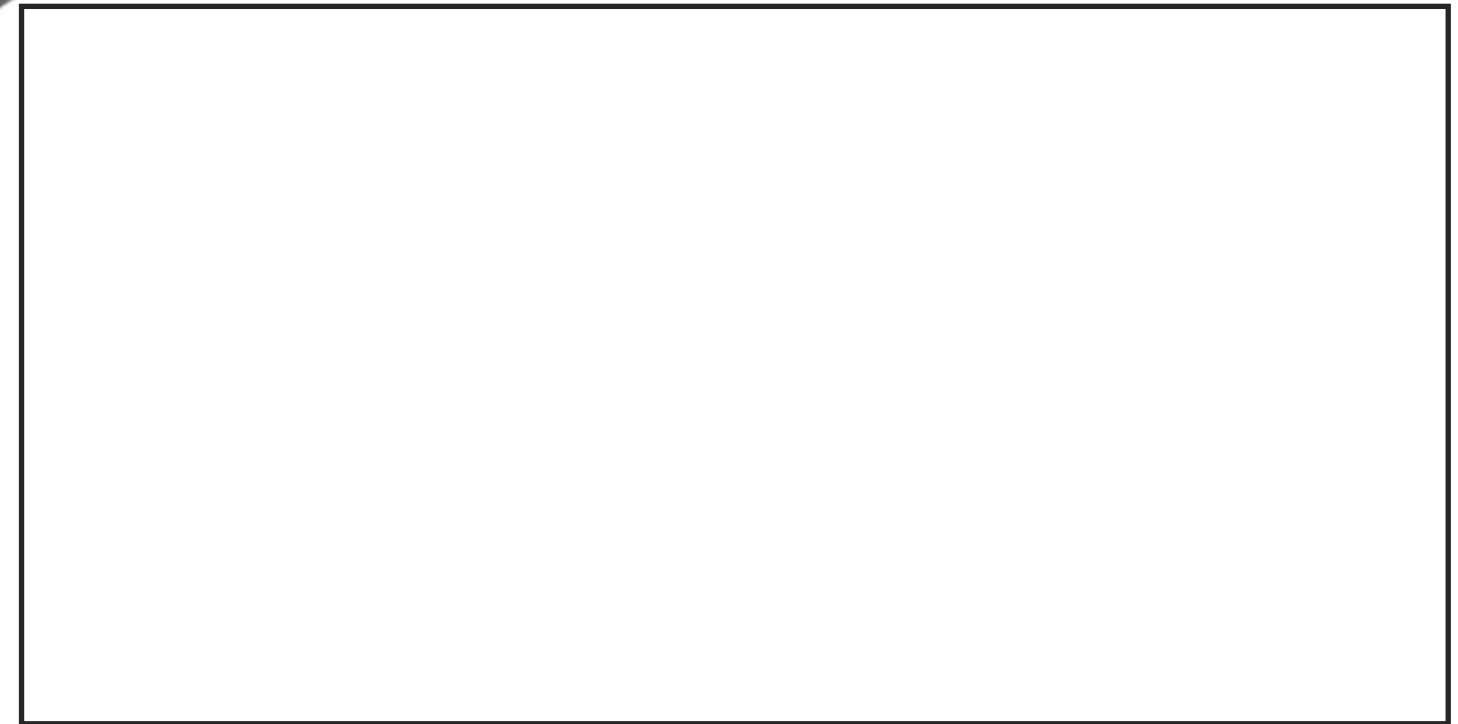


“BISON” THE DENEL MILITARY TRUCK FOR THE FUTURE



- The Next Generation of the old South African Military (SAMIL) Truck Solution.
- Truck Solution for the African requirement.
- Bison trucks built to Last.
- One Truck for many applications.



TRUCK MODEL: DMT50 - 1729 4X4

TRUCK MODEL: DMT50 – 1729 4X4

ENGINE

Make:	Weichai Euro2 Intercooled Turbo
Model Configuration:	WP 10-290 E32
Max Power – Kw @r/min	213/2 200
Max Power – N.m@ r/min:	1 160/1 600
Hp:	290
Cylinder:	6 Inline
Water Cooled:	4 stroke
Displacement:	9.73
Compression ratio:	17:01
Firing Order:	1-5-3-6-2-4

BRAKES

Service:	Dual circuit, full air drum brakes
Emergency/Parking:	Spring Brakes on rear wheels.
Auxiliary: Brake.	Remote mounted Exhaust
ABS:	Standard
Engine Valve Brake (EVB):	Standard

STANDARD TYRE EQUIPMENT

Tyre Size:	14:00 x20
Run Flat Wheels: (Optional)	14:00 x20 with RFI
Qty Wheels:	4 + 1 spare.

