

# CUSTOMIZED MAINTENANCE EQUIPMENT FOR RAILROAD EXCELLENCE

**FD-PEGASUS 40.25/45.30/50.21/60.16**



## VERSATILE EQUIPMENT FOR MANY APPLICATIONS

- 360° CONTINUOUS ROTATION
- TELESCOPIC BOOM
- 4 WHEEL STEER
- UNLIMITED ATTACHMENTS

	40.25	45.30	50.21	60.16
<b>Performance</b>				
Maximum capacity	8,818 lb (4,000 kg)	9,921 lb (4500 kg)	11,023 lb (5,000 kg)	13,227 lb (6,000 kg)
Maximum lifting height	80'4" (24,5 m)	97" (29,6 m)	67'3" (20,5 m)	51'6" (15,70 m)
Maximum horizontal boom extension	60'4" (18,41 m)	85" (26,0m)	59' (18 m)	42' 7" (13 m)
Tearing force	12,814 lbf (5,700 daN)	12,814 lbf (5,700 daN)	12,814 lbf (5,700 daN)	12,814 lbf (5,700 daN)
Towing force	21,132 lbf (9,400 daN)	22,481 lbf (9,000 daN)	21,132 lbf (9,400 daN)	20,233 lbf (9,000 daN)
Maximum allowable slope	40%	40%	40%	40%
Max speed on tires	25 mph (40 km/h)	25 mph (40 km/h)	25 mph (40 km/h)	25 mph (40 km/h)
Max speed on rail travel mode	25 mph (40 km/h)	25 mph (40 km/h)	25 mph (40 km/h)	25 mph (40 km/h)
Creep speed	opt.	opt.	opt.	opt.
Maximum rail cant travel mode	8°	8°	8°	8°
Maximum rail cant working mode	6°	6°	6°	6°
Maximum rail gradient	1 in 25	1 in 25	1 in 25	1 in 25
Minimum curve radius	167" (51 m)	167" (51 m)	167" (51 m)	167" (51 m)
<b>Engine</b>				
Model	FPT	FPT	FPT	FPT
Power	141 HP (105 kW)	170 HP (127 kW)	141 HP (105 kW)	141 HP (105 kW)
Revolutions	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke diesel	4-stroke diesel	4-stroke diesel	4-stroke diesel
Injection	Common-rail	Common-rail	Common-rail	Common-rail
Number and arrangement of cylinders	4, vertical in line	4, vertical in line	4, vertical in line	4, vertical in line
Engine size	274 in <sup>3</sup> (4485 cm <sup>3</sup> )	275 in <sup>3</sup> (4500 cm <sup>3</sup> )	274 in <sup>3</sup> (4485 cm <sup>3</sup> )	274 in <sup>3</sup> (4485 cm <sup>3</sup> )
Specific consumption - (g/kWh) @ 2200 rpm	208	280	208	208
Anti-pollution regulation	Stage 3B / Tier 4i	Stage IV/Tier 4f	Stage 3B / Tier 4i	Stage 3B / Tier 4i
<b>Hydraulic plant</b>				
Double gear pump with "Energy Saving" system				
Gear pump with capacity at max speed (lt/1')		135		
Max working pressure (bar)		230		
Control valve with joystick	5 in 1 proportional			
Simultaneous movements		5		
Proportional control distributor "Load Sensing" with "Flow Sharing"				
<b>Differential axles</b>				
Steering axles: 2, with planetary reduction gears				
Steering types: 4 wheels / transversal / 2 wheels				
Front axle: levelling				
Back axle: oscillating				
Oil bath service braking on the 4 wheels with double hydraulic plant and servo brake				
Negative action parking brake				
<b>Tires and wheels</b>				
Tires	18R22.5"			
Rail wheel diameter	20" (500 mm)			
<b>Rail gears</b>				
hydrostatic integrated drive				
hydrostatic braking plus service and park braking				
Trailer towing capabilities				
Operate on 150 mm cant				
<b>Refuelling (Litres)</b>				
Hydraulic plant (total)	71 gal. (270 L)			
Fuel tank	46 gal. (180 L)			
<b>Optionals and accessories</b>				
A/C; water heater; pneumatic seat suspension; light on boom head; quick attachment for accessories;				
radio; anti-theft alarm; glass protection; Led work lights, Transverse levelling device on wheels and others...				
<b>Safety devices</b>				
Movement block in case of overload, starting only with gear in neutral, running only with driver on board, automatic parking brake with engine stopped.				
Automatic transversal levelling with outriggers.				
Stabilizers block and levelling device with boom up.				
<b>Devices as per standard</b>				
ROPS - FOPS approval, suspension on silentblock, soundproof, ventilation and heating, openable rear glass and hood, double-glaze door with opening in the upper part, adjustable seat with seatbelt.				
Enables fitting a radio and adjustable steering wheel.				
3" TFT Monitor with load indicator and function diagnostics and rev counter, temperature, water and fuel level analogue indicators.				
Maximum turret rotation speed adjustment.				
Digital speedometer .				

