



# ACMD 6X4

AUTOCAR EXPERT MEDIUM DUTY - CLASS 8

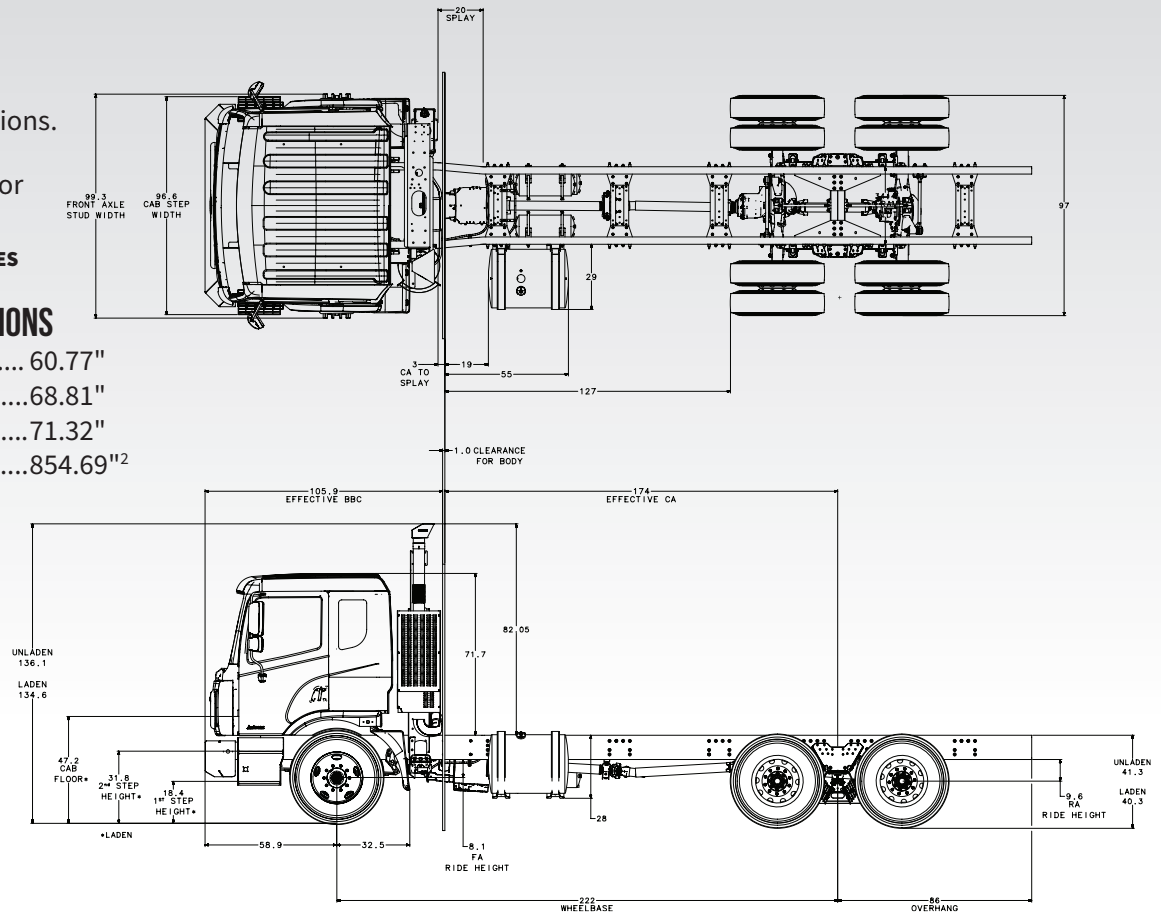
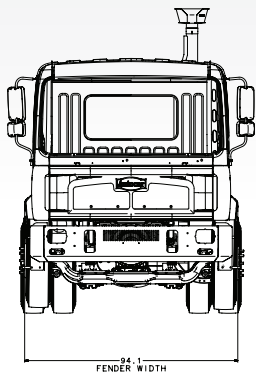
## ACMD 6X4 CLASS 8

Representative  
Medium Duty Specifications.  
Your truck will be  
custom-engineered for  
your application

ALL DIMENSIONS IN INCHES

## CAB INTERNAL DIMENSIONS

Foot well to Roof..... 60.77"  
Windscreen to Rear of Cab....68.81"  
Door to Door (interior).....71.32"  
Volume behind seats.....854.69"<sup>2</sup>



