



FCM Rail Ltd.

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Manufacturer	Model	Asset ID
Harsco	Super Broom	787

Serial #	6390367
Year	1997
Engine	Detroit Diesel 3-53



Super Broom

The Super Broom features a single broom reel of considerably larger diameter and rotating at a reduced speed and broom tip velocity as compared to other track brooms. It utilizes a conveying system rather than directional baffle plates to transport the broomed material to the track shoulder. The arrangement provides one-pass production rates and finished track quality that equals or exceeds that of other brooms. The Super Broom is equipped with dust control and noise reduction features to help meet environmental requirements for dust and noise emissions. The unit is equipped with plows on each side of the machine to distribute and shape the broomed material to the shoulder slope.

Major Features:

- Dust control and noise reduction features help meet environmental requirements for dust and noise emissions.
- Large diameter reel provides high quality track finishing.
- Auger-type conveyor system moves broomed material to track shoulder.

Super Broom Model 79 Specifications

GENERAL

- Machine — Super Broom
- Model — M79
- Frame — Welded steel fabrication
- Wheels — 20-in. (508-mm)-diameter single flange (steel)
- Insulation — Optional
- Brakes — Shoe type, Air-operated
- Propelling — Hydraulically self propelled

Travel speed: 30-mph (48.3-km/h), – Work speed: variable 44 - 88-fpm (13.4-m - 26.8-mpm)

POWER UNIT

- Engine — Detroit Diesel 3-53

WORK HEADS

- Broom — Hydraulically driven, 50-in. (1270-mm) diameter, 9-ft. (2.7-m) sweeping width, 288 each, 18-in. (457.2-mm) long rubber brushes
- Cross Conveyor — Hydraulically driven auger, 14-in. (355.6-mm) diameter, Transfers broomed ballast on each side of track
- Plows — Hydraulically raised and lowered, Two - one on either side of machine
- Dust Control System — Hydraulically driven in series with broom drive. Mounted on top of broom housing, self contained air flushing system. Broom housing totally enclosed with double row of rubber skirts. Six filter elements

DIMENSIONS

- Height — 7.51-ft. (2298.7-mm)
- Width — 10.43-ft. (3181.4-mm)
- Length — 18.62-ft. (5.7-m)
- Wheelbase — 13.89-ft. (4.2-m)

WEIGHT

- Standard Operating Weight — Approximately 18,000 lbs. (8163.8-kg). Actual weight of a specific machine may vary according to sales groups applied.