



FAC SERIES

PORTABLE COMPRESSORS

FSCURTIS®

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The FAC Series from FS-Curtis comprises a range of heavy duty, portable diesel air compressors offering superior efficiency, quality and reliability in an environmentally responsible manner. There is a wide selection of models including box and trailer type configurations with continuous duty outputs from 1.84 to 11 m³/min (65 to 390 cfm) at a rated pressure of 7 bar (100 psi). An aftercooler option is available for each of the compressor sizes.



The compressors are based on well proven designs that are market leaders in their home territory of Japan and widely distributed throughout the rest of the world including Australia. Thousands of these units are already working under the most demanding conditions in construction, mining and industrial applications. With a comprehensive array of standard features, the FAC Series compressors represent outstanding value for money in capital investment terms. And their high levels of fuel efficiency and reliability deliver whole-of-life operating costs that are amongst the lowest available.



The entire range of FAC Series compressors is manufactured in a state-of-the-art Japanese factory that is equipped with the latest manufacturing technology including robotic machining centres. Dual ISO 9001 and ISO 14001 accreditation acknowledges the plant's commitment to world's best practice in both quality and environmental management. Most significantly, the heart of each compressor – its rotary screw air end – is manufactured in this same factory to ensure perfect compatibility with each compressor model.

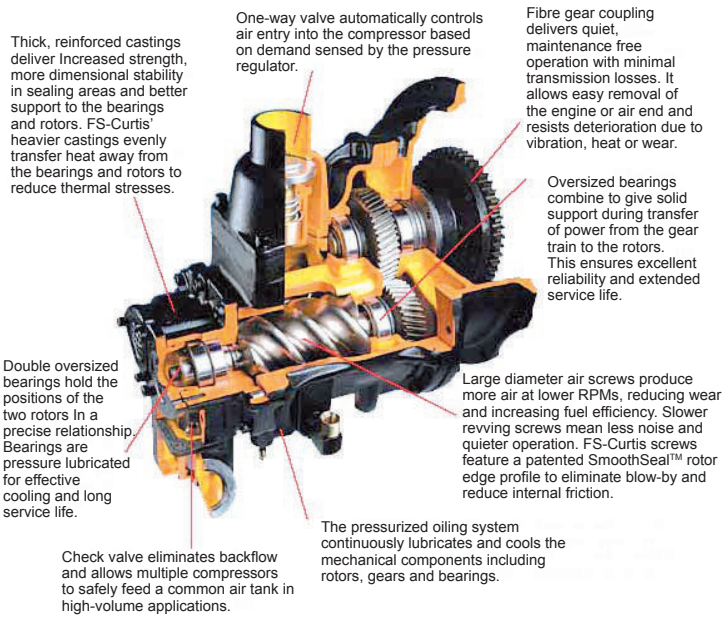


FS-Curtis is a member of the global Fusheng group of companies, one of the world's largest manufacturers of air compressors with over 170 years of experience. Fusheng compressors have been sold in Australia for over six decades and continue to gain in popularity because of their legendary reputation for outstanding performance and reliability.

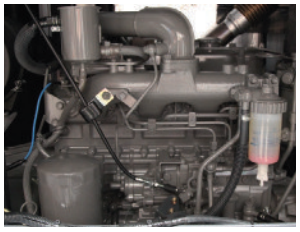
FEATURES AND BENEFITS

Air End

- Oil-injected, rotary screw air end featuring a unique asymmetric rotor profile.
- Designed and manufactured in-house using the most advanced computer-aided artificial intelligence and robotic technology.
- High efficiency, low speed, oversized air end reduces fuel consumption, noise and wear.



Diesel Engine



- The engine match selection for each compressor model is based on achieving optimum performance and reliability with the lowest possible fuel consumption.
- Only premium quality engines are used including Kubota, Yanmar and Isuzu. All are backed up by their own worldwide parts and service networks.
- Low fuel consumption and both exhaust and noise emission levels are amongst the best in class.
- Automatic fuel prime and air bleed system eliminates the need for opening injector lines if the compressor runs out of fuel.
- Two-stage fuel filtration via water sedimenter and high capacity pleated filter element.

Control System

- Integrated starting unloader control for initial engine warm-up.
- Automatic zero to 100% capacity control by means of engine speed regulation and compressor inlet valve modulation.
- Shutdown protection for critical parameters including engine oil pressure, engine coolant temperature and compressor discharge air temperature.
- Warning protection for non-critical parameters including battery voltage and fuel level.
- Additional shutdown and warning features depending on model.



