



Tigercat forwarders, ranging in capacity from 14 to 25 tonne, are designed to achieve high production and lowest cost per tonne in the world's most demanding transporting applications.

BENEFITS AND ADVANTAGES:

Powerful, efficient Tigercat FPT engine

- Extremely quiet and fuel efficient
- Simple, reliable SCR emission control technology for Tier 4f

Innovative low-wide bunk system with Tigercat high capacity hooked crane

- Clear sight line to the top of the load, reduced operator strain
- Expands the working envelope of the crane

Unique Tigercat hooked crane design

- More lift power and slew torque than competing class cranes
- Durable design, high quality components
- Decreased load and unload cycle time for higher productivity
- High capacity Tigercat grapples

Excellent access to components and daily service points

- Strong tilt-out hood enclosure provides excellent access to both sides of the engine and daily service points
- All control valves are located in a single compartment at convenient working height

Efficient high-capacity cooling system

- Automatic variable fan speed for improved fuel efficiency
- Reversing cycle to easily clean the heat exchangers

Heavy duty construction for demanding applications and large, heavy payloads

- Thick steel plate used throughout the wagon frame
- Large pins and tapered roller bearings in oscillation and articulation joints

Excellent stability enables the operator to load while traveling for increased production

- Tigercat's unique centre section design promotes higher stability and reduced reliance on the oscillation lock

Extreme duty, wide-spread bogie axles for 1075C and 1085C

- Wide-spread bogie provides extra flotation when equipped with tracks and eliminates bogie-lift on steep slopes
- Increased wheel stance provides a smoother ride for the operator

Ergonomic cabin with refined interior finish

- Improved visibility and ergonomics for higher production and reduced operator fatigue
- Low interior noise levels and improved climate control for greater operator comfort
- Activity log to monitor machine utilization



Tigercat cranes

- Lift 20-30% heavier loads with 22-66% more slew torque than competing class cranes
- Optimal geometry for quick loading and unloading cycles
- High grapple clearance above the load
- End-of-position dampening sensors to prevent impact loads
- Tapered roller bearing in the slew base designed to last the life of the machine
- Equipped with swivels on the pillar hoses for extended hose life
- Thick walled bushings used at all pivots
- Cushioned telescopic cylinder

The Tigercat FG43 and FG53 grapples compliment the powerful Tigercat F195T85 crane with larger load areas for quicker cycles. Thick walled bushings, heavy duty Tigercat link, rotator and swing dampener with superior hose routing.

The command centre. Expansive, comfortable operator's station. Excellent visibility to the wheels and the load area through extra tall windows. Excellent ergonomics and low in-cab noise levels for high productivity during long shifts.





low-wide™

Tigercat's unique low-wide angled bunk system combined with the Tigercat hooked crane expands the working envelope of the crane for reduced machine travel, decreased loading and unloading cycle time, and improved productivity.

Operator visibility and ergonomics are enhanced. The operator enjoys a clear sightline to the top of the load, increasing log placement accuracy and decreasing cycle times. In addition, the grapple stays within the operator's view through the entire loading and unloading cycle for reduced operator strain.



The 1085C is a super high capacity 25-tonne forwarder designed for the highest production and most hostile operating conditions.

The 1085C is designed to quickly load and carry very heavy payloads over extreme terrain. It is well suited to uphill forwarding, long distances and heavy logs.

The 1085C is equipped with a full Tigercat driveline:

- Severe duty 25-tonne rated Tigercat bogie axles
- Robust single range Tigercat transmission with infinitely variable speed control from zero to maximum

widerANGE®

Tigercat's WideRange transmission offers many advantages:

- Extremely high tractive effort for high performance and full loads when travelling up steep slopes
- Quicker working travel speeds compared with a conventional two-speed transmission
- Excellent fuel efficiency



The bogie axles are equipped with a friction clutch differential lock or MDDL (multi disc differential lock). This allows the operator to engage and disengage the differential locks while the machine is moving for increased productivity.

Power and Stability

The 1075C and 1085C are specifically designed for Tigercat's new high capacity F195T85 crane and the high capacity Tigercat FG43 and FG53 grapples. Confidently take a bigger bite for quicker loading and unloading times with Tigercat high capacity grapples.



