

Stinger - Technical Specification

ENGINE		2.2 CRDI				2.0 T-GDI				3.3 T-GDI							
Type/layout		Turbocharged four-cylinder in-line				Turbocharged four-cylinder in-line				Twin-turbocharged V6							
Engine Material	Block	Aluminum				Aluminum				Aluminum							
	Head	Aluminum				Aluminum				Aluminum							
Displacement	(cm3)	2199				1998				3342							
Bore x stroke	(mm)	85.4 x 96				86 x 86				92.0 x 83.8							
Compression ratio		16 : 1				10 : 1				10 : 1							
Max. Power	(PS (kW) @ rpm)	200ps (147kW) @ 3800 rpm				245ps (180 kW) @ 6200 rpm				366ps (269 kW) @ 6000 rpm							
Max. Torque	(Nm @ rpm)	440 Nm @ 1750 - 2750 rpm				353 Nm @ 1400 - 4000 rpm				510 Nm @ 1300 - 4500 rpm							
	(kgf.m (lb.-ft) @ rpm)	44.5 kgf.m (322 lb.-ft) @ 1750 - 2750 rpm				36.0 kgf.m (260 lb.ft) @ 1400-4000 rpm				52.0kgf.m (376 lb.-ft) @ 1300-4500 rpm							
Valves		16 (four per cylinder)				16 (four per cylinder)				24 (four per cylinder)							
Fuel system		CRDI (Common-rail Direct Injection)				GDI (Gasoline Direct Injection)				GDI (Gasoline Direct Injection)							
Emission Control System		LNT+SDPF+SCR				WCC+GPF				WCC+GPF							
Emission level		EURO 6d Temp				Euro 6d Temp				EURO 6d Temp							
Electric system	Battery (AH)	90				80				90							
	Alternator (V.A)	13.5V, 180A				13.5V, 150A				13.5V, 180A							
	Starter (V, kW)	12V, 2.0kW				12V, 1.4kW				12V, 2.0kW							
Lubricant oil capacity	(liter)	6.3				6.3				7.7							
Cooling capacity - engine only (liter)		LHD: 5.0 RHD: 5.2				2.8				5.6							
Fuel tank	Capacity (liter)	60				60				60							
	Material					Plastic											
Adblue tank	Capacity (liter)	18															
TRANSMISSION																	
Drive type		Rear-wheel Drive (RWD)				All-wheel Drive (AWD)				Rear-wheel Drive (RWD)				RHD: Rear-wheel Drive (RWD)		LHD: All-wheel Drive (AWD)	
4WD System						Permanent 4WD										Permanent 4WD	
Transmission	Type	8-speed automatic				8-speed automatic				8-speed automatic							
	Model	A8LR-1				A8LR-1				A8TR-1							
Max Torque	(kgf.m)	45 kgf.m				45 kgf.m				56 kgf.m							
Gear ratio	1st	3,964				3,964				3,665							
	2nd	2,468				2,468				2,396							
	3th	1,610				1,610				1,610							
	4th	1,176				1,176				1,190							
	5th	1,000				1,000				1,000							
	6th	0,832				0,832				0,826							
	7th	0,652				0,652				0,643							
	8th	0,565				0,565				0,556							
	Reverse:	2,273				2,273				2,273							
Final gear ratio	3,385				3,727				3,538								
Clutch	Type	Torque converter				Torque converter				Torque Converter							
Oil capacity	(liter)	9.2				9.2				9.2							
STEERING																	
Steering	Type	RWD				AWD				RWD				RHD: RWD		LHD: AWD	
	Power source					Motor driven power steering, rack-and-pinion				Electric Motor							
Variable Gear Ratio		n/a				n/a				standard							
Turns	Lock-to-lock	2.4				2.3				2.4				2.2		2.1	
Turning radius	Curb-to-curb (m)	11.2				11.7				11.2				11.2		11.7	
BRAKES																	
Brake type	Front	Ventilated disc				Ventilated disc				Brembo 4-Piston Caliper Ventilated Disc							
	Rear	Solid disc				Ventilated disc				Brembo 2-Piston Caliper Ventilated Disc							
Brake size	Front (mm)	320				345				350							
	Rear (mm)	315				330				340							
SUSPENSION																	
Suspension	Front					MacPherson Strut Type											
	Rear					Multi-link (5-link)											
Shock Absorber type						Gas type											
WHEEL & TIRE																	
Wheel	Type	Alloy				Alloy				Alloy							
	Size	7.0J x 17 8.0J x 18				8.0Jx18 8.0Jx19 (front) / 8.5Jx19 (rear)				8.0Jx19 (front) / 8.5Jx19 (rear)							
	Offset (mm)	17° : 36 18° : 34				18° : 34 19° : 34 (front) / 46.5 (rear)				19° : 34 (front) / 46.5 (rear)							
Tire	Size	P225/50R17 (94W) P225/45R18 (95Y)				P225/45R18 (95Y) P225/40R19 (93Y) (Front) / P255/35R19 (96Y) (Rear)				P225/40R19 (93Y) (Front) / P255/35R19 (96Y) (Rear)							
	(Load capacity & Speed category)																
Spare tire		STD: Tire Mobility Kit (TMK) / OPT: Temporary Spare Tire (T135/80R18)															
WEIGHT																	
Curb weight	Minimum (kg)	1735				1655				1789				1858			
	Maximum (kg)	1838				1771				1841				1905			
Gross weight	(kg)	2260				2185				2260				2325			
Trailer Weight (kg)	Braked (kg)	1500				1,100				1,000							
	Unbraked (kg)					750											
Vertical load	(kg)					75											
Roof load	(kg)					90											
DIMENSIONS																	
Exterior																	
Length	mm (in.)	4830 (190.2 in)															
Width	mm (in.)	1870 (73.6 in)															
Height	mm (in.)	1400 (55.1 in)															
Wheelbase	mm (in.)	2905 (114.4 in)															
Track	Front (mm (in.))	17°: 1592mm (62.7in.) 18°: 1596mm (62.8in)				18°/19°: 1596mm (62.8in.)				19°: 1596mm (62.8in.)							