Operator Interface

- Removable starter key to prevent unauthorised operation.
- Comprehensive analogue and digital instruments supplemented by status and warning lights.
- Operator controls and instruments all grouped together ergonomically on one panel.
- Control panel located at the rear of the compressor for operator protection from passing traffic.
- Discharge air outlet valves located adjacent to the control panel for visual confirmation of air line status.



Aftercooler (Factory Fitted Option)

- Integrated air-to-air aftercooler and water coalescer remove liquid water and mist from the compressed air.
- Discharge air temperature reduced to 20°C maximum above ambient.
- Recommended for abrasive blasting, protective coating and pneumatic tool applications.



Steel Chassis and Body Panels

- Durable and tough, powder-coated steel body panels won't fade and crack like a plastic canopy.
- Damaged body panels can be easily unbolted and repaired off-site.
- High visibility white colour approved for mine site use.
- Lockable cabinet doors and control panel cover for safety and security.
- Internal pneumatic tool storage compartment on gull wing door models.
- Single point lifting lug positioned above the unit's centre of gravity.
- Overall fit and finish is of premium Japanese automotive standard.





Aluminium Alloy Trailer

- Locally fitted ADR compliant running gear for up to 110 km/h on-road use.
- 50 mm ball coupling mounted on fixed A-frame drawbar.
- Parking and service brakes on models above 750 kg GTM.
- Sealed LED multi-voltage lamps.
- Heavy duty axle(s), suspension, tyres and wheels.
- Single or dual axle configuration.



Air-Oil Separator Tank and Safety Valve

- WH&S registered pressure vessel design with manufacturer's data report supplied.
- Non-adjustable, sealed and stamped safety valve.
- Approved for workplace use in all Australian States and Territories.



Inspection and Maintenance Provisions

- Fluid drains are fitted with valves and piped to the outside of the unit.
- Selected models have external air-oil separator elements.
- Dual element air filters prevent dust ingress during replacement.
- Side hinged doors open out wide to 180 degrees.
- Top hinged doors with gas struts open up high for ample headroom.
- Side-by-side radiator and oil cooler are easier to clean.
- Safety guard fitted around engine cooling fan and V-belts.



Noise Control

- Super silent full load noise levels from as low as 66 dB(A) at 7 m.
- Low engine and air end speed design is intrinsically quieter.
- Steel body panels lined with sound absorbent material.
- Computer aided sound path analysis and attenuation design.



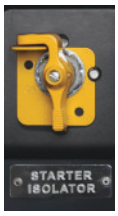
Environmental Protection

- Low fuel consumption ensures a reduced carbon footprint.
- Low exhaust emissions cause minimal harm to the atmosphere.
- Low noise levels protect ambient conditions and workers' hearing.
- Models FAC-18B and 18BC are bunded to prevent environmental contamination from fuel, oil or coolant leaks.
- Almost 100% recyclable at end of service life to save the earth's precious resources.

Options

- Optional custom equipment is available to comply with application specific requirements such as mine site use.
- Locally fitted, high quality components designed and tested to work reliably under the harshest conditions.
- Professionally installed by factory trained technicians during compressor pre-delivery inspection and testing.







Customer and Product Support

- Australia-wide dealer network offering product selection advice, maintenance and repair services, and genuine FS-Curtis spare parts.
- Online instruction manuals and spare parts catalogues can be accessed via the internet 24/7.
- Comprehensive 12 month / 1,500 hour factory backed warranty.



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PORTABLE COMPRESSORS









BOX TYPE

- Designed for mounting in confined spaces such as on utes and service trucks.
- Lockable, silenced and weatherproof steel cabinet with compact dimensions.
- Daily maintenance functions can be performed from one side of the compressor.

