

# CUSTOMIZED MAINTENANCE EQUIPMENT FOR RAILROAD EXCELLENCE

## FD-HEATER 48T3/T4



# NECESSARY FOR HEATING AND RELIEVING STRESS FROM RAILS

- FULLY ENCLOSED PRESSURIZED CAB
- UP TO 5 MILLION BTU HEATING POWER PER SIDE
- BI-DIRECTIONAL SPEED UP TO 20 MPH (32 KM/H)

RAIL NORMALISATION IS A SAFETY REQUIREMENT WHEN LAYING NEW CONTINUOUS WELDED RAIL SYSTEM WHEREVER CLIMATE VARIATION HAPPENS:

- DAYS & NIGHT IN THE SOUTHERN PARTS OF THE GLOBE
- SEASONAL IN THE NORTHERN PARTS OF THE GLOBE

Hydrostatic **railgear** axles allowing same speed (20 mph - 32 km/h) on both directions as well as built-in hydraulic brakes. All elements are fully protected inside the axles.



Main 20 and 8 auxiliary burners develop a **heating power of 5 million BTU** per side. Because it is operated with Diesel fuel, better performances are reached in cold temperature in addition of better availability on site.



Vibrators, with air nozzle, help moving the rail and removing wood chips from tie drilling.



**Ergonomic controls**, including automatic bi-directional multi-functions driving joystick, wrap around the operator for maximum comfort and easy operations.



**Fully enclosed cab** with 360° view including high back 180° swivel seat for automatic bi-directional driving, air conditioning, heating, passenger bench and sound level below 85 dBA for operator's maximum comfort and safety.



**Automatic bi-directional driving and brake LED lights.**

**Additional features;** CAN Bus control system, day/night back-up camera, radio communication plug-in ready, air compressor.

### Additional options

- Remote control system package
- Double front vibrators and air nozzle
- Double auxiliary heaters
- Extension cart coupling-ready package
- Fire suppression kit



**FD-HEATER 48 T3/T4**

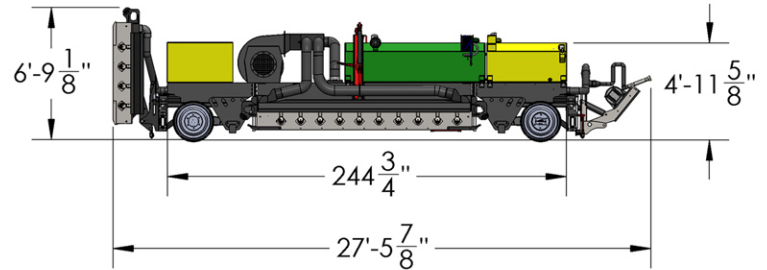
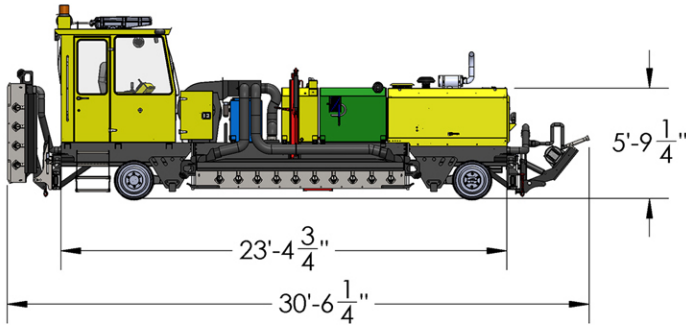
**FD-HEATER 48EC**

(extension cart)

<b>Engine - Cummins Electronic Turbo-Charge Diesel Engine</b>		
<b>QSB 4.5 Liter - Meets EPA Interim Tier 3\EU Stage IIIA emissions</b>	STD	—
Configuration	In-line 4 cylinder	—
Horsepower	110 HP (82kW) @ 2500 rpm	—
Maximum torque	360 LB-FT (488 N-m) @ 1500 rpm	—
<b>QSF 3.8 Liter - Meets EPA Interim Tier 4\EU Stage final emissions</b>	OPT	—
Configuration	In-line 4 cylinder	—
Horsepower	110 HP (82kW) @ 2500 rpm	—
Maximum torque	306 LB-FT (415 N-m) @ 1600 rpm	—
<b>Fuel Tank - with lockable cover</b>	231 gallons (875 L)	350 gallons (1,329 L)
<b>Powertrain</b>		
Neotec hydrostatic Axles bi-directional EPV 06.32	STD	—
Neotec freewheel axles	—	STD
4 wheel drive	STD	—
Bi-directional speed	20 mph (32 km\h)	—
<b>Wheels</b>		
Standard Gauge 56" 1\2 (1435 mm)	STD	STD
Diameter 22" 7\8 (580 mm)	STD	STD
<b>Brake System</b>		
Service braking - hydraulic	STD	STD
Parking brake - spring applied	STD	STD
<b>Burners</b>		
40 Diesel burners (20 per side) delivering 3,500,000 BTU	STD	STD
8 Diesel auxiliary burners delivering 1,500,000 BTU	STD	STD
Consumption; Gallons per hours with engine	52 GPH for 48 burners	52 GPH for 48 burners
<b>Vibrator &amp; Air Nozzle</b>		
One swinging left to right with float	STD	One fixed = OPT
<b>Water Tank</b>		
Tank capacity	125 gallons (475 L)	125 gallons (475 L)
Water hose	STD	STD
<b>Operator Cabin</b>		
Interior cubic feet	216 cu. ft.	—
HVAC system	STD	—
Auxiliary heater	STD	—
Insulated	STD	—
Bi-directional swivelling seat with ergonomic controls on armrests	STD	—
Pressurized cabin with smoke filter	STD	—
2 passenger seats	STD	—
Access door on both side	STD	—
2 side steps with grab handles	STD	—
<b>Automatic Shutdown &amp; Alerts</b>		
Automatic shutdown: high engine temp., low engine oil pressure and coolant level	STD	—
Alerts for low engine coolant level, low hydraulic oil and fuel level	STD	—
<b>Electrical</b>		
24 Volt system	STD	STD
Digital instrumentation system - SAE-J1939 CAN-BUS Control System	STD	STD
2 LCD 2.8" HMI display for real-time statistics and diagnosis data	STD	—
<b>Lighting &amp; Safety</b>		
4 Automatic bi-directional LED driving lights 4800 Lumens	STD	Only 2
4 Automatic bi-directional LED brake lights 4800 Lumens	STD	Only 2
1 Stroboscopic top light	STD	—
4 working LED lights 4800 Lumens	STD	STD
Backup alarm	STD	STD
Derail protection bars	STD	STD
<b>Additional Features</b>		
12V radio communication system plug-in ready	STD	—
<b>Available Options</b>		
Remote control system package	OPT	—
Double front vibrators and air nozzle	OPT	—
Double auxiliary heaters	OPT	—
Extension cart coupling-ready package	OPT	—
Fire suppression kit	OPT	—

## Dimensions & Weight

	Main unit	Extension cart
Length	365" (9,271 mm)	330" (8,382 mm)
Width	93" (2,362 mm)	93" (2,362 mm)
Height	118" (2,997 mm)	81" (2,057 mm)
Wheelbase	212" (5,385 mm)	212" (5,385 mm)
Weight (fuel and water tank filled)	23,000 lbs (10,455 kg)	17,000 lbs (7,727 kg)



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Consultants F. Drapeau - Rail Division  
2005 Industrie Blvd, Beloeil, Qc J3G 4S5  
T: 450-467-2642  
e: rail@fdrapeau.com  
www.fdrapeau.com