FRONT AXLE

Type:	AR7/01DS-9
Suspension:	Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar.

REAR AXLE

Rear Axle:	HL7/01DS-13
Suspension:	Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar.

ELECTRICAL EQUIPMENT

Alternator:	24V, 35Amp
Starter:	24V, 5.4Kw
Batteries:	2 x 12V – 12Ah
Batteries Optional:	Low Maintenance Dry Cell.

DIMENSIONS

Overall Length (OL)	8 930
Overall Width (OW)	2 495
Overall Height (OH)	1 950
Front Overhang (FOH)	1 435
Rear Overhang (ROH)	2 340
Wheel Base (WB)	4 500
Bumper to Back of Cab (BBC)	2 183
Turning Circle (TC)	9 000/9Mt

PERFORMANCE DATA

Grade Ability @ GVM	43%
Max Geared Road Speed	100 km/h
Final Drive Ratio:	5.263

CLUTCH

Make/Type/Size:	GFX 420mm single plate.
Operation:	Hydraulic actuation with auto adjustment

TRANSMISSION

Make/ Model:	5S112GP
Operation:	Manual
No of Gears:	9
Mesh:	Synchromesh
Transfer Box:	VG1400-3W
Automatic (Optional)	Automatic Transmission Optional

RATIO

Crawler	12,65	7th	1.35
1st	9.09	8th	1
2nd	6.48	9th	N/A
3rd	4.64		
4th	3.43		
5th	2.65		
6th	1.89	Reverse	11.69

MASS INFORMATION

GVM	17 000
GCM	34 000
Front Axle Mass	7 500 up to max 9 000
Rear Axle Mass	13 000
Permissible Max Veh Mass	15 500
Permissible Max Drawing Mass	34 000

STANDARD CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
External Sun Visor
Driver Seat Suspension

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
Driver Seat Suspension with 4 point safety Harness System
Complete Armoured Cab to level B6
Ballistic protection 7,62 mm

Armour laminated bullet resistant windows
Internal Radio Rack (Optional)
Crew Drink water Tank (Optional)
Roof hatch Co-Driver
Roof Mounted Weapon Mount (Optional)

DMT50 VARIANTS

Troop Carrier with Canopy
Cargo Carrier with drop side body
Dump Truck
Medium Recovery
Ambulance
Command Unit
Water Bowser 7000L
Fuel Bowser 7000L
Food Ration and Refrigeration
Bulk Fuel Distribution/Replenishment Unit

TRUCK MODEL: DMT100 – 2 635 6 x 6

ENGINE

Make:	Weichai Euro2 Intercooled Turbo
Model Configuration:	WP 10-340 E32
Max Power – Kw @r/min	250/2 200
Max Power – N.m@ r/min:	1 350/1 600
Hp:	350
Cylinder:	6 Inline
Water Cooled:	4 stroke
Displacement:	9.726
Compression ratio:	15.5:1
Firing Order:	1-5-3-6-2-4

BRAKES

Service:	Dual circuit, full air drum brakes
Emergency/Parking:	Spring Brakes on rear wheels
Auxiliary: Brake.	Remote mounted Exhaust
ABS:	Standard
Engine Valve Brake (EVB):	Standard

STANDARD TYRE EQUIPMENT

Tyre Size:	14:00 x 20
Run Flat Wheels: (Optional)	14:00 x 20 with RFI
Qty Wheels:	4 + 1 spare.

FRONT AXLE

Type:	AR7/01DS-9
Suspension:	Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

REAR AXLE

Rear Axle:	HL7/01DS-13
	Tandem drive, hub reduction with diff locks.

