TR340
COMPACT TRACK LOADER
TIER 4 FINAL CERTIFIED

LIFT GEOMETRY
Radial Lift

DRIVETRAIN
Drive pump controls Servo-assist mechanical
Pump to engine ratio 1:1
Displacement 2.81 in³ (46 cm³)
Flow @ rated engine RPM:
@ 97% efficiency 29.4 gpm (111 L/min)
Charge pressure 360 psi (24.5 bar)
System relief pressure 5,220 psi (360 bar)

Drive pump controls Electro-hydraulic
Pump to engine ratio 1:1
Displacement 2.75 in³ (45 cm³)
Flow @ rated engine RPM:
@ 97% efficiency 28.8 gpm (109 L/min)
Charge pressure 362 psi (25.0 bar)
System relief pressure 5,220 psi (360 bar)

Drive motors:
Max. displacement 3.10 in³ (50.9 cm³)
Displacement – optional:
High speed 2.02 in³ (33.1 cm³)
Motor RPM @ high idle and 97% efficiency:
2-speed 156
Motor torque @ max. displacement and relief pressure, calculated @ 5,220 psi (360 bar):
6,454 lb-ft (873 N·m)

Final drive:
Planetary gearbox w/ 2-speed motor

Tractive effort 7,414 lb (3370 kg)

Parking brake:
Type Spring-applied, hydraulic
Release multiple disc.

Engagement Depress on/off brake button on handle or instrument panel, raise seat bar, get off seat or stop engine.

OPERATING WEIGHT
Unit equipped w/ open cab; 165 lb operator;
78 in Dirt & Foundry bucket; full of fuel;
10,000 lb (4,536 kg)
Shipping weight 9,656 lb (4,380 kg)
Add-on weights:
- 400 lb (181 kg)
- 1,000 lb (453.6 kg)
- 2,000 lb (907 kg)
- 4,000 lb (1814 kg)

HYDRAULICS
Implement pump type Gear
Displacement:
Standard aux. 2.23 in³ (36.6 cm³)
High-flow aux. 1.24 in³ (20.4 cm³)

Standard flow @ rated engine RPM:
@ 100% efficiency 24.2 gpm (91.5 L/min)
Optional high-flow @ rated engine RPM:
@ 100% efficiency 37.6 gpm (142.5 L/min)

Enhanced high-flow @ rated engine RPM:
@ 100% efficiency 35.0 gpm (132.5 L/min)

Loader control valve:
Type 3 spool/open center/series - series

Relief pressure 3,046 psi (210 bar)

Port relief pressures:
Loader raise 3,263 psi (225 bar)
Bucket aux. 3,770 psi (260 bar)
Bucket dump 1,160 psi (80 bar)

Hydraulic lines:
Tubing 37° JIC Flare
Loop hoses SAE 100 R19

Hydraulic oil cooler:
Number of fins 10 per inch (3.94 cm)
Number of tube rows x columns 9 bar/plate
Area 130.7 in² (843.2 cm²)

Hydraulic filter Beta (4) = 75/spin-on
**HYDRAULICS CONT.**

<table>
<thead>
<tr>
<th>Lift cylinders:</th>
<th>Bucket cylinders:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore diameter</td>
<td>Bore diameter</td>
</tr>
<tr>
<td>2.75 in (69.85 mm)</td>
<td>3.0 in (76.2 mm)</td>
</tr>
<tr>
<td>Rod diameter</td>
<td>Rod diameter</td>
</tr>
<tr>
<td>1.75 in (44.5 mm)</td>
<td>1.5 in (38.1 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>Stroke</td>
</tr>
<tr>
<td>32.20 in (817.9 mm)</td>
<td>16.4 in (410.0 mm)</td>
</tr>
<tr>
<td>Closed length</td>
<td>Closed length</td>
</tr>
<tr>
<td>45.60 in (1158.0 mm)</td>
<td>24.0 in (610.0 mm)</td>
</tr>
</tbody>
</table>

**SERVICE CAPACITIES**

| Fuel Tank                           | 25.5 gal (96.5 L)                         |
| Engine oil w/ filter                | 8.9 qt (8.5 L)                            |
| Hydraulic system:                   |                                          |
| Reservoir                            | 6.0 gal (22.7 L)                          |
| Total                                | 11.9 gal (45.4 L)                         |
| Diesel Exhaust Fluid (DEF) Tank     | 2.8 gal (10.7 L)                          |

**PERFORMANCE SPECS**

- Rated operating capacity – ROC*: 35% of tipping load 2,380 lb (1,079 kg)
- 50% of tipping load 3,400 lb (1,542 kg)
- w/ additional counterweight 3,600 lb (1,633 kg)
- Tipping load* 6,800 lb (3,084 kg)
- Breakout forces @ 3,150 psi (217 bar)*:
  - Bucket cylinders 8,700 lb (38.7 kN)
  - Lift cylinders – hydraulic limit 7,760 lb (34.5 kN)
- Cycle times:
  - Raise 4.4 sec
  - Lower 2.6 sec
  - Dump 2.6 sec
  - Roll back 2.0 sec
- NOTE: *Measured using 78 in (1.98 m) foundry/excavating bucket.