CONFIGURATION	6X4 BASE MODEL / STANDARDS
Steering	Left hand drive std. , Right hand drive & Dual drive option
BBC	105.9" With Vertical System, 100.0" With Horizontal System
FOH / Bumper to C/L Front Axle	57.1"
CA / CT	Wheelbase - 48" Diesel / - 48" CNG
FAWR, (Min.)	12,000 lbs.
RAWR, (Min.)	40,000 lbs.
GVWR, (Min.)	52,000 lbs.
Wheelbase	165"
* Est. Base Model Front Axle Weights	8395 lbs.
* Est. Base Model Rear Axle Weights	4343 lbs.
* Est. Base Model Chassis Weights Total	12,738 lbs.
	* Weight will vary w/wheelbase, RFOH and optional equipment specified

6X4 CHASSIS SPECIFICATIONS	
Construction	Huck bolted, "C" - channel ladder
Wheelbase Min. - Max.	150" - 224"
AF / RFOH Length Min. - Max.	21.58" - 110"
Frame Rail Dimension	.375" x 3.25" x 10.75", (120KSI)
RBM	2.68M
SM	17.75
Formed .25" x 9.85" Channel Liner	Standard
Front Tow Loops	2 recessed behind front bumper
Fuel Tank Size	Steel/Aluminum 50, 75, 100, 150 or 5 gallon poly-temporary
Location, Fuel Tank(s)	Temporary fuel tank (std.) or LH or RH frame rail
Fuel/Water Separator - Heated (Opt)	Fleetguard FS series / heated (optional)

# ACMD CHASSIS SPECIFICATIONS MY 2022

6X4 DRIVE SPECIFICATIONS	
Engine - Diesel	Cummins L9 300hp / US EPA 21
Available ISB Diesel HP Ratings	
Available ISL Diesel HP Ratings	260, 270, 300, 330, 350 and 360 hp
DEF Tank Capacity / Location	6.25 or 12.5 Gallon, LH behind front fender/RH over front fender
Engine - CNG	Cummins-Westport L9N / US EPA 18
Available CNG / LNG HP Ratings	250, 260 and 300 hp
Air Compressor	Cummins 18.7 CFM
Air Dryer	Wabco w/heat
Starter	Delco 12V 39MT w/OCP
Alternator	Delco 12V 160 amp or 200 amp
Batteries (2) 12V	1900 / 2000 CCA, Group 31 ECL M/F
AGM Batteries (2) 12V	1650 / 1800 / 2300 CCA, Group 31 ECL M/F
Transmission	Allison 3000RDS or 3500RDS
Number of Speeds	1 Reverse, 6 forward
Transmissions Shifter	Push button, shift pad - LH or center
Driveshafts	Dana-Spicer 1710HD or 1760HD, half round yoke
Radiator Square Inch Core	725 square inch down flow
Charge Air Cooler	Welded, aluminum construction
Air Cleaner Size	13" single stage, safety-filter optional
Exhaust Outlet Location	LH, street side vertical / RH Horizontal curb side

6X4 FRONT AND REAR AXLES	
Front Axles	Dana E-1202W
Max. Cramp Angle - Steer	47 Deg. +/-
Steel Disc Wheels - Hub Piloted	Qty. 2; 22.5" x 8.25", 5 hand hole
Tire Size	11R22.5(G)
Front Brakes (Q Plus)	16.5" x 6"
Front Suspension (Spring Flatleaf)	12,500 lbs.
Rear Axles	MT40-14X
Axle Speeds	N/A
Steel Disc Wheels - Hub Piloted	4; 22.5" x 8.25", 5 hand hole
Tire Size	11R22.5(G)
Rear Brakes	16.5"x 8.62" Q plus
Rear Suspension - Steel Flat Leaf	HMX-400 or 460
Optional / Rear Suspension - Air Ride	PAX EX 462, HAS402
Brake System - Chassis	FMVSS 121, Dual air brake
ABS Systems	Wabco, 6S/4M
ATC Systems	ATC optional

Note: Various Options are Available, please consult with our Autocar Sales Team.