	Rear (mm (in.))	17°: 1643mm (64.7in.) 18°: 1647mm (64.8in.)				18°: 1647mm (64.8in.) 19°: 1619mm (63.7in.)				19°: 1619mm (63.7in.)							
Overhang	Front (mm (in.))					830 (32.7 in.)											
	Rear (mm (in.))					1095 (43.1 in)											
Ground clearance	mm (in.)					130 (5.1 in)											
Approche angle	(degree)					13.1											
Departure angle	(degree)					16.5											
Interior																	
Head Room	Front (mm (in.))					974 mm (39.4 in.)											
	Rear (mm (in.))					939 mm (37.0 in.)											
Leg Room	Front (mm (in.))					1,083 mm (42.6 in.)											
	Rear (mm (in.))					925 mm (36.4 in.)											
Shoulder Room	Front (mm (in.))					1,433 mm (56.4 in.)											
	Rear (mm (in.))					1,391 mm (54.8 in.)											
CARGO CAPACITY																	
Cargo Space (VDA V211)	(liter)	406 l (TMK / w/ luggage under tray or Temp / w/o luggage under tray)															
Cargo Space (VDA V214)	(liter)	1114 l (TMK / w/ luggage under tray or Temp / w/o luggage under tray)															
Cargo space (B/seat upright)	Length (mm) (SAE L204/ L202)					710 mm /1055 mm											
	Width (mm) (SAE W201/ W200)					964 mm /1304 mm											
	Height (mm) (SAE H201)					627 mm											
Cargo space (B/seat folded)	Length (mm) (SAE L204/ L202)					1548 mm /1815 mm											
	Width (mm) (SAE W201/ W200)					964 mm /1304 mm											
	Height (mm) (SAE H201/H205)					627 mm											
Cargo opening	Width (mm) (SAE W207)					994 mm											
	Height (mm) (SAE H202)					505 mm											
Lift-over Height	(mm) (SAE H251)					1810mm											
DYNAMIC PERFORMANCE																	
Max. Speed	(kph)	RWD				AWD				RWD				RHD: RWD		LHD: AWD	
		230				233				270							
Acceleration performance	0 → 100 kph (sec)	7.6				6.3				5.1				5.5			
	80 → 120 kph (sec)	5.9				6.3				3.4				3.6			
Brake performance	100 → 0 kph (m)	35				35				35							
FUEL CONSUMPTION (NEDC 2.0)																	
Drive type		RWD				AWD				LHD : RWD				RHD : RWD		LHD : RWD	
Wheel size		17°&18°				17°&18°				18°/19°		18°/19°		19°		19°	
Fuel consumption	Urban (liter/100km)	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH		
	Extra Urban (liter/100km)	n/a	7.3	n/a	7.8	10.5	10.7	11	11	n/a	12.9	n/a	14.3	n/a	14.3		
	Combined (liter/100km)	n/a	5.0	n/a	5.6	6.4	6.6	6.5	6.7	n/a	7.8	n/a	8.3	n/a	8.3		
		n/a	5.8	n/a	6.4	7.9	8.1	8.1	8.3	n/a	9.6	n/a	10.5	n/a	10.5		
CO2	Urban (liter/100km)	n/a	192	n/a	206	241	246	252	253	n/a	295	n/a	327	n/a	327		
	Extra Urban (liter/100km)	n/a	132	n/a	147	146	151	148	153	n/a	178	n/a	189	n/a	189		
	Combined (liter/100km)	n/a	154	n/a	169	181	186	186	190	n/a	221	n/a	240	n/a	240		
FUEL CONSUMPTION (WLTP)																	
Drive type		RWD				AWD				LHD : RWD				RHD : RWD		LHD : RWD	
Wheel size		17°&18°				17°&18°				18°/19°		18°/19°		19°		19°	
Fuel consumption	Low phase	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH		
	Mid phase	n/a	9.0	n/a	9.3	13,317	13,555	13,674	14,310	n/a	16,898	n/a	17,418	n/a	17,418		
	High phase	n/a	6.8	n/a	7.3	8,577	8,937	8,749	9,314	n/a	10,008	n/a	10,945	n/a	10,945		
	Extra-high phase	n/a	6.0	n/a	6.3	7,366	7,791	7,425	7,880	n/a	8,473	n/a	9,086	n/a	9,086		
	Combined	n/a	6.9	n/a	7.1	8,566	9,034	8,666	9,330	n/a	9,396	n/a	9,888	n/a	9,888		
		n/a	6.9	n/a	7.2	8,831	9,233	8,967	9,543	n/a	10,235	n/a	10,859	n/a	10,859		
CO2	Low phase	n/a	235	n/a	244	303,24	308,50	311,28	325,66	n/a	384,87	n/a	396,49	n/a	396,49		
	Mid phase	n/a	178	n/a	191	195,21	203,26	199,03	211,79	n/a	227,84	n/a	248,96	n/a	248,96		
	High phase	n/a	156	n/a	165	167,62	177,14	168,86	179,10	n/a	192,84	n/a	206,59	n/a	206,59		
	Extra-high phase	n/a	180	n/a	184	194,96	205,46	197,13	212,14	n/a	213,88	n/a	224,88	n/a	224,88		
	Combined	n/a	179	n/a	187	201	210	204	217	n/a	233	n/a	247	n/a	247		
		n/a	179	n/a	187	201	210	204	217	n/a	233	n/a	247	n/a	247		