**DIMENSIONS**

| A. Overall operating height:          | 157.8 in (4.01 m)                         |
| with foundry/excavating bucket        |                                          |
| with heavy-duty dirt bucket           |                                          |
| with low profile extended bucket      |                                          |
| Height to:                            |                                          |
| B. Bucket hinge pin                   | 126.5 in (3.22 m)                        |
| C. Top of ROPS                        | 80.4 in (2.04 m)                         |
| D. Bottom of level bucket, fully raised | 119.6 in (2.94 m)                   |
| Overall length:                       |                                          |
| E. without attachment with coupler    | 118.7 in (2.98 m)                        |
| F. with foundry/excavating bucket on ground | 143.5 in (3.64 m) |
| with heavy-duty bucket                | 143.7 in (3.64 m)                        |
| with low profile extended bucket      | 152.7 in (3.84 m)                        |
| G. Maximum dump angle                 | 38.1°                                    |
| H. Dump height:                       | 102.1 in (2.60 m) @ 38.1°                |
| with foundry/excavating bucket        | 99.9 in (2.54 m) @ 38.1°                 |
| with low profile bucket               |                                          |
| I. Dump reach at maximum height with heavy-duty bucket | 24.7 in (0.63 m) @ 38.1°               |
| Maximum attachment rollback:          |                                          |
| J. Bucket on ground                   | 29.7°                                    |
| K. Bucket at full height              | 99.7°                                    |
| L. Track on ground                    | 64.5 in (1.64 m)                         |
| M. Ground clearance – bottom of belly pan | 9.5 in (0.24 m)                        |
| N. Angle of departure                 | 32.0°                                    |
| Clearance circle:                     |                                          |
| O. without bucket                     | 57.7 in (1.40 m)                         |
| P. with 72 in (1.83 m) foundry/excavating bucket in carry position | 87.0 in (2.17 m) |
| with 72 in (1.83 m) heavy-duty bucket on ground | 90.8 in (2.25 m) |
| with 72 in (1.83 m) extended low profile on ground | 95.2 in (2.36 m) |
| Q. Clearance circle rear              | 71.2 in (1.79 m)                         |
| R. Track gauge                        | 58.3 in (1.48 m)                         |
| S. Over the track width               | 76.0 in (1.93 m)                         |

Line drawings are for illustrative purpose only and may not be exact representation of unit.
### TRACK SELECTION

<table>
<thead>
<tr>
<th>Type</th>
<th>Area</th>
<th>Ground Pressure</th>
<th>Width to Outside Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.7 in (450 mm)</td>
<td>2,286 in² (1.475 m²)</td>
<td>4.2 psi (29 kPa)</td>
<td>76 in (1.93 m)</td>
</tr>
</tbody>
</table>

### OPTIONAL BUCKETS

<table>
<thead>
<tr>
<th>Type</th>
<th>Width</th>
<th>Weight</th>
<th>Heaped Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dirt &amp; Foundry</td>
<td>78 in (1.98 m)</td>
<td>440 lb (200 kg)</td>
<td>17.7 ft³ (0.50 m³)</td>
</tr>
<tr>
<td>Low Profile Extended</td>
<td>78 in (1.98 m)</td>
<td>540 lb (245 kg)</td>
<td>19.1 ft³ (0.54 m³)</td>
</tr>
<tr>
<td></td>
<td>84 in (2.13 m)</td>
<td>575 lb (262 kg)</td>
<td>20.5 ft³ (0.58 m³)</td>
</tr>
<tr>
<td>Light Material</td>
<td>84 in (2.13 m)</td>
<td>540 lb (245 kg)</td>
<td>27.5 ft³ (0.78 m³)</td>
</tr>
<tr>
<td>Manure &amp; Slurry</td>
<td>84 in (2.13 m)</td>
<td>545 lb (245 kg)</td>
<td>22.6 ft³ (0.64 m³)</td>
</tr>
<tr>
<td>Heavy-Duty</td>
<td>78 in (1.98 m)</td>
<td>530 lb (245 kg)</td>
<td>15.5 ft³ (0.44 m³)</td>
</tr>
<tr>
<td></td>
<td>84 in (2.13 m)</td>
<td>550 lb (250 kg)</td>
<td>17.0 ft³ (0.48 m³)</td>
</tr>
<tr>
<td>Heavy-Duty with spillguard</td>
<td>78 in (1.98 m)</td>
<td>605 lb (275 kg)</td>
<td>19.8 ft³ (0.56 m³)</td>
</tr>
<tr>
<td></td>
<td>84 in (2.13 m)</td>
<td>640 lb (290 kg)</td>
<td>21.5 ft³ (0.61 m³)</td>
</tr>
</tbody>
</table>