BOX TYPE SPECIFICATIONS

			FAC-18B	FAC-18BC	FAC-23B	FAC-23BC	FAC-28B	FAC-28BC	FAC-37B	FAC-37BC
COMPRESSOR	Type		Rotary Screw, Single-Stage, Oil-Cooled							
	Aftercooler		N/A	Air-to-Air	N/A	Air-to-Air	N/A	Air-to-Air	N/A	Air-to-Air
	Free Air Delivery	m^3/min	1.84	1.84	2.3	2.3	2.8	2.8	3.7	3.7
		cfm	65	65	80	80	100	100	130	130
	Rated Pressure	bar	7	7	7	7	7	7	6.9	6.9
		psi	102	102	102	102	102	102	100	100
	Maximum Pressure	bar	9.2	9.2	9.3	9.3	9	9	9	9
		psi	133	133	135	135	130	130	130	130
	Air Outlets	BSP	3/4"x1, 3/8"x1	3/4"x1, 3/8"x1	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2
ENGINE	Make		Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Yanmar	Yanmar
	Model		D722-K3A	D722-K3A	D902-K3A	D902-K3A	D1105-K3B	D1105-K3B	3TNV88-BDHK	3TNV88-BDHK
	No. of Cylinders		3	3	3	3	3	3	3	3
	Displacement	L	0.719	0.719	0.898	0.898	1.123	1.123	1.642	1.642
	Output	kW	14.1	14.1	17.0	17.0	19.2	19.2	26.5	26.5
	Speed	rpm	3,600	3,600	3,600	3,600	3,400	3,400	3,000	3,000
	Fuel Tank	L	18	18	25	25	28	28	70	70
	Battery	V	12	12	12	12	12	12	12	12
DIMENSIONS & WEIGHTS	Overall Length	mm	1,370	1,370	1,500	1,500	1,580	1,580	1,700	1,700
	Overall Width	mm	700	700	770	770	770	770	890	890
	Overall Height	mm	800	800	865	865	900	900	1,080	1,080
	Weight (Wet)	kg	340	345	435	440	500	510	720	730
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	1.5	1.5	1.9	1.9	2.1	2.1	2.5	2.5
	Fuel Use @ 100% Load	L/h	3.9	3.9	5.1	5.1	6.3	6.3	7.5	7.5
	Noise Level @ 7 m	dB(A)	67	67	66	66	66	66	66	66
	Exhaust Emissions	Tier	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3









			FAC-52B	FAC-52BC	FAC-52P WW	FAC-75B	FAC-75BC	FAC-110B	FAC-110BC
COMPRESSOR	Type		Rotary Screw, Single-Stage, Oil-Cooled						
	Aftercooler		N/A	Air-to-Air	N/A	N/A	Air-to-Air	N/A	Air-to-Air
	Free Air Delivery	m^3/min	5.2	5.2	5.2	7.5	7.5	11.0	11.0
		cfm	185	185	185	265	265	390	390
	Rated Pressure	bar	7	7	6.9	6.9	6.9	6.9	6.9
		psi	102	102	100	100	100	100	100
	Maximum Pressure	bar	9	9	9	9	9	8.5	8.5
		psi	130	130	130	130	130	125	125
	Air Outlets	BSP	3/4" x 3	3/4" x 3	3/4" x 2	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4
ENGINE	Make		Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Isuzu	Isuzu
	Model		4TNV88-BXDHKSR1	4TNV88-BXDHKSR1	4TNV88-BXDHKS	4TNV98T-NHK	4TNV98T-NHK	CI-4JJ1X	CI-4JJ1X
	No. of Cylinders		4	4	4	4	4	4	4
	Displacement	L	2.189	2.189	2.189	3.319	3.319	2.999	2.999
	Output	kW	34.9	34.9	36.4	61.2	61.2	84.4	84.4
	Speed	rpm	3,000	3,000	3,000	2,500	2,500	2,200	2,200
	Fuel Tank	L	90	90	90	115	115	180	180
	Battery	V	12	12	12	12	12	24	24
DIMENSIONS & WEIGHTS	Overall Length	mm	1,970	1,970	1,895	2,050	2,050	2,810	2,810
	Overall Width	mm	950	950	1,245	1,200	1,200	1,300	1,300
	Overall Height	mm	1,080	1,080	1,040	1,250	1,250	1,400	1,400
	Weight (Wet)	kg	855	865	870	1,290	1,320	1,870	1,910
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	2.8	2.8	2.7	5.4	5.4	7.5	7.5
	Fuel Use @ 100% Load	L/h	9.0	9.0	9.5	15.0	15.0	20.0	20.0
	Noise Level @ 7 m	dB(A)	68	68	69	69	69	70	70
	Exhaust Emissions	Tier	JPN Stage 3	JPN Stage 3	USA Tier 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3

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TRAILER TYPE

- For applications requiring enhanced compressor mobility.
- Single or dual axle on-road configurations.
- Can be easily converted into box type if required.



