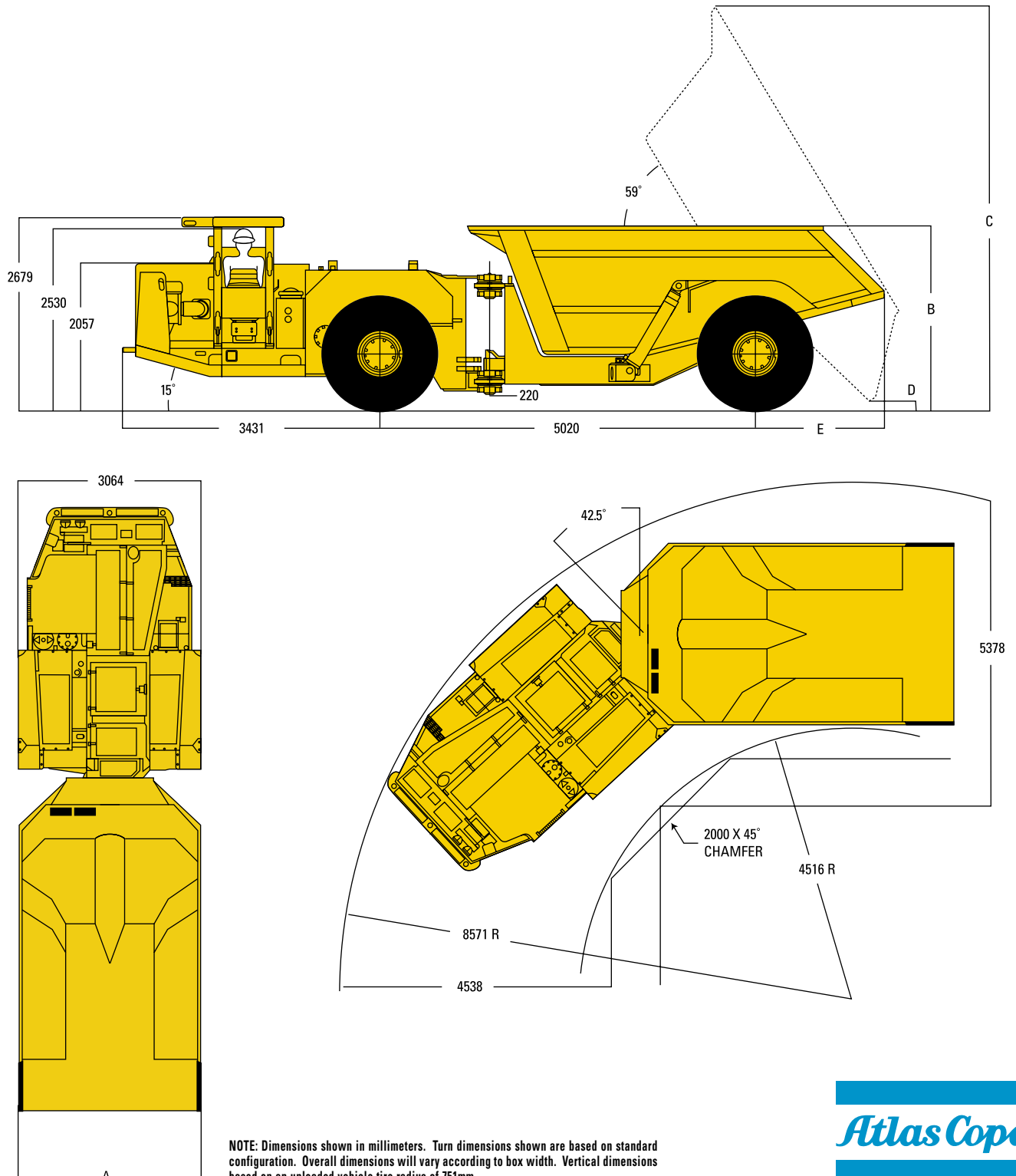


MT-436B

Atlas Copco Wagner Inc.

33 TONNE CAPACITY MINE TRUCK

technical specifications and performance data



NOTE: Dimensions shown in millimeters. Turn dimensions shown are based on standard configuration. Overall dimensions will vary according to box width. Vertical dimensions based on an unloaded vehicle tire radius of 751mm.



