https://truckmanualshub.com/

BASICS

Model name	HD 5380 T (Heavy Duty 80 Tonnes Tridem)		
Axle driveline configuration	10x6		
Nominal G.V.W.	81.000kg / 81 tonnes		
Nominal target payload @ Max 40 km/h	60.000kg / 60 tonnes		
Expected G.V.W. @ Max 40km/h	± 86.000kg / ± 86 tonnes		
Category	"HEAVY DUTY DUMPERS"		
Speed	Loaded: Limited at 40 km/h		
	Unloaded: Limited at 60 km/h		
	Maximum geared speed:	57,8 km/h	79,9 km/h
Certified	When required, Conformité Européenne, CE		
Nominal front axle loads	Axle 1 13.000kg / 13 tonnes		
	Axle 2 13.000kg / 13 tonnes		
Nominal rear axle loads	Axle 3 14.000kg / 14 tonnes		
	Axle 4 20.500kg / 20,5 tonnes		
	Axle 5 20.500kg / 20,5 tonnes		

HD 5380 T

https://truckmanualshub.com/

HD 5380 T

ENGINE

Model name	PACCAR / DAF MX 340 C	
Type	MX 340 Diesel engine, turbocharged, intercooled, Heavy Duty	
	Euro 3	Euro 5
Maximum performance	340 kW (460 hp)/1900 rpm	340 kW (460 hp)/1900 rpm
Maximum torque	2300 Nm/1000-1410 rpm	2300 Nm/1000-1410 rpm
Cylinder configuration	6 in line	6 in line
Bore x stroke	130 x162 mm	130 x162 mm
Displacement	12.9L	12.9L
Fuel system	Direct injection	
Governor	Electronically controlled	
Lubrication system	Forced lubrication, oil filter with exchangeable element	
Cooling system	Fluid type with forced circulation	
Compressor	Working pressure 10 bar	

CLUTCH

Type	Single dry plate
Diameter	430mm
Operation	Electronic pneumatic, self adjusting

GEARBOX

Model	16AS26301TO
Type	AS-Tronic, automated shift, manual override
Software	GINAF HD Mining
PTO	Gearbox ZF NAS/10C, under, gears 32/25
No. of gears	2 x 8
Ratio	14.12 - 0.83 : 1

GEAR RATIO'S

#1	#2	#3	#4	#5	#6	#7	#8	#9
14.12	11.68	9.54	7.89	6.52	5.39	4.57	3.78	3.09
#10	#11	#12	#13	#14	#15	#16	#R1	#R2
2.56	2.09	1.73	1.43	1.18	1.00	0.83	13.07	10.81

FRONT AXLES

Axle 1 & 2	NOG 13250 & 13251
Type	Non-driven steered axle
Nominal technical capacity	2 x 13.000 kg / 2 x 13 tonnes

REAR AXLES

Axle 3	APG 14251	
Type	Driven steered axle, pinion and crown wheel with spiral bevel primary reduction, hub reduction, mechanical cross-axle and interaxle differential locks	
Ratio	6,36	8,79
Nominal technical capacity	14.000 kg / 14 tonnes	

Axle 4 & 5	APS 20250 & 20251	
Type	Rigid drive axle, pinion and crown wheel with spiral bevel primary reduction, hub reduction, axle 4: mechanical cross-axle and interaxle differential locks, axle 5: cross-axle differential lock	
Ratio	6,36	8,79
Nominal technical capacity	2 x 20.500 kg / 2 x 20,5 tonnes	

TRACTION

Weight for traction loaded	67,9% of total mass
Weight for traction unloaded	61,5% of total mass

AXLE RATIO'S

Axle ratio	6,36	8.79
Max. geared speed @2100 rpm	79,9 km/h	57.8 km/h

CHASSIS

Chassis frame	Bolted
Frame members	Front and rear U members with crossbeams
Reinforcement	15 mm flitches on top and underneath the main frame members
Front cross member	Steel, 2 towing points
Rear cross member	Fitted with tow hook
Fuel tank	2 x 190 L steel, one each side
Lubrication system	Central grease system
Exhaust & After treatment	Exhaust discharge right side upwards
Hydraulic oils for tipper and suspension	Separate tanks, behind cab
Radiator	Heavy Duty mining specification, location underneath cabin, continuous cooling power 175kW at max 38 °C ambient temperature
Air filter	Dry type with precleaner (cyclon type), plus dust indicator