Suspension:	Trunnion-mounted, inverted semi-elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar
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ELECTRICAL EQUIPMENT

Alternator:	24 V, 35 Amp
Starter:	24 V, 5.4 Kw
Batteries:	2 x 12 V – 12 Ah
Batteries Optional:	Low Maintenance Dry Cell

DIMENSIONS

Overall Length (OL)	9 390
Overall Width (OW)	2 495
Overall Height (OH)	3 275
Front Overhang (FOH)	1 435
Rear Overhang (ROH)	1 940
Wheel Base (WB)	4 500
Bumper to Back of Cab (BBC)	2 183
Turning Circle (TC)	10 000/10 Mt

PERFORMANCE DATA

Grade Ability @ GVM	45%
Max Geared Road Speed	100 km/h
Final Drive Ratio:	4.769

CLUTCH

Make/Type/Size:	GFX 420mm single plate.
Operation:	Hydraulic actuation with auto adjustment

TRANSMISSION

Make/ Model:	12jS200
Operation:	Manual
No of Gears:	12
Mesh:	Synchromesh
Transfer Box:	LF200
Automatic (Optional)	Automatic Transmission Optional

RATIO

Crawler	12,17 th	2.11
1st	9.41 8 th	1.64
2nd	7.31 9 th	1.28
3rd	5.71 10 th	1
4th	4.46 11 th	0.78
5th	3.48 12 th	2.59
6th	2.71 Reverse	11.56

MASS INFORMATION

GVM	26 000
GCM	65 000
Front Axle Mass	7 500 up to max 9 000
Rear Axle Mass	13 000
Permissible Max Veh Mass	25 500
Permissible Max Drawing Mass	63 840

STANDARD CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges.
Air Pressure & Oil Gauges.
Audio & Visual Warning Devices.
Air Conditioning.
External Sun Visor
Driver Seat Suspension

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
External Sun Visor
Driver Seat Suspension

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
Driver Seat Suspension with 4 point safety Harness System
Complete Armoured Cab to level B6
Ballistic protection 7,62 mm
Armour laminated bullet resistant windows
Internal Radio Rack (Optional)
Crew Drink water Tank (Optional)
Roof hatch Co-Driver
Roof Mounted Weapon Mount (Optional)

DMT50 VARIANTS

Troop Carrier with Canopy
Cargo Carrier with drop side body
Dump Truck
Medium Recovery
Ambulance
Command Unit
Water Bowser 7000 L
Fuel Bowser 7000 L
Food Ration and Refrigeration.

Bulk Fuel Distribution/Replenishment Unit

TRUCK MODEL: DMT100 – 2 635 6 x 6

ENGINE

Make: Weichai Euro2 Intercooled Turbo
Model Configuration: WP 10-340 E32
Max Power – Kw @r/min 250/2 200
Max Power – N.m@ r/min: 1 350/1 600
Hp: 350

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Cylinder: 6 Inline
Water Cooled: 4 stroke
Displacement: 9.726
Compression ratio: 15.5:1
Firing Order: 1-5-3-6-2-4

BRAKES

Service: Dual circuit, full air drum brakes
Emergency/Parking: Spring Brakes on rear wheels
Auxiliary: Remote mounted Exhaust
Brake. Standard
ABS: Standard
Engine Valve Brake (EVB): Standard

STANDARD TYRE EQUIPMENT

Tyre Size: 14:00 x20
Run Flat Wheels: 14:00 x20 with RFI (Optional)
Qty Wheels: 4 + 1 spare

FRONT AXLE

Type: AR7/01DS-9
Suspension: Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

REAR AXLE

Rear Axle: HL7/01DS-13
Tandem drive, hub reduction with diff locks
Suspension: Trunnion-mounted, inverted semi-elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

ELECTRICAL EQUIPMENT

Alternator: 24 V, 35 Amp
Starter: 24 V, 5.4 Kw
Batteries: 2 x 12 V – 12 Ah
Batteries Optional: Low Maintenance Dry Cell

DIMENSIONS

Overall Length (OL) 9 390
Overall Width (OW) 2 495
Overall Height (OH) 3 275
Front Overhang (FOH) 1 435
Rear Overhang (ROH) 1 940
Wheel Base (WB) 4 500
Bumper to Back of Cab (BBC) 2 183
Turning Circle (TC) 10 000/10 Mt

PERFORMANCE DATA

Grade Ability @ GVM 45%
Max Geared Road Speed 100 km/h
Final Drive Ratio: 4.769

CLUTCH

Make/Type/Size: GFX 420 mm single plate
Operation: Hydraulic actuation with auto adjustment

TRANSMISSION

Make/ Model: 12jS200
Operation: Manual
No of Gears: 12
Mesh: Synchromesh
Transfer Box: LF200
Automatic (Optional) Automatic Transmission Optional

RATIO

Crawler	12,1 7 th	2.11
1st	9.41 8 th	1.64
2nd	7.31 9 th	1.28
3rd	5.71 10 th	1
4th	4.46 11 th	0.78
5th	3.48 12 th	2.59
6th	2.71 Reverse	11.56

