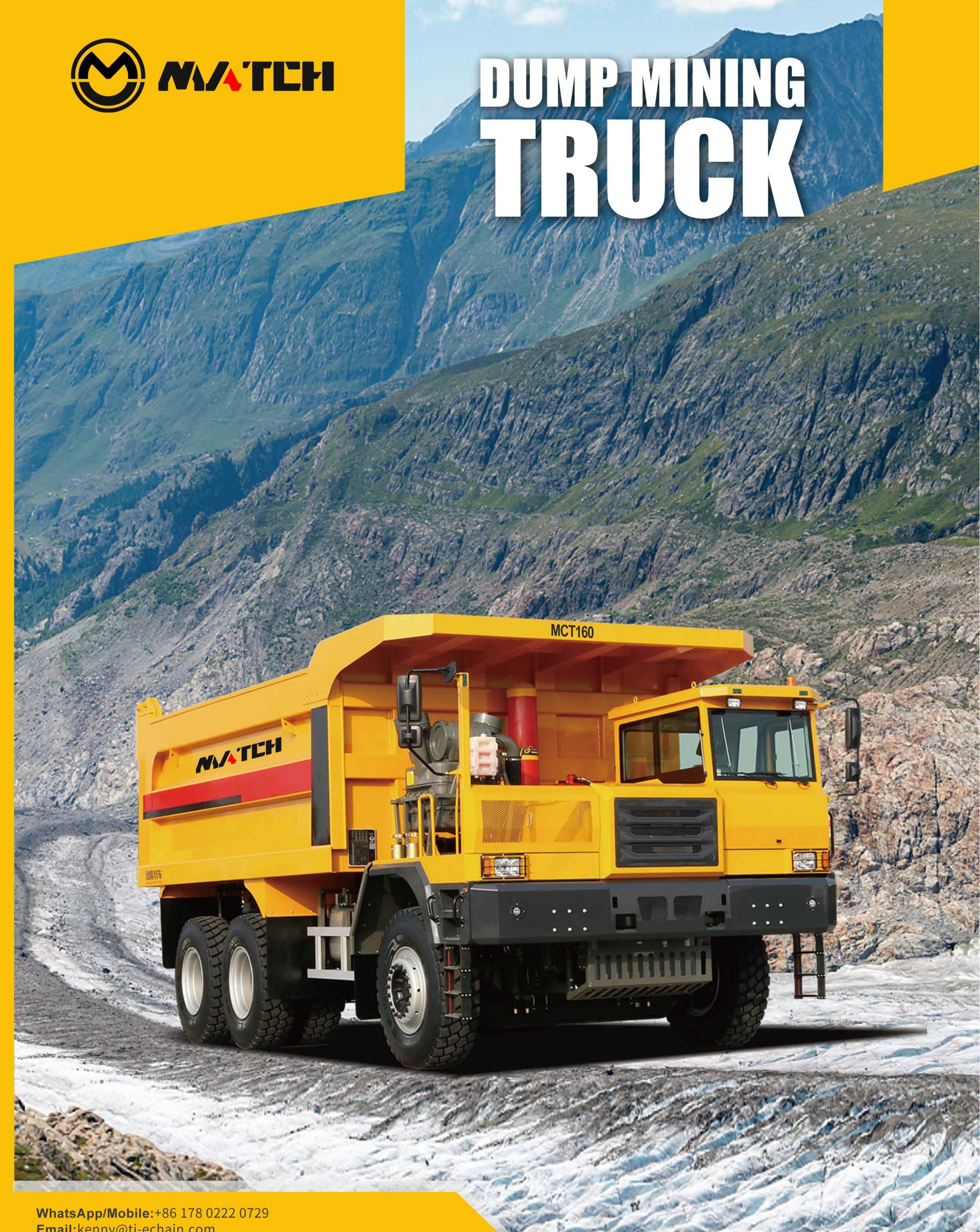




DUMP MINING TRUCK

WE AIM AT CUSTOMERS' SATISFACTION



天津迈驰机械有限公司
Tianjin Match Machinery Co.,Ltd

WhatsApp/Mobile:+86 178 0222 0729

Email:kenny@tj-echain.com

Web: <https://www.match-machinery.com>

地址：地址:天津市和平区滨江道1号金之谷大厦1号楼6层605单元

Add: Unit 605,#1 Building, Golden Valley Mansion,1 Binjiang Avenue, Heping District, Tianjin