### STANDARD EQUIPMENT

#### OPERATOR ENVIRONMENT

See page 1

#### ENGINE

FPT F5H FL463 A’F001
207 CID (3.4 L) Turbo
Tier 4 Final Certified
Selective Catalytic Reduction (SCR)
Charged Air Cooler (CAC)
High Pressure Common Rail (HPCR)
Fuel injection

- Horsepower:
  - Gross: 90 hp (67 kW)
  - Net: 84 hp (63 kW)
- Peak torque: 282 lb·ft (383 N·m)
- 160 amp alternator
- Dual element air cleaner
- Organic Acid Technology (OAT)
- Anti-freeze solution to -34°F
- Fuel tank: 25.5 gal (U.S.)
- Over and under radiator and oil cooler
- 3-stack after cooler/radiator/oil cooler configuration
- Glow plugs
- Integral engine oil cooler
- Fuel filter with water trap
- 1,000 CCA 12V battery
- Master electrical disconnect
- Jump Start Terminal

#### DRIVETRAIN

2-speed hydrostatic four wheel drive
SAHR disc parking brake

#### HYDRAULICS

Auxiliary hydraulics:
- @ 3,050 psi (210 bar) ~ 24.2 gpm (91.5 L/min)
- 6 micron oil filtration system
- 3-spool loader control valve
- Auxiliary hydraulic disconnects, ISO flat-face – connect-under-pressure with case drain
- Hydraulic circuit pedal lock
- Auxiliary function lockout override
- Loader lift lockout override
- Heavy-duty hydraulic oil cooler
- Loader arm float position
- Loader function lockout system

#### LOADER

Heavy Duty Hydraulic attachment coupler
Radial lift geometry
Loader lift arm support strut
SAE operating load: 3,400 lbs
Tipping load: 6,800 lbs

#### TRACKS

HiQual S-Wave Tracks

#### OTHER STANDARD FEATURES

- Halogen lights - 2 front, 2 side, 2 rear flood
- Heavy duty front lights
- Pre-wired for rotating beacon
- Lockable service access hood
- Single-point daily servicing
- Rear tail lights
- Remote oil drain
- Remote oil and fuel filters
- Block heater
- Debris ingress sealing
- Mounting points for add-on counterweights
- Heavy duty rear door
OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

- ROPS/FOPS Level 1 canopy with side screens
- Keyed start ignition
- Ventilation system with integrated heater
- Electro-hydraulic controls:
  - For drive/steering, loader functions
  - Switchable between H and ISO patterns
  - Adjustable sensitivity of controls
- Mechanical hand controls
- Hand and foot controls:
  - Hand controls the loader drive function and foot controls the bucket and boom
- Non suspension seat
- Suspension seat, vinyl
- Open cab interior trim package
- Demolition cab door with polycarbonate FOPS Level 2
- Heavy duty rear door

HYDRAULICS

- High-flow auxiliary hydraulics – combined:
  @ 3,050 psi (210 bar) – 37.6 gpm (142.5 L/min)
- Enhanced High-flow auxiliary hydraulics – EHF:
  @ 4,000 psi (276 bar) – 35.0 gpm (132.5 L/min)
- Second auxiliary hydraulics
- Hydraulic one-way self-leveling
- Ride control

LOADER

- Auxiliary front electric control
- Manual attachment coupler

OTHER

- Language decals
- Factory-installed tires – see page 3
- Buckets – see page 3
- Bolt-on bucket cutting edges
- Bolt-on heavy-duty bucket spill guard
- Special paint
- Offsite service arrangement
- Telematics

FACTORY SUPPLIED ATTACHMENTS

- Add-on counterweights
- Road lights
- Rotating beacon
- Four-corner LED strobe
- Bolt-on heavy-duty bucket teeth
- 48 in (1.22 m) pallet forks

SERVICE PARTS

- 3 inch (76.2 mm) retractable seat belt

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