MASS INFORMATION

GVM 26 000
GCM 65 000
Front Axle Mass 7 500 up to max 9 000
Rear Axle Mass 13 000
Permissible Max Veh Mass 25 500
Permissible Max Drawing Mass 63 840

STANDARD CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges.
Audio & Visual Warning Devices
Air Conditioning
External Sun Visor
Driver Seat Suspension

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
Driver Seat Suspension with 4 point safety Harness System
Complete Armoured Cab to level B6
Ballistic protection 7,62 mm
Armour laminated bullet resistant windows
Internal Radio Rack (Optional)
Crew Drink water Tank (Optional)
Roof hatch Co-Driver
Roof Mounted Weapon Mount (Optional)

DMT100 VARIANTS

Cargo Carrier with drop side body
Cargo Carrier with drop side body and Vehicle crane
Dump Truck
Heavy Recovery
ISO Container Carrier
Water Bowser 14000L
Fuel Bowser 14000L
Food Ration and Refrigeration
MPLSS (Hook Lift)

TRUCK MODEL: DMT150/300 – 3335 6 x 4 SWB/LWB

ENGINE

Make: Weichai Euro2 Intercooled Turbo
Model Configuration: WP 10-340 E32
Max Power – Kw @r/min 250/2 200
Max Power – N.m@ r/min: 1 350/1 600
Hp: 350
Cylinder: 6 Inline
Water Cooled: 4 stroke
Displacement: 9.726
Compression ratio: 15.5:1
Firing Order: 1-5-3-6-2-4

BRAKES

Service: Dual circuit, full air drum brakes
Emergency/Parking: Spring Brakes on rear wheels.
Auxiliary: Remote mounted Exhaust
Brake. Standard
ABS: Standard
Engine Valve Brake (EVB): Standard

STANDARD TYRE EQUIPMENT

Tyre Size: 315/80/R22.5
Run Flat Wheels: 14:00 x20 with RFI (Optional)
Qty Wheels: 10 + 1 spare

FRONT AXLE

Type: Drop forged rigid I-beam VL4
Suspension: Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

REAR AXLE

Rear Axle: HL7/01DS-13
Tandem drive, hub reduction with diff locks.
Suspension: Trunnion-mounted, inverted semi-elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

ELECTRICAL EQUIPMENT

Alternator: 24 V, 35 Amp
Starter: 24 V, 5.4 Kw
Batteries: 2 x 12 V – 12 Ah

4

Batteries Optional: Low Maintenance Dry Cell

DIMENSIONS

Overall Length (OL) swb-7 800/lwb-9 390
Overall Width (OW) 2 495
Overall Height (OH) 3 085
Front Overhang (FOH) 1 435
Rear Overhang (ROH) 1 350/1 940
Wheel Base (WB) 3 450/4 500
Bumper to Back of Cab (BBC) 2 183
Turning Circle (TC) 8 500/8.5 mt

PERFORMANCE DATA

Grade Ability @ GVM 43%
Max Geared Road Speed 120km/h
Final Drive Ratio: 4.769

CLUTCH

Make/Type/Size: GFX 420mm single plate.
Operation: Hydraulic actuation with auto adjustment.

TRANSMISSION

Make/ Model: 9J180
Operation: Manual.
No of Gears: 9
Mesh: Constant Mesh
Transfer Box: N/A (6X4)
Automatic (Optional) Automatic Transmission
Optional.

RATIO

Crawler	12,65	7th	1.34
1st	8.38	8th	1
2nd	6.22	9th	N/A
3rd	4.57	10th	N/A
4th	3.4	11th	N/A
5th	2.46	12th	N/A
6th	1.83	Reverse	13.22

MASS INFORMATION

GVM 33000
GCM 43000
Front Axle Mass 7500 up to max 9000
Rear Axle Mass 26000
Permissible Max Veh Mass 25500
Permissible Max Drawing Mass 43000

STANDARD CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges.
Air Pressure & Oil Gauges.
Audio & Visual Warning Devices.
Air Conditioning.
External Sun Visor
Driver Seat Suspension.