Excellent access to the engine and after treatment components. The strong steel tilting engine house cover protects the engine and cooling system components and acts as a work platform when opened up. No add on guarding is required.



Tigercat forwarders are equipped with a unique centre section. The oscillation joint is situated on the wagon frame for high stability when turning, operating on slopes and loading with the crane at extension. The centre section is constructed with large pins and tapered roller bearings for low maintenance and long life.

SPECIFICATIONS	1055C	1075C	1085C
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DIMENSIONS

LENGTH	9 825 mm (387 in)	11 412 mm (449 in)	11 412 mm (449 in)
WIDTH minimum	2 975 mm (117 in)	3 090 mm (122 in)	3 315 mm (131 in)
WIDTH wide offset rim	N/A	3 310 mm (130 in)	3 345 mm (132 in)
HEIGHT	3 680 mm (145 in)	3 833 mm (151 in)	3 848 mm (152 in)
GROUND CLEARANCE	690 mm (27 in)	700 mm (28 in)	716 mm (28 in)
WEIGHT	18 360 kg (40,390 lb)	23 540 kg (51,790 lb)	27 325 kg (60,240 lb)

POWER

ENGINE	Tigercat FPT N67 Tier 4f, 165 kw (225 hp) @ 1,800 rpm 151 kW (202 hp) @ 2,000 rpm	Tigercat FPT N67 Tier 4f, 230 kW (308 hp) @ 2,000 rpm 212 kW (284 hp) @ 2,200 rpm	Tigercat FPT N67 Tier 4f, 230 kW (308 hp) @ 2,000 rpm 212 kW (284 hp) @ 2,200 rpm
Optional	Tigercat FPT N67 Tier 2, 165 kW (225 hp) @ 1,800 rpm 151 kW (202 hp) @ 2,000 rpm	Tigercat FPT N67 Tier 2, 230 kW (308 hp) @ 2,000 rpm 205 kW (275 hp) @ 2,100 rpm	Tigercat FPT N67 Tier 2, 230 kW (308 hp) @ 2,000 rpm 205 kW (275 hp) @ 2,100 rpm
AIR FILTRATION	2-stage engine air cleaner	2-stage engine air cleaner	2-stage engine air cleaner
COOLING	Side-by-side aluminum radiator, oil cooler, charge air cooler	Side-by-side aluminum radiator, oil cooler, charge air cooler	Side-by-side aluminum radiator, oil cooler, charge air cooler
FAN	Hydraulically driven; Automatic variable speed with manual reversing cycle	Hydraulically driven; Automatic variable speed with manual reversing cycle	Hydraulically driven; Automatic variable speed with manual reversing cycle
FUEL CAPACITY	208 L (55 US gal)	225 L (60 US gal)	225 L (60 US gal)
Optional	N/A	370 L (98 US gal)	370 L (98 US gal)
DEF CAPACITY Tier 4f	43 L (11 US gal)	43 L (11 US gal)	43 L (11 US gal)

POWER TRAIN

TRANSMISSION	WideRange® drive; Variable speed hydrostatic (2) piston motors, infinitely variable	2-speed gearbox; Variable speed hydrostatic	WideRange® drive; Variable speed hydrostatic (2) piston motors, infinitely variable
SPEED RANGE	0-11 km/h (0-6.8 mph)	Low range: 0-5,6 km/h (0-3.5 mph) High range: 0-17,5 km/h (0-11 mph)	0-7,9 km/h (0-4.9 mph)

AXLES

FRONT/REAR	14 t (15.4 tn) rated bogie	20 t (22 tn) rated bogie	25 t (27.5 tn) Tigercat ROB17 bogie, outboard planetary, barrel differential
DIFFERENTIAL LOCKS	Independent front and rear, friction clutch style Engage while travelling	Independent front and rear, friction clutch style Engage while travelling	Independent front and rear, friction clutch style Engage while travelling

