

# Design Specifications

	ITEMS	METRIC	ENGLISH	NOTES
<b>DIMENSIONS</b>	Overall Length	3,755 mm	147.8 in.	
	Overall Width	3,795 mm	149.4 in.	
	Overall Height	1,675 mm	65.9 in.	KQ, KY
	Overall Height	1,670 mm	65.7 in.	Ex. KQ, KY
	Wheel Base	1,270 mm	50.0 in.	
	Track, Front/Rear	1,280 mm	50.4 in.	KY
	Track, Front/Rear	2,300 mm	90.6 in.	
	Track, Front/Rear	1,450/1,456 mm	57.1/57.3 in.	Ex. KQ, KY
	Track, Front/Rear	1,445/1,455 mm	56.9/57.3 in.	KY
	Track, Front/Rear	1,450/1,455 mm	57.1/57.3 in.	KQ
<b>WEIGHTS</b>	Engine Weight (Wet)	107 kg	236 lb.	
	Engine Weight (Wet)	113 kg	249 lb.	
	Curb Weight	925 kg	2,040 lb.	KX
	Curb Weight	909 kg	2,004 lb.	KY
	Curb Weight	910 kg	2,007 lb.	KB
	Curb Weight	905 kg	1,996 lb.	KF, KE
	Curb Weight	900 kg	1,985 lb.	KW
	Curb Weight	895 kg	1,973 lb.	KS
	Curb Weight	890 kg	1,962 lb.	KW
	Curb Weight	900 kg	1,985 lb.	KG
<b>ENGINE</b>	Weight Distribution (Front/Rear)	935 kg	2,017 lb.	KQ
	Weight Distribution (Front/Rear)	575/350 kg	1,268/772 lb.	KX
	Weight Distribution (Front/Rear)	559/350 kg	1,232/772 lb.	KY
	Weight Distribution (Front/Rear)	560/350 kg	1,235/772 lb.	KB
	Weight Distribution (Front/Rear)	555/350 kg	1,224/772 lb.	KF, KE
	Weight Distribution (Front/Rear)	550/350 kg	1,213/772 lb.	KW
	Weight Distribution (Front/Rear)	550/345 kg	1,213/761 lb.	KS
	Weight Distribution (Front/Rear)	545/345 kg	1,202/761 lb.	KW
	Weight Distribution (Front/Rear)	550/350 kg	1,213/772 lb.	KG
	Weight Distribution (Front/Rear)	585/350 kg	1,290/772 lb.	KQ
Max. Permissible Weight (EC)	1,290 kg	2,844 lb.	Ex. KS	
Maximum Loaded Vehicle Weight	1,140 kg	2,513 lb.	KS	
Carrying (Loading) Weight Capacity	1,370 kg	3,020 lb.	KY	
Carrying (Loading) Weight Capacity	45 kg	160 lb.		
<b>ENGINE</b>	Type	Water cooled 4-cycle S.O.H.C.		
	Type	Water cooled 4-cycle D.O.H.C.		
	Cylinder arrangement	4-cylinder in-line, transverse		
	Bore and Stroke	75 x 90 mm	2.95 x 3.54 in.	
	Displacement	1,590 cm <sup>3</sup> (cc)	97 cu. in.	
	Compression Ratio			
	Compression Ratio		9.1	
	Compression Ratio		9.5	
	Valve Train	4-valves per cylinder, single or dual overhead camshafts		
	Lubrication System	Pressure fed		
Fuel Required	Unleaded gasoline with 95 research octane number or higher			
Fuel Required	Unleaded gasoline with 91 research octane number or higher			
Fuel Required	Leaded gasoline with 97 research octane number or higher			