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
Driver Seat Suspension with 4 point safety Harness System
Complete Armoured Cab to level B6
Ballistic protection 7,62 mm
Armour laminated bullet resistant windows
Internal Radio Rack (Optional)
Crew Drink water Tank (Optional)
Roof hatch Co-Driver
Roof Mounted Weapon Mount (Optional)

DMT150 VARIANTS

Cargo Carrier with drop side body
Cargo Carrier with drop side body and Vehicle crane
Dump Truck
ISO Container Carrier
Water Bowser 14000L
Fuel Bowser 14000L
Food Ration and Refrigeration
MPLSS (Hook Lift)

TRUCK MODEL: DMT200/250 – 4035 8X4/8x8 LWB

ENGINE

Make: Weichai Euro2 Intercooled
Turbo
Model Configuration: WP 10-340 E32
Max Power – Kw @r/min 250/2 200
Max Power – N.m@ r/min: 1 350/1 600
Hp: 350
Cylinder: 6 Inline
Water Cooled: 4 stroke
Displacement: 9.726
Compression ratio: 15.5:1
Firing Order: 1-5-3-6-2-4

BRAKES

Service: Dual circuit, full air drum brakes
Emergency/Parking: Spring Brakes on rear wheels.
Auxiliary: Remote mounted Exhaust
Brake.
ABS: Standard
Engine Valve Brake (EVB): Standard

STANDARD TYRE EQUIPMENT

Tyre Size: 315/80/R22.5
Run Flat Wheels: 14:00 x 20 with RFI (Optional)
Qty Wheels: 12 + 1 spare.

FRONT AXLE

Type: Drop forged rigid I-beam
VL4/ VL9 Steer for 8 x 8

Suspension: Semi elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

REAR AXLE

Rear Axle: HL7/01DS-13
Tandem drive, hub reduction with diff locks
Suspension: Trunnion-mounted, inverted semi-elliptic steel leaf spring with dual acting telescopic shock absorber and stabiliser bar

ELECTRICAL EQUIPMENT

Alternator: 24 V, 35 Amp
Starter: 24 V, 5.4 Kw
Batteries: 2 x 12 V – 12 Ah
Batteries Optional: Low Maintenance Dry Cell

DIMENSIONS

Overall Length (OL) 9 400
Overall Width (OW) 2 495
Overall Height (OH) 3 085
Front Overhang (FOH) 1 435
Rear Overhang (ROH) 1 350
Wheel Base (WB) 3 550
Bumper to Back of Cab (BBC) 2 183
Turning Circle (TC) 11 500/11.5 mt

PERFORMANCE DATA

Grade Ability @ GVM 32%
Max Geared Road Speed 120 km/h
Final Drive Ratio: 4.769

CLUTCH

Make/Type/Size: GFX 420mm single plate.
Operation: Hydraulic actuation with auto adjustment.

TRANSMISSION

Make/ Model: 12JS200
Operation: Manual
No of Gears: 12
Mesh: Synchronmesh
Transfer Box: N/A-8X4; LF200 – 8 x 8
Automatic (Optional) Automatic Transmission
Optional

RATIO

Crawler	12,1 7 th	2.11
1st	9.41 8 th	1.64
2nd	7.31 9 th	1.28
3rd	5.71 10 th	1
4th	4.46 11 th	0.78
5th	3.48 12 th	2.59
6th	2.71 Reverse	11.56

MASS INFORMATION

GVM 40 000
GCM 75 000

Front Axle Mass 15 000
Rear Axle Mass 26 000
Permissible Max Veh Mass 31 650
Permissible Max Drawing Mass 63 840

STANDARD CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
External Sun Visor
Driver Seat Suspension

MINE PROTECTED ARMoured CAB

65° Hydraulic Tilt Cab
Windscreen Wipers – 2 speed & Intermitted Setting
External Rear View Mirrors
Speedometer/ Odometer Ref Counter
Fuel & Engine Temperature Gauges
Air Pressure & Oil Gauges
Audio & Visual Warning Devices
Air Conditioning
Driver Seat Suspension with 4 point safety Harness System
Complete Armoured Cab to level B6
Ballistic protection 7,62 mm
Armour laminated bullet resistant windows
Internal Radio Rack (Optional)
Crew Drink water Tank (Optional)
Roof hatch Co-Driver
Roof Mounted Weapon Mount (Optional)

DMT200 & 250 VARIANTS

Cargo Carrier with drop side body.
Cargo Carrier with drop side body and Vehicle crane.
Dump Truck.
Water Bowser 22000L
Fuel Bowser 22000L
Heavy Recovery
Artillery Gun Tractor
MPLSS (Hook Lift)
Air Defence Weapon Platform
Truck Tractor Ta