

MECFOR CASTHOUSE SOLUTION





ONE VEHICLE, MANY POSSIBILITIES

Optimizing your Casthouse fleet with Mecfor MVR equipment for greater versatility and interchangeability

LOADING

TENDING

FORKLIFT

CUSTOM



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Quick change of tool - within a few seconds - no need to get out of the vehicle. Two hydraulic functions transferred to the specialized tool for the casthouse operations: Loading, Stirring, Skimming and Cleaning.

MECFOR is rethinking how operations are conducted within the casthouse. The QuickConnect SMART TOOL is the next step in furnace loading and tending Operations whereas the equipment, once connected to the tool, will recognize the operation to be made and control the human factor.

Benefits of the QuickConnect System

- Optimization of vehicle fleet
- Lower maintenance costs
- Safety of operation
- Proven QuickConnect design
- Customizable
- Designed for harsh working environment
- Safety
- Flexibility
- Productivity



Mecfor Casthouse Solution results from many years of R&D along with continuous improvement exercises carried out in partnership with clients and suppliers.

Proven application

 Proven efficiency



- Versatility
- Standardization
- Sturdiness & Durability
- Cross-sector Application
- Fleet Reduction
- Great Interchangeability
- Works under Strong Magnetic Field



	Forklift	Loader	Specialized	MVR
Quick-connect	●	●	●	●
Speed	●	●	●	●
Versatility	●	●	●	●
Visibility/ ergonomics	●	●	●	●
Size	●	●	●	●
Charging Capacity	●	●	●	●
Cleaning Capacity	●	●	●	●
Designed for Casthouse	●	●	●	●
Smart Tool	●	●	●	●

● Yes ● No ● Sometimes

Description of basic standard vehicle

MVR20

MVR22

MVR35ST

MVR35



GENERAL INFORMATION

	Metric (Imperial)	Metric (Imperial)	Metric (Imperial)	Metric (Imperial)
Maximum speed with load	16 Km/H (10mph)	16 km/h (10mph)	16 Km/H (10 mph)	16 Km/H (10 mph)
Tractive force @ 4km/h (2.52 mph)	60,643 N (13,600 lb)	60,643 N (13,600 lb)	60,643 N (13,600 lb)	69,000 N (15,500 lb)
Gradeability	7%	7%	7%	7%
Noise level inside the cab	<64 dBA	<64 dBA	<64 dBA	<64 dBA
Noise level at 7m from vehicle	<80 dBA	<80 dBA	<80 dBA	<80 dBA
Height	3,335 mm (131")	3,380 mm (133")	3,380 mm (133")	3,350 mm (132")
Width	1,700 mm (67")	1,800 mm (71")	1,880 mm (74")	2,620 mm (103")
Lenght (overall)	3,328 mm (152")	3,960 mm (156")	4,343 mm (171")	4,850 mm (191")
Wheelbase	2,500 mm (98,5")	2,500 mm (98,5")	2,794 mm (110")	2,795 mm (110")
Outside turning radius	3,400 mm (134")	3,530 mm (139")	3,848 mm (152")	4,620 mm (182")

MAST INFORMATION

Lifting capacity @ 610mm (24") in front of the fork	9,090 kg (20,000 lbs)	10,000 kg (22,000 lb)	15,900 kg (35,000 lb)	15,900 kg (35,000 lb)
Tilt cylinder (front-rear)	15-10 degrees	15-10 degrees	15-10 degrees	15-10 degrees
Lifting height	3,050 to 3,937 mm (120 to 155")	3,050 to 3,937 mm (120 to 155")	3,050 to 3,937 mm (120 to 155")	3 050 to 4 320 mm (120 to 170")
Side shift	200 mm - 200 mm (8 in-8 in)	200 mm - 200 mm (8 in-8 in)	200 mm - 200 mm (8 in-8 in)	250 mm - 250 mm (10 in- 10in)
Hydraulic quick coupling	Standard	Standard	Standard	Standard
Tool Electrical functions (12 volts)	2 functions	2 functions	2 functions	2 functions

ENGINE

Model	Cummins B 4,5	Cummins B 4,5	Cummins B 4,5	Cummins B 4,5
Gross power @ 2 000 RPM	110 KW (148 hp)	110 kw (148 hp)	110 KW (148 hp)	110 KW (148 hp)
Displacement	4,5 liters (272 cu.in.)	4,5 liters (272 cu.in.)	4,5 liters (272 cu.in.)	4,5 liters (272 cu.in.)

TRANSMISSION

Type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Pump	Sauer Danfoss serie 90 (100CC)	Sauer Danfoss serie 90 (100cc)	Sauer Danfoss serie 90 (100 cc)	Sauer Danfoss serie 90 (100 cc)
Motor	Sauer Danfoss serie H1 (160CC)	Sauer Danfoss serie H1 (160cc)	Sauer Danfoss serie H1 (160 cc)	Sauer Danfoss serie H1 (160 cc)