MT-436B

technical specifications

CAPACITY

	kg	(lbs)
Payload	32650	(72,100)
Volume	See Volume Tables on Back	

BODY DISCHARGING

Time	14 seconds
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VEHICLE SPEEDS

See Vehicle Grade Performance Chart

ENGINE

Detroit Diesel Series 60 DDEC III

Converter Drive Rating:

Power Rating @ 2,100 rpm	280 kW (375 hp)
Maximum Torque @ 1,200 rpm	1763 Nm (1300 ft.-lbs.)
MSHA Ventilation	623 m ³ /min (22,000 cfm)

Converter Drive Rating - Lock Up Engaged:

Power Rating @ 2,100 rpm	298 kW (400 hp)
Maximum Torque @ 1,200 rpm	1695 Nm (1250 ft.-lbs.)
MSHA Ventilation	708 m ³ /min (25,000 cfm)
Number of Cylinders	6, In-Line
Displacement	12.7 L (775 in ³)
Cooling	Liquid (Water/Anti-Freeze)
DDEC III System - Electronic Control Module (ECM) and Electronic Unit Injectors (EUI)	

EXHAUST SYSTEM

Catalytic Purifier	Plus Exhaust Silencer
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ELECTRICAL SYSTEM

System Voltage	24 Volt Starting, 24 Volt Accessories
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TORQUE CONVERTER

Single Stage with Lock Up	
Spicer	CL-8000 Series

TRANSMISSION CONVERTER

Full Power Shift, 4 Speed Forward/Reverse	
Spicer	6000 Series

AXLES

Spiral Bevel Differential, Full Floating Planetary	
Wheel End Drive	
Rock Tough®	508 Series

BRAKES

Service	SAHR®
Spring Applied Hydraulically Released; Fully Enclosed, Force Cooled, Multiple Wet Discs at Each Wheel End	
Parking and Emergency	SAHR®
Auxiliary	Jacobs Engine Brake®

TIRES

Tubeless, Lug Tread Design, Two-Star Rating for Underground Mine Service, On Demountable Rims	
Tire Size, Front & Rear	26.5R25, L3

STEERING

Articulated Hydraulic Power Steering, Pilot-Operated, Monostick Control	
Turning Angle	85° (42.5° each way)
System Pressure	15.8 MPa (2,300 psi)

HYDRAULIC SYSTEM

Cylinders	Double Acting, Chrome Plated Stems	
Steer Cylinders (2)	Single Stage	
Hoist Cylinders (2)	Three Stage	
Pumps Heavy Duty Gear Type		
Dump	197 + 87 l/m (75 gpm) @ 2,200 rpm	
Steer	197 l/m (52 gpm) @ 2,200 rpm	
Filtration	Suction Line: 28 Micron Kidney Loop: 4 Micron	

TANK CAPACITIES

	liters	(gallons)
Fuel	439	(116)
Hydraulic Oil	238	(63)

OSCILLATION

Front Axle, Trunion Mounted, Synthane Bushings	
Degree of Oscillation	18° (9° each side)

OPERATOR'S ARRANGEMENT

Side Seated Operator for Bi-Directional Operation & Maximum Visibility and with Canopy, MHSA - ISO ROPS/FOPS Certified

OPERATING WEIGHT (Approximate)

	kg	(lbs)
Empty	30570	(67,400)

MT-436B

vehicle grade performance

DETROIT SERIES 60 DDEC III 298kW (400 hp) — EMPTY (Lock-Up)

Percent Grade	Ratio	1st Gear		2nd Gear		3rd Gear		4th Gear	
		kph	mph	kph	mph	kph	mph	kph	mph
0.0%		5.01	3.11	8.95	5.56	15.81	9.82	28.07	17.44
2.0%		5.00	3.10	8.91	5.54	15.68	9.75	27.67	17.19
4.0%		4.98	3.10	8.87	5.51	15.56	9.67	27.27	16.94
6.0%		4.97	3.09	8.83	5.49	15.44	9.59	25.37	15.77
8.3%	1 : 12	4.96	3.08	8.79	5.46	15.31	9.51	20.84	12.95
10.0%	1 : 10	4.95	3.07	8.75	5.44	15.19	9.44		
12.5%	1 : 8	4.94	3.07	8.71	5.41	14.81	9.20		
14.3%	1 : 7	4.92	3.06	8.67	5.39	13.64	8.48		
16.0%		4.91	3.05	8.63	5.37	12.25	7.61		
18.0%		4.90	3.04	8.60	5.34	10.47	6.51		
20.0%	1 : 5	4.89	3.04	8.56	5.32				
25.0%	1 : 4	4.86	3.02	8.09	5.03				
30.0%		4.83	3.0	7.10	4.41				

DETROIT SERIES 60 DDEC III 298 kW (400 hp) — LOADED (Lock-Up)

1st Gear		2nd Gear		3rd Gear		4th Gear	
kph	mph	kph	mph	kph	mph	kph	mph
4.99	3.10	8.89	5.52	15.61	9.70	27.43	17.04
4.96	3.08	8.80	5.47	15.35	9.54	22.66	14.08
4.94	3.07	8.72	5.42	15.10	9.38		
4.91	3.05	8.64	5.37	12.58	7.81		
4.89	3.04	8.56	5.32	8.83	5.48		
4.86	3.02	8.29	5.15				
4.84	3.01	7.53	4.68				
4.81	2.99	6.50	4.04				
4.79	2.97	5.31	3.30				
4.76	2.96						
4.66	2.90						
4.06	2.52						
3.16	1.96						

