government of Bermuda | | | | | |
| Minor variations from the specifications will be considered | | | | | |
| If you have any which you feel meets the specifications, please | | | | | |
| complete a separate tender form, including full specifications | | | | | |
| and any deviations. | | | | | |
| A. Maximum 500 hours on unit. Specify actual> | | | | | |
| B. Full chassis warranty is required | | | | | |
| C. Please complete pricing sheet for each unit available | | | | | |

SPARE PARTS

| SPARE PARTS REQUIREMENTS | | |
|--|--|--|
| Maximum fork height (top of forks) | | |
| Fuel filters | | |
| Air filters | | |
| Oil filters – Motor/Hydraulic etc. | | |
| | | |
| Brake pads/shoes (complete axle set front \$and rear \$) | | |
| Wheel cylinders/caliper (front each axle set\$ rear each axle set \$) | | |
| Brake discs/drums (front each axle set\$ rear each axle set \$) | | |
| E. Spares available for at least 15 years with prices held to above plus increases in line with the consumer price index | | |
| F. Spares available from East Coast North America with national distribution and warehousing | | |
| G. Provide Bermuda's user's list for this type of unit. Telephone numbers and contact names may be required to confirm performance and suitability of unit in our operating conditions | | |

SHIPPING

| COSTS | | |
|--|--|--|
| | | |
| iii) all travel and carriage costs | | |
| iv) all insurance costs | <u> </u> | |
| v) all bonding costs | <u> </u> | |
| vi) all costs of delivery to the Town | <u>[</u> | |
| vii) all costs of installation and set-up, including any pre-delivery inspection charges and all other | | |
| viii) including any fees or other charges required by law | | |
| B. Change orders | \Box | |
| i) work on changes or additions cannot start until the change is approved through the appropriate levels within the City | | |
| ii) all changes requested must be approved through the City Fleet Services department prior to commencing work | | |
| iii) the vender can start work on the requested change once the PO has been adjusted to include all new items and costs and after instructed by City Fleet Services personnel | | |
| C. Completed vehicle supplied in compliance with Bermuda Motor Traffic Act, Environmental and TCD regulations | | |
| D. Delivered vehicle to be ready for motor vehicle registration in Bermuda, including all inspections as required. | | |
| TRAINING | | |
| Diagnostic Equipment | | |
| Serviceability | <u> </u> | |
| Maintenance | <u> </u> | |
| Repair | [! | |