# AN IRON HORSE WITH WINGS. WITH MANY ATTACHMENTS AVAILABLE, THE FD-PEGASUS LETS YOU WORK EITHER ON THE TRACK OR ABOVE THE TRACK.



With a lifting capacity of 4t to 6t, the FD-Pegasus can be your best everyday **rail crane**.



Use different types of baskets, be closer and safer to your **cliff stabilization** work.

Negative boom attachment option gives you access to **underbridge** work and inspections.



Rail **tunnel** maintenance work and cleaning.

Easy **catenary** maintenance with the FD-Pegasus telescoping boom.



Get access to limited railway construction sites or underneath structures.

All terrain capabilities  
Advanced maneuverability,  
visibility & safety  
Radio remote control system  
Self-leveling outriggers



CLEANING, SNOW REMOVAL, HANDLING, LOADING/UNLOADING

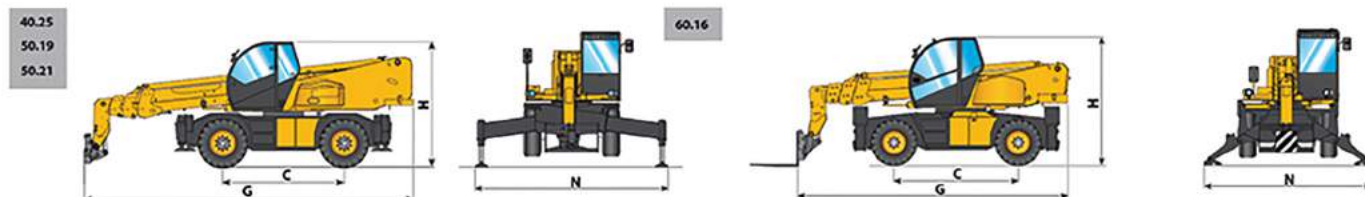


## Additional options

- Railcar coupler attachment
- Towhook attachment

## Dimension & weight

	40.25	45.30	50.21	60.16
Length	26'3" (8000 mm)	27'6" (8400 mm)	23'5" (7150 mm)	22' (6720 mm)
Width	16'7" (5070 mm)	18'5" (5625 mm)	16'7" (5070 mm)	12'6" (3820 mm)
Height	9'11" (3025 mm)	10'2" (3095 mm)	9'11" (3025 mm)	9'11" (3025 mm)
WheelBase	9'8" (2950 mm)	10'9" (3300 mm)	9'8" (2950 mm)	9'8" (2950 mm)
Weight	50,826 lb (23,100 kg)	58,642 lb (26,600 kg)	51,015 lb (23,140 kg)	48,942 lb (22,200 kg)



**TURNKEY SOLUTIONS**  
**CONSULTANT EXPERTISE**  
**VALUED SATISFACTION**

Consultants F. Drapeau - Rail Division  
 2005 Industrie Blvd, Beloeil, Qc J3G 0S4

T: 450-467-2642

e: rail@fdrapeau.com