DETROIT SERIES 60 DDEC III 280kW (375 hp) — EMPTY (Converter Drive)

Percent Grade	Ratio	1st Gear		2nd Gear		3rd Gear		4th Gear	
		kph	mph	kph	mph	kph	mph	kph	mph
0.0%		4.79	2.98	8.44	5.24	14.50	9.01	24.72	15.36
2.0%		4.72	2.94	8.21	5.10	13.88	8.63	23.48	14.59
4.0%		4.65	2.89	7.97	4.96	13.45	8.36	22.11	13.74
6.0%		4.58	2.85	7.81	4.85	13.09	8.14	20.33	12.64
8.3%	1 : 12	4.49	2.79	7.64	4.75	12.62	7.84	17.06	10.60
10.0%	1 : 10	4.43	2.76	7.54	4.69	12.23	7.60	14.37	8.93
12.5%	1 : 8	4.37	2.72	7.40	4.60	11.54	7.17		
14.3%	1 : 7	4.33	2.69	7.29	4.53	10.85	6.74		
16.0%		4.29	2.67	7.18	4.46	10.13	6.29		
18.0%		4.25	2.64	7.04	4.38	9.14	5.68		
20.0%	1 : 5	4.22	2.62	6.90	4.29	8.16	5.07		
25.0%	1 : 4	4.13	2.57	6.46	4.01				
30.0%		4.03	2.50	5.80	3.61				

DETROIT SERIES 60 DDEC III 280 kW (375 hp) — LOADED (Converter Drive)

1st Gear		2nd Gear		3rd Gear		4th Gear	
kph	mph	kph	mph	kph	mph	kph	mph
4.68	2.91	8.07	5.01	13.60	8.45	22.69	14.10
4.53	2.82	7.71	4.79	12.82	7.97	18.50	11.50
4.40	2.73	7.46	4.64	11.84	7.36	12.18	7.57
4.30	2.67	7.21	4.48	10.29	6.40		
4.21	2.62	6.87	4.27	7.98	4.96		
4.15	2.58	6.56	4.08				
4.05	2.52	5.93	3.68				
3.97	2.47	5.39	3.35				
3.89	2.42	4.83	3.0				
3.80	2.36	4.20	2.61				
3.68	2.29						
3.29	2.04						
2.80	1.74						

NOTE: 3% rolling resistance assumed. Actual performance may vary depending on the application.



The face of Innovation

MT-436B box dimensions

		STD									
MATERIAL DENSITY		tonnes/m ³	1.6	1.8	2.0	2.2	2.4	2.6	2.8	2.9	3.1
		lb/yds ³	2707	3035	3372	3709	4046	4384	4721	4889	5227
BOX VOLUMES											
SAE Struck	m ³	17.8	16.6	14.5	12.9	11.9	10.5	9.5	9.1	8.7	
	yd ³	23.3	21.7	18.9	16.9	15.5	13.8	12.4	11.9	11.4	
Semi-Heaped	m ³	19.9	18.4	16.3	14.8	13.8	12.5	11.5	11.1	10.7	
	yd ³	26.0	24.1	21.4	19.4	18.0	16.3	15.0	14.5	14.0	
SAE Heaped	m ³	22.0	20.2	18.2	16.7	15.7	14.5	13.5	13.1	12.7	
	yd ³	28.8	26.4	23.8	21.8	20.6	18.9	17.6	17.1	16.6	
TRAM POSITION											
Box Width (A)	mm	3353	3353	3048	3353	3048	3353	3048	3353	3048	3048
	inches	132	132	120	132	120	132	120	132	120	120
Box Height (B)	mm	2611	2500	2597	2350	2431	2241	2311	2171	2234	2135
	inches	103	98	102	93	96	88	91	85	88	84
Rear Axle to Box Tail (E)	mm	1730	1730	1730	1730	1730	1730	1730	1730	1730	1730
	inches	68	68	68	68	68	68	68	68	68	68
RAISED POSITION											
Box Height (C)	mm	5533	5441	5521	5317	5384	5227	5285	5169	5221	5139
	inches	218	214	217	209	212	206	208	204	206	202
Tailgate Clearance (D)	mm	234	234	234	351	351	351	351	351	234	351
	inches	9	9	9	14	14	14	14	14	9	14
TELETRAM® VOLUMES											
SAE Struck	m ³	14.0	12.5								
	yd ³	18.3	16.4								
Semi-Heaped	m ³	16.0	14.5								
	yd ³	20.9	19.0								
SAE Heaped	m ³	18.0	16.5								
	yd ³	20.9	21.6								
TRAM POSITION											
Box Width (A)	mm	3353	3353								
	inches	132	132								
Box Height (B)	mm	2917	2812								
	inches	115	111								
Tailgate Clearance (D)	mm	759	759								
	inches	30	30								

Atlas Copco Wagner Inc.

Working Harder and Smarter



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