WhatsApp/Mobile:+86 178 0222 0729

Email:kenny@tj-echain.com

Web: <https://www.match-machinery.com>

Add: Unit 605,#1 Building, Golden Valley Mansion,1 Binjiang Avenue, Heping District, Tianjin

Tianjin Match Machinery Co.,Ltd

➤DUMP MINING TRUCK



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// MCT90 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):90000

Overall dimensions (L×W×H) (mm):8950×3550×4150

Curb weight (kg):32000



MCT90

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	90000
Curb weight (kg)	32000
Payload mass (kg)	60000
Overall dimensions (L×W×H) (mm)	8950×3550×4150
Wheelbase (mm)	3800+1550
Tread (mm)	2606(Front 2656)
Max. gradeability (%)	30
Min. turning diameter (m)	22
Min. ground clearance (mm)	380
Max. vehicle speed (km/h)	40/38
AXLE LOAD	
Laden (t)	20/35/35
ENGINE	
Model	WP12G/13G
Power (kW)	316/338/390
Speed (r/min)	2100
Torque (N*m)	1870/2000/2300
CLUTCH	
Model	430 Single-chip pull, hydro-pneumatic booster
TRANSMISSION	
Model	7DS200/8DS240A
Gear position	9.14、6.7、4.85、3.6、2.65、1.61、1、R8.51 / 8.15、6.01、4.11、3.05、2.12、1.45、1、0.83 R7.57
Max. input torque (N.m)	2000/2400
Max. input torque (N.m)	2000/2400
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	12.87/16.086/18.385
Rated axle load (kg)	35000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	20000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Multi-stage dust air filter
WHEEL	
Tyre Size	14.00R25 ★★ ★
Rim Size	10.00-25

RADIATOR	
Structure	Plate-fin Radiator
FUEL SYSTEM	
Volume (L)	600L
STEERING SYSTEM	
Booster type	Full Hydraulic Steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double Circuit Drum Air Brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	Engine exhaust braking+WEVB
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	Longitudinal leaf spring
Thickness / width / number of leaf springs	20/100/13
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	29/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-196
Rated pressure (MPa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating , forward 46°
Shock-absorbing seat	Upward/ downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1200×450×130(12+12))
CARGO COMPARTMENT	
L×W×H(mm)	5800×3300×1700
Carriage box volume capacity (m3) (Flat carriage)	32
late thickness	D16H10 (NM400) 、 B10 (T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch

// MCT95 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):95000

Overall dimensions (L×W×H) (mm):9350×3610×4180

Curb weight (kg):35500



MCT95

DUMP MINING TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	95000
Curb weight (kg)	35500
Payload mass (kg)	65000
Overall dimensions (L×W×H) (mm)	9350×3610×4180
Wheelbase (mm)	3885+1780
Tread (mm)	2610(Front 2734)
Max. vehicle speed (km/h)	38
Max. gradeability (%)	30
Min. turning diameter (m)	24
Min. ground clearance (mm)	400
AXLE LOAD	
Laden (t)	20/35/35
ENGINE	
Model	WP12G460E310(Stage3)
Power (kW)	338
Speed (r/min)	2100
Torque (N*m)/speed (rpm)	2000/(1200-1600)
CLUTCH	
Model	430 Single-chip pull, hydro-pneumatic booster
TRANSMISSION	
Model	8DS240A
Gear position	8.15、6.01、4.11、3.05、2.12、1.45、1、0.83 R7.57
Max. input torque (N.m)	2400
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	18.385
Rated axle load (kg)	35000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	25000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Multi-stage dust air filter
WHEEL	
Tyre Size	16.00R25 ★★ ★
Rim Size	11.25-25

