

C-SERIES FORWARDERS



TIGERCAT FORWARDERS, ARE DESIGNED TO ACHIEVE HIGH PRODUCTION AND LOWEST COST PER TONNE IN THE WORLD'S MOST DEMANDING TRANSPORTING APPLICATIONS.

- Innovative low-wide bunk system with Tigercat high capacity hooked crane
- Heavy duty construction for demanding applications and large, heavy payloads
- Ergonomic cabin with refined interior finish

THE 1055C

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



THE 1075C

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



THE 1085C

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



Tigercat[®]
Tough • Reliable • Productive



UNIQUE TIGERCAT HOOKED CRANE DESIGN

- Lift heavier loads with 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

HIGH CAPACITY TIGERCAT GRAPPLES

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.

INNOVATIVE LOW-WIDE BUNK SYSTEM WITH TIGERCAT HIGH CAPACITY HOOKED CRANE

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.



LOW-WIDE BUNK ADVANTAGES

- Clear sight line to the top of the load, reducing operator strain
- Larger working envelope of the crane
- Easier crane operation decreasing loading and unloading cycle times
- Reduced chance of crane contact with gate or bunk stakes
- Increased log placement accuracy
- Grapple stays within operator's view through the entire loading cycle

low-wide®

Tigercat®
by **FPT**
POWERTRAIN TECHNOLOGIES

TIGERCAT FPT ENGINE TECHNOLOGY

Tigercat FPT Tier 2 and Tier 4f engines offer quick load response, low operating costs and high power density, combined with excellent fuel economy.

The second-generation common rail fuel injection system provides top performance in the most demanding applications.

Tigercat FPT Tier 4f emission technology is simple and reliable. The Tier 4f configuration meets emission standards without complex add-on components. The key is the patented selective catalyst reduction (SCR) after-treatment system.

Tigercat FPT engines offer improved reliability and lower long-term maintenance costs – the clear power choice for forestry and off-road industrial applications.

TIGERCAT**POWER.**
TIGERCAT**SUPPORT.**



BUILT TOUGH



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.

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.



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
- Designed and manufactured by Tigercat

THE STRONGEST CHOICE

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.

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.



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.



SPECIFICATIONS

1055C

1075C

1085C

DIMENSIONS			
LENGTH	9 995 mm (394 in)	11 412 mm (449 in)	11 412 mm (449 in)
WIDTH minimum	2 940 mm (116 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	3 615 mm (142 in)	3 833 mm (151 in)	3 848 mm (152 in)
GROUND CLEARANCE	565 mm (22 in)	700 mm (28 in)	716 mm (28 in)
WEIGHT	22 150 kg (48,830 lb)	23 540 kg (51,790 lb)	27 325 kg (60,240 lb)
POWER			
ENGINE Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f	Tigercat FPT N67 Tier 4f
▶ RATED	165 kW (221 hp) @ 1,900 rpm	230 kW (308 hp) @ 2,000 rpm	230 kW (308 hp) @ 2,000 rpm
▶ PEAK	159 kW (213 hp) @ 2,100 rpm	222 kW (298 hp) @ 2,100 rpm	222 kW (298 hp) @ 2,100 rpm
ENGINE Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2	Tigercat FPT N67 Tier 2
▶ RATED	165 kW (221 hp) @ 1,900 rpm	230 kW (308 hp) @ 2,000 rpm	230 kW (308 hp) @ 2,000 rpm
▶ PEAK	159 kW (213 hp) @ 2,100 rpm	205 kW (275 hp) @ 2,100 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 usable	343 L (90 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)
		428 L (113 US gal)	428 L (113 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	Tigercat F135T85 with telescopic stick	Tigercat F165T85 with telescopic stick	Tigercat F195T85 with telescopic stick
REACH	8 500 mm (335 in)	8 500 mm (335 in)	8 500 mm (335 in)
LIFT TORQUE gross	137 kN-m (101,043 lbf-ft)	165 kN-m (121,700 lbf-ft)	195 kN-m (143,825 lbf-ft)
SLEW TORQUE gross	37 kN-m (27,289 lbf-ft)	41 kN-m (30,250 lbf-ft)	55 kN-m (40,565 lbf-ft)
OPTIONAL	N/A	Tigercat F195T85 with telescopic stick	N/A
REACH		8 500 mm (335 in)	
LIFT TORQUE gross		195 kN-m (143,825 lbf-ft)	
SLEW TORQUE gross		55 kN-m (40,565 lbf-ft)	

1055C

1075C

1085C

GRAPPLE			
STANDARD	Hultdins SG360	Tigercat FG43	Tigercat FG43
► Optional	Hultdins SG260S, SG300S, SG360S	Hultdins SG360S; Hultdins SG420 Tigercat FG53	Tigercat FG53
ROTATOR	Tigercat heavy duty	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) 5 000 mm (197 in)	4 400 mm (173 in)	4 400 mm (173 in)
EXPANDABLE BUNK			
MINIMUM (WIDTH/LOAD AREA)	N/A	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)	N/A	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)	N/A	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	N/A	Sliding	Sliding
► Optional	N/A	Movable, 600 mm (24 in) fore/aft	Movable, 600 mm (24 in) fore/aft
LOW-WIDE BUNK SYSTEM STANDARD			
MINIMUM (WIDTH/LOAD AREA)	2 694 mm (106 in) / 4 m ² (43 ft ²)	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)	2 941 mm (116 in) / 4.6 m ² (49 ft ²)	N/A	3 795 mm (149 in) / 6.25 m ² (67 ft ²)
MAXIMUM (WIDTH/LOAD AREA)	3 380 mm (133 in) / 5.25 m ² (56 ft ²)	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	2 694 mm (106 in)	3 085 mm (121 in)	3 090 mm (122 in)
GATE	Fixed (optional moving)	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	(22) 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; Boarding platform		
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; Block heater Coolant heater Window blinds; Side window wipers Road lights; 25T Pintle hitch Dual screen rearview camera system 600 mm (24 in) tail extension RemoteLog™ telematics system	Snow blade; Block heater Coolant heater; Window blinds Side window wipers; Road lights 25T Pintle hitch Bunk slides Dual screen rearview camera system 600 mm (24 in) tail extension RemoteLog™ telematics system	Snow blade; Block heater Coolant heater; Window blinds Side window wipers; Road lights 25T Pintle hitch Bunk slides Dual screen rearview camera system 600 mm (24 in) tail extension RemoteLog™ telematics system

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THE 1075C



THE 1085C



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