SUSPENSION

Axle 1 & 2	Parabolic leaf springs combined with air bellows, inter-axle compensation
Axle 3, 4 & 5 HD-HPVS	Heavy Duty - Hydro Pneumatic Vehicle Suspension, suspension and compensation using hydraulic cylinders and nitrogen accumulators, - Automatic level control, - Roll stabilisation during driving - Lateral levelling control - Tipper stabiliser

STEERING

Type	Dual circuit ball and nut steering, hydraulically pressurized, service / emergency pump, servo cylinders. Mechanic steered axle 1, 2 & 3

TYRES

Axle 1, 2, 3	14.00R20 Goodyear ORD (single mounted)
Axle 4 & 5	12.00R24 Goodyear ORD (double mounted)

ROPS/FOPS

ROPS	When Required Roll Over Protection System, ISO 3471
FOPS	When Required Falling Object Protection System, ISO 3449

https://truckmanualshub.com/

HD 5380 T

BRAKES

Service brake	Dual circuit full air brake system. Drum brakes front and rear, EBS (Electronic brake system), ABS. Twin cylinder air compressor with heated air dryer. Automatic slack adjusters.
Parking brake	Spring applied on axle 3,4 and 5, pneumatically released
Emergency brake	Parking brake and intact circuits of service brake are used
Hill Start Aid	Yes
Auxiliary brake	+ MX engine brake, maximum performance 325 kW / 2100 rpm + ZF-Intarder, maximum performance 600 kW / 2100 rpm
DHCC	Down Hill Cruise Control, >30 km/h By use of Engine brake and ZF-Intarder

ELECTRICAL

Voltage	24V
AC alternator	80A, 2.24 kW
Batteries	2 x 12V, 180 Ah
Speed limiter loaded	40 km/h

CABIN

Exterior	Mechanically suspended Day Cab with steel bumper, tinted glass and electric window openers. Main mirrors and wide angle mirrors electrically heated. Cab width 2300 mm; Electric door lock co-driver, 2 keys
Cab interior	Adjustable steering column (rake and height), luxury air suspended drivers seat, three point type of safety belts, storage compartments above windscreen, centre console with air outlets, cigarette lighter (12V), ashtray and 24V terminal, central storage compartments, air-conditioning
Instrument panel	Fuel gauge, water temperature gauge, air pressure gauges, rev. counter, illuminated actuators and control lights for (among others) dipped headlights and main beam, direction indicators, rear fog light, parking brake, central LCD display for (among others) oil pressure, oil level, water level and water temperature, turbo boost, alternator charge, board computer with fuel consumption, trip distance

COLOUR

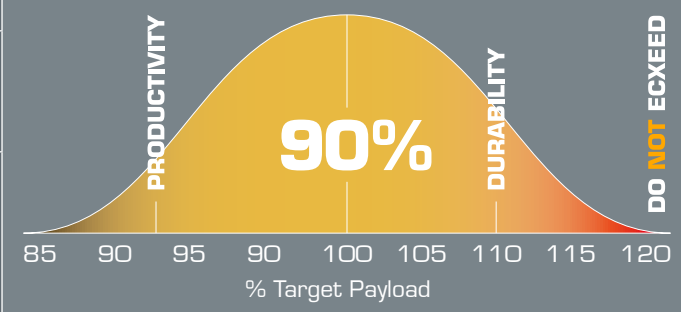
Colour cab and tipper	GINAF Yellow RAL1028, with black portions

PAYLOAD DESIGN RULE

Target payload: 60t @ 40 km/h

Developed to meet the international 10/10/20 mining standard @ max 18% slope

"No more than 10% of payloads may exceed 110% of the truck's target payload and no single payload shall ever exceed 120% of the target payload"



Maximum performance & safety in its class	48t	54t	60t	66t	72t

ADDITIONAL SAFETY ITEMS

Overload vehicle speed	At more than 20% overload, vehicle speed max 3km/h
BSC	Blind Spot Control: Wide angle camera system, rear view and right side