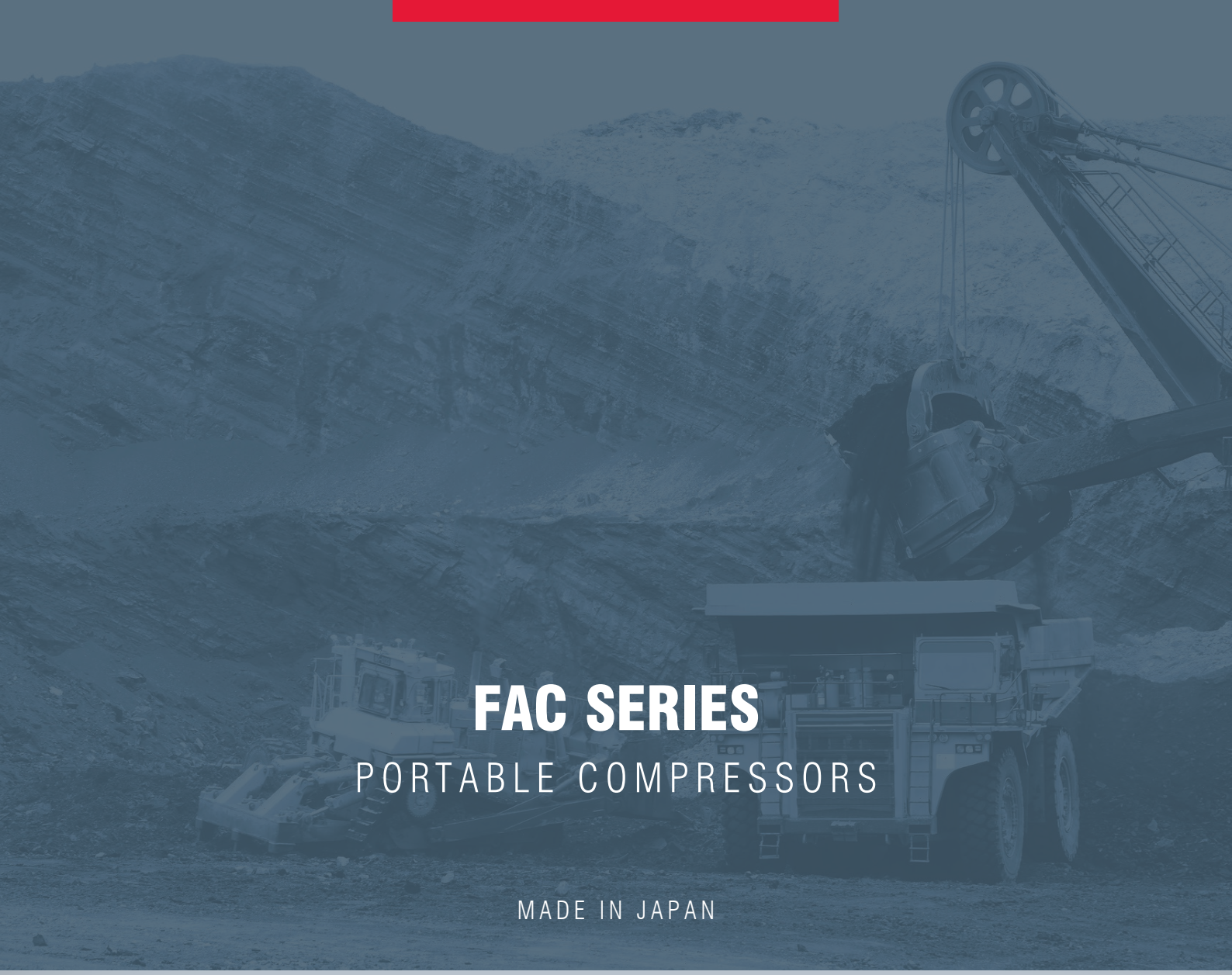


TRAILER TYPE SPECIFICATIONS

			FAC-18B TRLR	FAC-18BC TRLR	FAC-23B TRLR	FAC-23BC TRLR	FAC-28B TRLR	FAC-28BC TRLR	FAC-37B TRLR	FAC-37BC TRLR
COMPRESSOR	Type		Rotary Screw, Single-Stage, Oil-Cooled							
	Aftercooler		N/A	Air-to-Air	N/A	Air-to-Air	N/A	Air-to-Air	N/A	Air-to-Air
	Free Air Delivery	m^3/min	1.84	1.84	2.3	2.3	2.8	2.8	3.7	3.7
		cfm	65	65	80	80	100	100	130	130
	Rated Pressure	bar	7	7	7	7	7	7	6.9	6.9
		psi	102	102	102	102	102	102	100	100
	Maximum Pressure	bar	9.2	9.2	9.3	9.3	9	9	9	9
		psi	133	133	135	135	130	130	130	130
	Air Outlets	BSP	3/4"x1, 3/8"x1	3/4"x1, 3/8"x1	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2
ENGINE	Make		Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Yanmar	Yanmar
	Model		D722-K3A	D722-K3A	D902-K3A	D902-K3A	D1105-K3B	D1105-K3B	3TNV88-BDHK	3TNV88-BDHK
	No. of Cylinders		3	3	3	3	3	3	3	3
	Displacement	L	0.719	0.719	0.898	0.898	1.123	1.123	1.642	1.642
	Output	kW	14.1	14.1	17.0	17.0	19.2	19.2	26.5	26.5
	Speed	rpm	3,600	3,600	3,600	3,600	3,400	3,400	3,000	3,000
	Fuel Tank	L	18	18	25	25	28	28	70	70
	Battery	V	12	12	12	12	12	12	12	12
CHASSIS	No. of Axles		1	1	1	1	1	1	1	1
	Tyre Size		185R14	185R14	185R14	185R14	185R14	185R14	185R14	185R14
	Service Brakes		N/A	N/A	N/A	N/A	Over-Run	Over-Run	Over-Run	Over-Run
DIMENSIONS & WEIGHTS	Overall Length	mm	2,860	2,860	2,940	2,940	3,010	3,010	3,190	3,190
	Overall Width	mm	1,560	1,560	1,560	1,560	1,640	1,640	1,730	1,730
	Overall Height	mm	1,520	1,520	1,485	1,485	1,540	1,540	1,670	1,670
	Weight (Wet)	kg	526	531	615	620	710	720	943	953
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	1.5	1.5	1.9	1.9	2.1	2.1	2.5	2.5
	Fuel Use @ 100% Load	L/h	3.9	3.9	5.1	5.1	6.3	6.3	7.5	7.5
	Noise Level @ 7 m	dB(A)	67	67	66	66	66	66	66	66
	Exhaust Emissions	Tier	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3



			FAC-52B TRLR	FAC-52BC TRLR	FAC-52P TRLR	FAC-75B TRLR	FAC-75BC TRLR	FAC-110B TRLR	FAC-110BC TRLR