HYDRAULIC SYSTEM

PUMP, DRIVE	Piston, closed loop	Piston, closed loop	Piston, closed loop
PUMP, MAIN	Piston	Piston	Piston
RESERVOIR	128 L (34 US gal)	128 L (34 US gal)	128 L (34 US gal)
FILTRATION	(5) spin-on, 7 micron full flow	(5) spin-on, 7 micron full flow	(5) spin-on, 7 micron full flow
CYLINDERS, STEER	(2) 83 mm (3.25 in) bore	(2) 100 mm (4 in) bore	(2) 100 mm (4 in) bore
CYLINDERS, BLADE (optional)	(2) 83 mm (3.25 in) bore	(2) 90 mm (3.5 in) bore	(2) 90 mm (3.5 in) bore

BRAKES

SERVICE BRAKE	Hydrostatic; Enclosed, oil cooled	Hydrostatic; Enclosed, oil cooled	Hydrostatic; Enclosed, oil cooled
SECONDARY BRAKE	Enclosed, oil cooled	Enclosed, oil cooled	Enclosed, oil cooled
PARK BRAKE	Spring applied; Enclosed	Spring applied; Enclosed	Spring applied; Enclosed

TIRES

FRONT/REAR	710/45x26.5	750/55x26.5	780/50x28.5
Optional	600/55x26.5; 700/50x26.5	54x37,25; 780/50x28.5	N/A

CRANE

STANDARD	Loglift F91-F79 with telescopic stick	Tigercat F165T85 with telescopic stick	Tigercat F195T85 with telescopic stick
REACH	7 870 mm (310 in)	8 500 mm (335 in)	8 500 mm (335 in)
LIFT TORQUE gross	125 kN-m (92,195 lbf-ft)	165 kN-m (121,700 lbf-ft)	195 kN-m (143,825 lbf-ft)
SLEW TORQUE gross	34,2 kN-m (25,225 lbf-ft)	41 kN-m (30,250 lbf-ft)	55 kN-m (40,565 lbf-ft)
OPTIONAL	Tigercat F135	Tigercat F195T85 with telescopic stick	N/A
REACH	8 500 mm (335 in)	8 500 mm (335 in)	N/A
LIFT TORQUE gross	137 kN-m (101,043 lbf-ft)	195 kN-m (143,825 lbf-ft)	N/A
SLEW TORQUE gross	37 kN-m (27,289 lbf-ft)	55 kN-m (40,565 lbf-ft)	N/A

GRAPPLE

STANDARD	Hultdins SG360	Tigercat FG43	Tigercat FG43
Optional	Hultdins SG260S, SG300S, SG360S	Hultdins SG360S; Hultdins SG420 Tigercat FG53	Tigercat FG53
ROTATOR	Indexator GV12S	Tigercat heavy duty	Tigercat heavy duty

WAGON FRAME

CAPACITY	14 000 kg (30,860 lb)	20 000 kg (44,100 lb)	25 000 kg (55,115 lb)
LOAD LENGTH	4 400 mm (173 in)	5 560 mm (219 in)	5 560 mm (219 in)
Optional	5 560 mm (219 in)	4 400 mm (173 in)	4 400 mm (173 in)

SPECIFICATIONS

1055C

1075C

1085C

EXPANDABLE BUNK

MINIMUM (WIDTH/LOAD AREA)	2 565 mm (101 in) / 3,9 m ² (42 ft ²)	3 105 mm (122 in) / 5,6 m ² (60 ft ²)	3 105 mm (122 in) / 5,6 m ² (60 ft ²)
MID POSITION (WIDTH/LOAD AREA)	2 960 mm (116 in) / 4,6 m ² (50 ft ²)	3 500 mm (138 in) / 6,3 m ² (68 ft ²)	3 500 mm (138 in) / 6,3 m ² (68 ft ²)
MAXIMUM (WIDTH/LOAD AREA)	3 370 mm (133 in) / 5,2 m ² (56 ft ²)	4 200 mm (165 in) / 7,6 m ² (82 ft ²)	4 200 mm (165 in) / 7,6 m ² (82 ft ²)
GATE	Sliding	Sliding	Sliding
Optional	Movable, 600 mm (24 in) fore/aft	Movable, 600 mm (24 in) fore/aft	Movable, 600 mm (24 in) fore/aft