	ITEMS	METRIC	ENGLISH	NOTES
<b>STARTER</b>	Type	1.0 kW, 1.2 kW, 1.4kW		
	Normal Output	Gear reduction		
	Normal Voltage	1.0 kW, 1.2 kW, 1.4 kW		
	Hour Rating	12V		
	Direction of Rotation	30 seconds		
	Weight	Clockwise as viewed from gear end		
	1.0 kW MITSUBA	3.4 kg	7.5 lb.	
	ND	3.85 kg	8.5 lb.	
	1.2 kW ND	3.85 kg	8.5 lb.	
	1.4 kW MITSUBA	3.7 kg	8.2 lb.	
<b>TRANSMISSION</b>	Clutch	Single plate dry, diaphragm spring		
	Transmission Type	5 speeds forward, synchromesh, 1 speed reverse, constant mesh		
	Primary Reduction	1.000		
	Gear Ratio	SOHC	DOHC	
	1st	3.250	3.250	
	2nd	1.894	1.944	
	3rd	1.259	1.346	
	4th	0.937	1.033	
	5th	0.771	0.878	
	Reverse	3.153	3.153	
Final Reduction	SOHC	Single helical gear, 4.250		
Clutch Facing Area	DOHC	Single helical gear, 3.888		
		160 cm <sup>2</sup>	24.8 sq. in.	
<b>AIR CONDI-TIONER</b>	Cooling Capacity	3,850 Kcal/h		
	Conditions:			
	Compressor Revolution Speed	1,800 min <sup>-1</sup> (rpm)		
	Outside Air Temperature	27.0°C	81°F	
	Outside Air Humidity	50%		
	Condenser Air Temperature	35°C 95°F		
	Condenser Air Velocity	4.5 m/sec.	14.8 ft./sec.	
	Blower Capacity	440 m <sup>3</sup> /h	15,118 cu. ft/h	
	Compressor (MATSUSITA)	Type	Vane rotary type	
		Number of Vane	3	
	Displacement	130cc/rev.	7.93 cu. in. /rev	
	Max. speed	7,500 min <sup>-1</sup> (rpm)		
	Lubricant Capacity	130 cc	7.93 cu. in.	
	Receiver Dryer With Desiccant	Includes fusible safety plug.		
	Condenser	Corrugated fin type		
	Evaporator	Corrugated fin type		
	Blower	Type	Sirocco fan	
	Motor Input	170 W (12 V)		
	Speed Control	4 speeds		
	Max. Capacity	390 m <sup>3</sup> /h	13,773 cu. ft/h	
	Temp. Control	Air-mix type		

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<b>AIR CONDITIONER</b>	Comp. Clutch	Type Power Consumption	Dry, single plate, V-belt 32 W max. 12 V		
	Refrigerant	Type Quantity	0.9±0.05 kg	R-12 1.98±0.11 lb	
<b>STEERING SYSTEM</b>	Type		Rack and pinion		
	Overall Ratio	Manual Power	18.6 (18–20.4): 1 17.7: 1		
	Turns, Lock-to-lock	Manual Power	4.1 3.65		
	Steering Wheel Diameter		370 mm	14.6 in.	
<b>SUSPENSION SYSTEM</b>	Type	Front/Rear	Independent by double wishbones, coil springs		
	Shock Absorber	Front Rear	Telescopic, nitrogen gas-filled Telescopic, nitrogen gas-filled		
<b>WHEEL ALIGNMENT</b>	Wheel Alignment				
	Camber	Front Rear	0°00'±1' -0°30'±1'		
	Caster Toe-in	Front Front Rear	0±3 mm 2±2 mm	3°00'±1' 0±0.12 in. 0.08±0.08 in.	
<b>BRAKE SYSTEM</b>	Type	Front Rear	Power assisted self-adjusting disc Power assisted self-adjusting disc		
	Lining Surface Area	Front Rear	44.1 mm <sup>2</sup> 21.0 mm <sup>2</sup>	6.84 sq. in. 3.25 sq. in.	
	Effective Disc Diameter	Front Rear	194 mm 208 mm	7.64 in. 8.19 in.	
	Parking Brake Kind and Type		Mechanically actuating, rear two wheel brakes		
<b>TIRES</b>	Front/Rear	SOHC DOHC	185/60 R14 82H 185/60 VR14 T105/80D 13		
	Spare (EC)				
<b>ELECTRICAL</b>	Battery		12V-47AH 12V-45AH		KE, KF
	Starter		12V-1.0 kW, 1.2 kW, 1.4 kW		
	Alternator		12V-60 amps		
	Fuses	In the dash fuse box In the main fuse box	10A, 15A, 20A, 30A 50A, 60A		
	Headlights High/Low		12V-60/55W		
	Front Turn Signal Lights		12V-21W		
	Rear Turn Signal Lights		12V-21W		
	Side Turn Signal Lights		12V-5W		
	Stop/Taillights		12V-21/5W		
	Back-up Lights		12V-21W		
	License Plate Lights		12V-5W		
	Gauge Lights		12V-3.4W, 3.0W, 1.4W		
	Indicator Lights		12V-1.4W		
	Warning Lights		12V-5W		
	Dome Light		12V-5W		
Trunk Light		12V-3.4W			
Illumination and Pilot Lights		12V-1.4W			
Heater Illumination Lights		0.91W, 0.84W, LED 12V-1.4W			