COMPRESSOR	Type		Rotary Screw, Single-Stage, Oil-Cooled						
	Aftercooler		N/A	Air-to-Air	N/A	N/A	Air-to-Air	N/A	Air-to-Air
	Free Air Delivery	m^3/min	5.2	5.2	5.2	7.5	7.5	11.0	11.0
		cfm	185	185	185	265	265	390	390
	Rated Pressure	bar	7	7	6.9	6.9	6.9	6.9	6.9
		psi	102	102	100	100	100	100	100
	Maximum Pressure	bar	9	9	9	9	9	8.5	8.5
		psi	130	130	130	130	130	125	125
	Air Outlets	BSP	3/4" x 3	3/4" x 3	3/4" x 2	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4	2" x 1, 3/4" x 4
ENGINE	Make		Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Isuzu	Isuzu
	Model		4TNV88-BXDHKSR1	4TNV88-BXDHKSR1	4TNV88-BXDHKS	4TNV98T-NHK	4TNV98T-NHK	CI-4JJ1X	CI-4JJ1X
	No. of Cylinders		4	4	4	4	4	4	4
	Displacement	L	2.189	2.189	2.189	3.319	3.319	2.999	2.999
	Output	kW	34.9	34.9	36.4	61.2	61.2	84.4	84.4
	Speed	rpm	3,000	3,000	3,000	2,500	2,500	2,200	2,200
	Fuel Tank	L	90	90	90	115	115	180	180
	Battery	V	12	12	12	12	12	24	24
CHASSIS	No. of Axles		1	1	1	1	1	2	2
	Tyre Size		185R14	185R14	185R14	195R15	195R15	185R14	185R14
	Service Brakes		Over-Run	Over-Run	Over-Run	Over-Run	Over-Run	Electric	Electric
DIMENSIONS & WEIGHTS	Overall Length	mm	3,290	3,290	3,120	3,470	3,470	4,300	4,300
	Overall Width	mm	1,730	1,730	1,940	1,810	1,810	1,950	1,950
	Overall Height	mm	1,710	1,710	1,630	1,850	1,850	2,000	2,000
	Weight (Wet)	kg	1,059	1,059	1,056	1,554	1,584	2,330	2,370
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	2.8	2.8	2.7	5.4	5.4	7.5	7.5
	Fuel Use @ 100% Load	L/h	9.0	9.0	9.5	15.0	15.0	20.0	20.0
	Noise Level @ 7 m	dB(A)	68	68	69	69	69	70	70
	Exhaust Emissions	Tier	JPN Stage 3	JPN Stage 3	USA Tier 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3



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MADE IN JAPAN

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Authorised FS-Curtis Dealer

Specifications are subject to change without notice. 2025-11-01