RADIATOR	
Structure	Plate-fin Radiator
FUEL SYSTEM	
Volume (L)	600L
STEERING SYSTEM	
Booster type	Full Hydraulic Steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double Circuit Drum Air Brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	Engine exhaust braking+WEVB
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	Longitudinal leaf spring
Thickness / width / number of leaf springs	20/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	32/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-196
Rated pressure (mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating , forward 46°
Shock-absorbing seat	Upward/ downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1200×450×130(12+12+8))
CARGO COMPARTMENT	
L×W×H(mm)	6200×3500×1600
Carriage box volume capacity (m3) (Flat carriage)	34
late thickness	D16H10(NM400)、B10(T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch

// MCT105 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):105000

Overall dimensions (L×W×H) (mm):10920×3860×4730



MCT105

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	105000
Payload mass (kg)	75000
Overall dimensions (L×W×H) (mm)	10920×3860×4730
Wheelbase (mm)	5000+1780
Tread (mm)	2630(Front 2734)
Approach angle	32
Departure angle	38
Max. vehicle speed (km/h)	42
Max. gradeability (%)	30
Min. turning diameter (m)	28
Min. ground clearance (mm)	400
AXLE LOAD	
Laden (t)	25/40/40
ENGINE	
Model	WP13G530E310
Power (kW)	390/2100
Torque (N·m)/speed (rpm)	2300/(1200-1600)
CLUTCH	
Model	430 Single-chip pull, hydro-pneumatic booster
TRANSMISSION	
Model	8DS260A
Max. input torque (N.m)	2600
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	18.722
Rated axle load (kg)	40000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	25000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Multi-stage dust air filter
RADIATOR	
Structure	Plate-fin Radiator
FRAME	
Type	High-strength steel flexible frame (12+12+8)

Fuel system	
Volume (L)	700 L
STEERING SYSTEM	
Booster type	Full hydraulic steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double Circuit Drum Air Brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	Engine exhaust braking+WEVB
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	Longitudinal leaf spring
Thickness / width / number of leaf springs	22/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	32/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-196
Rated Pressure (Mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating , forward 46°
Shock-absorbing seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable
CARGO COMPARTMENT	
Carriage box volume capacity (m3) (Flat carriage)	60
late thickness	D12H10(T700)、 Q10C10(Q355B)
WHEEL	
Tyre Size	16.00R25 ★★ ★
Rim Size	11.25-25/2.0
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch

// MCT110

SOLID AND RELIABLE
FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):105000
Overall dimensions (L×W×H) (mm):9350×3810×4180
Curb weight (kg):36400



MCT110

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	105000
Curb weight (kg)	36400
Payload mass (kg)	75000
Overall dimensions (L×W×H) (mm)	9350×3810×4180
Wheelbase (mm)	3885+1780
Tread (mm)	2734/2630/2630
Max. vehicle speed (km/h)	38
Max. gradeability (%)	30
Min. turning diameter (m)	24
Min. ground clearance (mm)	400
AXLE LOAD	
Laden (t)	25/40/40
ENGINE	
Model	WP13G530E310(Stage 3)
Power (kW)	390
Speed (r/min)	2100
Torque (N*m)/speed (rpm)	2300/(1200-1600)
CLUTCH	
Model	430 Single-chip pull, hydro-pneumatic booster
TRANSMISSION	
Model	8DS240A
Gear position	8.15、 6.01、 4.11、 3.05、 2.12、 1.45、 1、 0.83 R7.57
Max. input torque (N.m)	2400
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	18.722
Rated axle load (kg)	40000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	25000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Multi-stage dust air filter
WHEEL	
Tyre Size	16.00R25 ★★ ★
Rim Size	11.25-25
RADIATOR	
Structure	Plate-fin Radiator

FUEL SYSTEM	
Volume (L)	700L aluminum fuel tank
STEERING SYSTEM	
Booster type	Full Hydraulic Steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double Circuit Drum Air Brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	Engine exhaust braking+WEVB
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	Longitudinal leaf spring、 front rolled lugs and back slide plate
Thickness / width / number of leaf springs	20/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	32/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-196
Rated Pressure (Mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating , forward 46°
Shock-absorbing seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1200×450×130(12+12+8))
CARGO COMPARTMENT	
L×W×H(mm)	6200×3500×1750
Carriage box volume capacity (m3) (Flat carriage)	38
Iate thickness	D16H10(NM400)、 B10(T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch

// MCT130 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):130000

Overall dimensions (L×W×H) (mm):10215×4050×4560

Curb weight (kg):46350



MCT130

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	130000
Curb weight (kg)	46350
Payload mass (kg)	90000
Overall dimensions (L×W×H) (mm)	10215×4050×4560
Wheelbase (mm)	4300+1840
Tread (mm)	3100/2850/2850
Max. vehicle speed (km/h)	38
Max. gradeability (%)	30
Min. turning diameter (m)	26
Min. ground clearance (mm)	400
AXLE LOAD	
Laden (t)	30/50/50
ENGINE	
Model	WP15HG770E304 (Stage 3)
Power (kW)	566
Speed (r/min)	1900
Torque (N*m)/speed (rpm)	2900/(1200-1600)
CLUTCH	
Model	single chip clutch
TRANSMISSION	
Model	8DS280-FHB400
Gear position	8.02、5.66、4.06、2.93、2.1、1.45、1、0.82 R7.45
Max. input torque (N.m)	2800
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	18.722
Rated axle load (kg)	50000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	30000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Multi-stage dust air filter
WHEEL	
Tyre Size	16.00R29 ★★★
Rim Size	11.5-29

RADIATOR	
Structure	Plate-fin Radiator
FUEL SYSTEM	
Volume (L)	850L fuel tank
STEERING SYSTEM	
Booster type	Full Hydraulic Steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double-circuit drum type air brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	In-cylinder braking
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	front rolled lugs and back slide plate+push rod structure
Thickness / width / number of leaf springs	20/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	34/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-214
Rated Pressure (Mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating
Shock-absorbing seat	Upward/ downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1300×450×130(12+12))
CARGO COMPARTMENT	
L×W×H(mm)	6800×3700×2050
Carriage box volume capacity (m3) (Flat carriage)	50(U type)
late thickness	D16H14(NM400)、B12(T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch

// MCT160 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):160000

Overall dimensions (L×W×H) (mm):10450×4360×4550

Curb weight (kg):54600

MCT160

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	160000
Curb weight (kg)	54600
Payload mass (kg)	110000
Overall dimensions (L×W×H) (mm)	10450×4360×4550
Wheelbase (mm)	4600+1900
Tread (mm)	3342/3080/3080
Max. vehicle speed (km/h)	38
Max. gradeability (%)	29
Min. turning diameter (m)	30
Min. ground clearance (mm)	410
AXLE LOAD	
Laden (t)	35/60/60
ENGINE	
Model	WP17G770E304(Stage 3)
Power (kW)	566
Speed (r/min)	1900
Torque (N*m)/speed (rpm)	3000/(1200-1600)
CLUTCH	
Model	Imported Double Disc Clutch
TRANSMISSION	
Model	8DSS330+FHB400
Gear position	8.46、6.41、4.64、3.33、2.37、1.55、1、0.71 R8.02
Max. input torque (N.m)	3300
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	21.398
Rated axle load (kg)	60000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	35000
Brake type	Cam Drum Brake
AIR FILTER ASSEMBLY	
Model	Oil Bath Air Filter
WHEEL	
Tyre Size	480/95R29 ★★ ★
Rim Size	13.00-29

RADIATOR	
Structure	Plate-fin Radiator
FUEL SYSTEM	
Volume (L)	1000L aluminum fuel tank
STEERING SYSTEM	
Booster type	Full hydraulic steering
System pressure(Mpa)	17
Flow(L/min)	40
BRAKING SYSTEM	
Service brake	Double-circuit drum type air brake
Parking brake	Spring energy-storage air-break braking with emergency braking
Auxiliary brake	Engine exhaust braking+WEVB
System pressure (bar)	11
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	front rolled lugs and back slide plate+push rod structure
Thickness / width / number of leaf springs	22/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	36/120/15
DUMPING LIFT MECHANISM	
Type	Front lift-240
Rated Pressure (Mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating
Shock-absorbing seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1460×450×130)
CARGO COMPARTMENT	
L×W×H(mm)	7400×4000×1850
Carriage box volume capacity (m3) (Flat carriage)	55
Iate thickness	D16H14(NM400)、B14(Q355B)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch