

**ST Series Specs****Sub-Compact to Small-Medium Chassis, pg. 1-2**

Last Updated 2/24/2006

| Tractor Model | ST22a | ST24a | ST28a | ST33a |
|---|-----------------------|-----------------------------|------------------------------|-----------------------|
| Frame | Sub-Compact | Small | Small-Medium | Small-Medium |
| Performance | | | | |
| Gross engine horsepower @ rpm (kW) | 22.5 @ 2600 (16.8) | 22.5 @ 2600 (16.8) | 28.4 @ 2500 (21.2) | 33 @ 2600 (24.6) |
| *PTO horsepower @ RPM (kW) | 18.7 @ 2600 (13.9) | 19/18.5 @ 2600 (14.2/13.8) | 24.5/22.3 @ 2500 (18.3/16.6) | 25.9 @ 2600 (19.3) |
| Engine | | | | |
| Number of cylinders / Aspiration | 3 / Natural | 3 / Natural | 3 / Natural | 3 / Natural |
| Type of cooling / Fuel | Liquid / Diesel | Liquid / Diesel | Liquid / Diesel | Liquid / Diesel |
| Displacement: in3 (cc) | 68.5 (1,123) | 68.5 (1,123) | 89.3 (1,463) | 91.4 (1,491) |
| Transmissions Available | | | | |
| Hydrostatic | Yes | Yes | Yes | Yes |
| Number of hydrostatic ranges | 2 | 2 | 3 | 3 |
| Hydrostatic transmission cruise control | Yes | Yes | Yes | Yes |
| 9F x 3R mechanical gear drive | NA | NA | Yes | NA |
| 6F x 2R mechanical gear drive | NA | Yes | NA | NA |
| Power Take-Off (PTO) | | | | |
| Type (gear / hydrostatic) | Independent | Trans. driven / Independent | Live / Independent | Independent |
| Speed (rpm) | 540 | 540 | 540 | 540 |
| Mid PTO (gear / hydrostatic) | 2,000 (NA / std.) | 2,000 (opt. / std.) | 2,000 (opt. / std.) | 2,000 (NA / std.) |
| Control (gear / hydrostatic) | Mechanical lever | Mech lever / Electro-hyd | Mech lever / Electro-hyd | Electro-hydraulic |
| Clutch (gear / hydrostatic) | Wet multi disc | Dry/Wet multi disc | Dry/Wet multi disc | Wet multi disc |
| 3-Point Hitch | | | | |
| ASAE hitch category | Cat. I | Cat. I | Cat. I | Cat. I |
| Controls | Position | Position | Position | Position |
| Draft link type | Fixed | Fixed | Fixed | Fixed |
| Type of stabilizers | Turnbuckle | Turnbuckle | Turnbuckle | Telescopic bar |
| Lift capacity @ hitch point: lb (kg) | 1190 (540) | 1190 (540) | 2,425 (1,100) | 2,425 (1,100) |
| Lift capacity @ 24" behind hitch point: lb (kg) | NA | 882 (400) | 1,610 (730) | 1,610 (730) |
| Hydraulics | | | | |
| Max. flow @ remotes: gpm (lpm) | 4.1 (15.5) | 5.5 (20) | 7.4 (28) | 7.7 (29.1) |
| Power steering | Hydrostatic | Hydrostatic | Hydrostatic | Hydrostatic |
| Brakes and Final Drives | | | | |
| Brake type | Wet disc | Wet disc | Wet disc | Wet disc |
| Differential lock type | Standard / Mechanical | Standard / Mechanical | Standard / Mechanical | Standard / Mechanical |
| 4-Wheel drive | Standard | Standard | Standard | Standard |



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| Operator Area | | | | |
| ROPS | Fixed | Fixed | Folding | Folding |
| Steering wheel | Fixed | Fixed | Fixed | Fixed |
| Seat type | Suspended | Suspended | Suspended | Suspended |
| 4WD Dimensions & Weights | | | | |
| Tire type used for dimensions & weights | Ag R1 | Ag R1 | Ag R1 | Ag R1 |
| Wheelbase: in (mm) | 57.1 (1,450) | 59.9 (1,520) | 65.5 (1,665) | 65.5 (1,665) |
| Overall length: in (mm) | 97.6 (2,480) | 102 (2590) | 112.4 (2855) | 112.4 (2,855) |
| Minimum overall width: in (mm) | 45.8 (1,165) | 42.3 (1075) | 53.5 (1360) | 53.5 (1,360) |
| Maximum height over ROPS (up): in (mm) | 72.4 (1,840) | 77.2 (1960) | 80.7 (2050) | 80.7 (2,050) |
| Front tire tread settings: in (mm) | 36.6 (930) | 30.7 (780) | 39.6 (1006) | 39.6 (1,006) |
| Rear tire tread settings: in (mm) | 33 (840) | 32.1 (8150) | 37.6 (955) | 37.6 (955) |
| Shipping weight: lb (kg) | 1,367 (620) | 1,532 (695) | 2,423 (1,100) | 2,423 (1,100) |
| Tires Available | | | | |
| Ag R1, Turf R3 | Yes | Yes | Yes | Yes |
| Industrial R4 | No | Yes | Yes | Yes |

*Manufacturer's Estimates

**ST Series Specs****Medium to Large Chassis pg. 3-4**

Last Updated 2/24/2006

| Tractor Model | ST34a | ST41a | ST47a | ST52a |
|---|--------------------------|--------------------------|-------------------|-------------------|
| Frame | Medium | Medium | Large | Large |
| Performance | | | | |
| Gross engine horsepower @ rpm (kW) | 33 @ 2600 (24.6) | 40.1 2600 (29.9) | 46 2600 (34.3) | 52.1 2600 (38.9) |
| *PTO horsepower @ RPM (kW) | 26 @ 2600 (19.4) | 31 @ 2600 (23.1) | 38 @ 2600 (28.3) | 41 @ 2600 (30.6) |
| Engine | | | | |
| Number of Cylinders / Aspiration | 3 / Natural | 3 / Turbo | 4 / Natural | 4 / Natural |
| Type of Cooling / Fuel | Liquid / Diesel | Liquid / Diesel | Liquid / Diesel | Liquid / Diesel |
| Displacement: in3 (cc) | 91.4 (1,498) | 91.4 (1,498) | 134 (2,197) | 180 (2,849) |
| Transmissions Available | | | | |
| 8 x 8 SynchroShuttle | Platform | Platform | Platform | Platform |
| 12 x 12 PowerShuttle | Cab or Platform | Platform | Platform | Platform |
| Hydrostatic | Platform | Platform | Platform | N/A |
| QuadraShift (cab only) | N/A | N/A | Cab | Cab |
| Power Take-Off (PTO) | | | | |
| Type | Independent | Independent | Independent | Independent |
| Speed (rpm) | 540 std. / Mid 2000 opt. | 540 std. / Mid 2000 opt. | 540 std. | 540 std. |
| Control | electric switch | electric switch | electric switch | electric switch |
| Clutch | wet multi disc | wet multi disc | wet multi disc | wet multi disc |
| 3-Point Hitch | | | | |
| ASAE hitch category | Cat. I | Cat I | Cat. I | Cat. I |
| Controls | Postion | Postion | Postion | Postion |
| Draft sensing | Top link optional | Top link optional | Top link optional | Top link optional |
| Draft Link Type | Telescopic | Telescopic | Telescopic | Telescopic |
| Type of stabilizers | Telescopic Bar | Telescopic Bar | Telescopic Bar | Telescopic Bar |
| Lift capacity @ hitch point: lb (kg) | 2800 (1,270) | 2800 (1,270) | 3483 (1580) | 3483 (1580) |
| Lift capacity @ 24" behind hitch point: lb (kg) | 2535 (1,150) | 2535 (1,150) | 3086 (1400) | 3086 (1400) |
| Hydraulics | | | | |
| Max. flow @ remotes: gpm (lpm) (SynchroShuttle) | 9.1 (34.4) | 9.1 (34.4) | 11.6 (43.8) | 12.5 (47.5) |
| Power Steering | Hydrostatic | Hydrostatic | Hydrostatic | Hydrostatic |



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| Brakes and Final Drives | | | | |
| Brake Type | Wet Disc | Wet disc | Wet Disc | Wet Disc |
| Differential Lock Type | Standard / Mechanical | Standard / Mechanical | Standard / Mechanical | Standard / Mechanical |
| 4-Wheel Drive | Standard | Standard | Standard | Standard |
| Final drive type | outboard spur gear | outboard spur gear | outboard spur gear | outboard spur gear |
| Operator Area | | | | |
| Factory installed ROPS cab available | Yes | No | Yes | Yes |
| Type | Semi-flat | Semi-flat | Flat | Flat |
| ROPS — platform tractors | Folding | Folding | Folding | Folding |
| Steering wheel | tilt | tilt | tilt | tilt |
| Seat type | Suspended | Suspended | Suspended | Suspended |
| 4WD Dimensions & Weights | | | | |
| Tire type used for dimensions & weights | Ag R1 | Ag R1 | Ag R1 | Ag R1 |
| Wheelbase: in (mm) | 70 (1,770) | 70 (1,770) | 75 (1,900) | 76 (1,930) |
| Overall length: in (mm) | 121 (3070) | 121 (3070) | 130 (3,310) | 130 (3,310) |
| Minimum overall width: in (mm) | 62 (1565) | 62 (1565) | 65 (1,660) | 65 (1,660) |
| Maximum height over ROPS (up): in (mm) | 81 (2050) | 81 (2050) | 90 (2,290) | 90 (2,290) |
| Ground clearance: in (mm) | 14 (360) | 14 (360) | 16 (400) | 16 (400) |
| Turning radius w/brakes: ft (mm) | 98 (2,500) | 98 (2,500) | 110 (2,800) | 110 (2,800) |
| Shipping weight: lb (kg) | 2844 (1,290) | 2888 (1,310) | 3494 (1,585) | 3,494 (1,585) |
| Tires Available | | | | |
| Ag R1, Turf R3 & LSW, Industrial R4 | Yes | Yes | Yes | Yes |