6X4 CAB SPECIFICATIONS	
Construction	Welded & stamped steel construction, E-coated prior to painting
Windshield	2,785 square inch, laminated & curved
Cab Glass	Tempered safety, tinted (VLT 75%)
Windows, Cab Door	Power, roll up - tinted (VLT 80%)
Cab Floor	Wear resistant mat with foam back with HD floor mat, insulated backing
Cab Tilt System	Hydraulic power assist, auto locking
Steering System	Integral hydraulic power assist
Steering Column	Tilt/Telescoping w/integral turn signal
Steering Wheel	16"/18" Diameter, 2 spoke, vinyl wrapped
Cab Mirrors - West Coast Type	4 - Chrome or Black housing, 1 large flat and 1 lower rectangular convex, each side
Seating Configuration	2 or 3 Person (Optional)
Seat - Driver / LH	Sears / ISRI - high back, air ride w/arm rest and lumbar support
Seat - Passenger / RH	Sears / ISRI - high back, air ride w/arm rest and lumbar support
Seat Belts	3 Point, over shoulder and lap
Air Conditioning, Cabin	Standard, integral HVAC in-dash
HVAC System	Integral in-dash type, high capacity -Push button - soft touch automatic climate and manual temperature control, positive PSI type system with quick defrost mode. Fresh air and recirculating type with variable 5 speed fan.
Instrumentation	Large predominant backlit speedometer on center, tachometer & dual air PSI to each side. Smaller less prominent engine oil psi, coolant temp, voltmeter, fuel gauge, warning lamps & Mini Driver Information Center (MDIC) all in row, that includes: clock, odometer, tripmeter, engine hour meter and trip engine hour meter.
Front Bumper	Formed steel or HD formed steel, w/integral headlights
Headlights	Halogen or LED large single rectangular type
ICC Marker and Turn	Amber incandescent or LED turn and marker
DOT Certification	FMVSS standard, CMVSS optional
Paint, Cab (White - Std.)	Dupont, (DPSS) polyurethane enamel
Paint, Front Bumper	Same color as cab or custom
Paint, Chassis	Semi-gloss black, polyurethane
Paint, Disk, Wheels	White, powder coated

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# REAR DRIVE AXLE SPECIFICATIONS

REAR DRIVE AXLE / SUSPENSION SELECTION				
Rear Axles	Max. RAWR	Brake Size	Spring Suspension	Air Suspension (Opt.)
Meritor MT40-14X	40,000 lbs.	16.5" X 8.62" QPlus	HMX-400	PAX-EX 462 / HAS-402
Meritor RT46-160	46,000 lbs.	16.5" X 8.62" QPlus	HMX-460	PAX-EX 462

MAX. EST. TOP SPEED (MPH)	65	65	65	65	65	65	65	65	L9 & 9N
	75	75	65	65	75	75	75	75	B DIESEL
Rear Axles	4.63	4.88	5.29	5.38	5.63	5.86	6.14	6.43	
Meritor MT40-14X	X	X	X			X	X	X	X
Meritor RT46-160		X		X	X		X		X

# ENGINE MODELS & FRONT AXLES

US EPA 2021 - DIESEL, US EPA 2018 - GAS			TOC REQUIREMENTS				
Engine Model	MAX HP (kW)	MAX Torq (Nm)	Governed Speed	3000RDS	3500RDS	3000RDS	3500RDS
L9N 250 HP	250 (186)	730 (990) @ 1600	2200 RPM	X	X	Yes	Yes
L9N 260 HP	260 (194)	660 (895) @ 1300		X	X	Yes	Yes
L9N 300 HP	300 (224)	860 (1166) @ 1300		X	X	Yes	Yes
L9 260 HP	260 (194)	720 (977) @ 1300		X	X	Yes	Yes
L9 270 HP	270 (201)	800 (1086) @ 1300		X	X	Yes	Yes
L9 300 HP	300 (224)	860 (1167) @ 1300		X	X	Yes	Yes
L9 330 HP	330 (246)	1000 (1357) @ 1400		X	X	Yes	Yes
L9 350 HP	350 (261)	1000 (1357) @ 1400		X	X	Yes	Yes
L9 360 HP	360 (261)	1150 (1561) @ 1400		X	X	Yes	Yes

Front Axles	MAX FAWR	Steering System	Brake Size	Recommended Tire Size (min)	Disc Wheel Size	Tire PSI
Dana E-1202W	12,000 lbs.	Dual / LH / RH	16.5" x 5" Q Plus or 16.5" x 6" Q Plus	11R22.5(G) 14 Ply	22.5" x 8.25"	105
Dana E-1322W	13,200 lbs.			11R22.5(H) 16 Ply		22.5" x 9.00"
Dana E-1462W	14,600 lbs.	LH / RH Only		12R22.5(H) 16 Ply		
Meritor MFS-14		Dual Only				
Meritor MFS-16	16,000 lbs.	Dual / LH / RH	16.5" x 6" Q Plus	315/80R22.5(J) 18 Ply		
Meritor MFS-18	18,000 lbs.	Dual / LH / RH	16.5" x 6" Q Plus	315/80R22.5(J) 18 Ply		