LOW-WIDE BUNK SYSTEM STANDARD

MINIMUM (WIDTH/LOAD AREA)	N/A	3 455 mm (136 in) / 5.75 m ² (62 ft ²)	3 455 mm (136 in) / 5.75 m ² (62 ft ²)
MID POSITION (WIDTH/LOAD AREA)	N/A	N/A	3 795 mm (149 in) / 6.25 m ² (67 ft ²)
MAXIMUM (WIDTH/LOAD AREA)	N/A	3 795 mm (149 in) / 6.25 m ² (67 ft ²)	4 530 mm (136 in) / 7.50 m ² (81 ft ²)
TRANSPORT WIDTH	N/A	3 085 mm (121 in)	3 090 mm (122 in)
GATE	N/A	Fixed (optional moving)	Fixed (optional moving)

LOW-WIDE BUNK SYSTEM OPTIONAL

MINIMUM (WIDTH/LOAD AREA)	N/A	3 455 mm (136 in) / 5.75 m ² (62 ft ²)	N/A
MID POSITION (WIDTH/LOAD AREA)	N/A	3 795 mm (149 in) / 6.25 m ² (67 ft ²)	N/A
MAXIMUM (WIDTH/LOAD AREA)	N/A	4 530 mm (136 in) / 7.50 m ² (81 ft ²)	N/A
TRANSPORT WIDTH	N/A	3 090 mm (122 in)	N/A
GATE	N/A	Fixed (optional moving)	N/A

ELECTRICAL

BATTERY	(2) 950 CCA, 12 v	(2) 950 CCA, 12 v	(2) 950 CCA, 12 v
ALTERNATOR	140 amp, 24 v	140 amp, 24 v	140 amp, 24 v
SYSTEM VOLTAGE	24 v	24 v	24 v
LIGHTING	(20) LED	(22) LED	(22) LED

OPERATOR'S STATION

CAB	Pressurized, insulated and isolation mounted with constant temperature A/C and heater; Reverse sloping windshield Extended side and rear windows; (2) exits; Computerized machine monitoring system; Stereo radio/cd player
SEAT	Air ride, extreme duty, fully adjustable; Rotating with lumbar support and armrests
OPERATOR CONTROLS	Electronic for all functions; Mini-joystick for steering Electronic control system with colour LCD display screen for machine monitoring and function adjustment

OPTIONAL EQUIPMENT

Snow blade; Brush guard; Air compressor Block heater; Fuel heater; Coolant heater Window blinds; Side window wipers Road lights; Boarding platform; 25T Pintle hitch Bunk slides; Loglift F91-FT85, F91-FT100 cranes Dual screen rearview camera system 600 mm (24 in) tail extension	Snow blade; Brush guard; Air compressor Block heater; Fuel heater; Coolant heater Window blinds; Side window wipers Road lights; Boarding platform; 25T Pintle hitch Bunk slides; Loglift F111-F85 crane Dual screen rearview camera system 600 mm (24 in) tail extension	Snow blade; Brush guard; Air compressor Block heater; Fuel heater; Coolant heater Window blinds; Side window wipers Road lights; Boarding platform; 25T Pintle hitch Bunk slides Dual screen rearview camera system 600 mm (24 in) tail extension
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TIGERCAT RESERVES THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE



Tigercat FPT engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy. The Tier 4f emission technology is simple and reliable without complex add-on components. The key is the patented selective catalyst reduction (SCR) system. Tigercat FPT engines offer improved reliability and lower long-term maintenance costs.

TIGERCATPOWER.
TIGERCATSUPPORT.

1055C FORWARDER



The 1055C is a heavy duty 14-tonne forwarder for selective felling, final felling and biomass applications.

1075C FORWARDER



The 1075C is an extreme duty 20-tonne forwarder for final felling applications, long distance forwarding and scarifying applications.

1085C FORWARDER



The 1085C is a severe duty 25-tonne forwarder built for extreme terrain and the most demanding, high production forwarding applications.

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