



FAC Series

PORTABLE COMPRESSORS



FS-CURTIS®

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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 34 models including box and trailer type configurations, with continuous duty outputs from 1.6 to 36 m³/min (55 to 1,300 cfm) and working pressures from 7 to 24 bar (100 to 350 psi). A factory installed aftercooler option is available for most of the 7 bar compressors.



All models 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. 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.



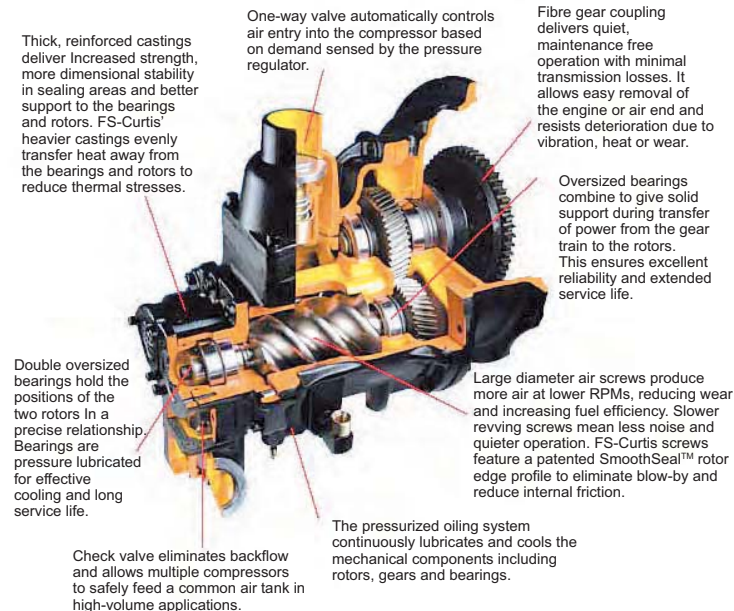
FS-Curtis is a member of the global FuSheng group of companies, one of the world's largest manufacturers of air compressors with over 150 years of experience. FuSheng compressors have been sold in Australia for over three decades and continue to gain in popularity because of their legendary reputation for outstanding performance and reliability.



FEATURES AND BENEFITS

Air End

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



Diesel Engine

- Engine selection for each compressor model is based on achieving optimum performance and reliability with the lowest fuel consumption.
- Only premium quality Japanese engines are used, including Hino, Isuzu, Mitsubishi, Nissan, Shibaura and Yanmar. All are backed up by their own worldwide parts and service networks.
- Low fuel consumption 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

- Manually operated starting unloader control for initial engine warm-up (except FAC-52P).
- 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.

Auto Idle Purge Control System (Model FAC-52P)

- Innovative tri-function controller now standard on this most popular model.
- Provides automatic starting unloader and engine warm up operation.
- Reduces system air pressure and engine idle speed during no-load operation for a 30% reduction in fuel consumption.



Operator Interface

- Removable starter key to prevent unauthorized 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 below the control panel for visual confirmation of air line status.



Steel Chassis and Body Panels

- Durable and tough, heavy gauge steel body panels won't fade and crack like a plastic canopy.
- Oven-baked powder coat finish for long lasting corrosion protection and 'as new' appearance.
- Damaged body panel(s) can be easily unbolted and repaired off-site.
- Lockable cabinet doors and control panel covers for safety and security.
- Internal pneumatic tool storage compartment on gull wing door models.
- Balanced, single point lifting lug positioned above the unit's centre of gravity.
- Overall fit and finish is of Japanese automotive standard.



Single Axle Trailer

- Locally fitted ADR compliant running gear for up to 100 km/h on-road use.
- 50 mm ball coupling mounted on fixed A-frame drawbar.
- Parking and service brakes.
- LED multi-voltage lamps.
- Heavy duty axle, suspension, tyres and wheels.

Dual Axle Trailer

- Factory fitted running gear for up to 20 km/h off-road use.
- 75 mm ring coupling mounted on pivoting A-frame drawbar.
- Long wheelbase, high stability design with one fixed axle and one

steerable axle.

- Hand operated parking brake.
- Heavy duty axles, suspension, tyres and wheels.

Air/Oil Separator Tank and Safety Valve

- OH&S registered pressure vessel design verified against Australian Standard AS 1210.
- Certified, 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.
- Most models have external air/oil separator elements.
- Dual element air filters on selected models prevent dust entry 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

- Full load sound pressure levels from as low as 64 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.
- Almost 100% recyclable at end of service life to save the earth's precious resources.

Customer and Product Support

- Standard 12 month / 1,500 hour factory backed warranty.
- Australia-wide dealer network offering training, maintenance and repair services, and genuine FS-Curtis spare parts backup.
- Factory tour and product training courses available upon request.





BOX TYPE

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



BOX TYPE SPECIFICATIONS

		FAC-16B	FAC-21B	FAC-21BC	FAC-28B	FAC-28BC	FAC-37B	FAC-37BC	
COMPRESSOR	Type	Rotary Screw, Single-Stage, Oil-Cooled							
	Aftercooler	N/A	N/A	Air-to-Air	N/A	Air-to-Air	N/A	Air-to-Air	
	Free Air Delivery	m³/min	1.6	2.1	2.1	2.8	2.8	3.7	3.7
		cfm	55	75	75	100	100	130	130
	Working Pressure	MPa	0.69	0.69	0.69	0.69	0.69	0.7	0.7
		psi	100	100	100	100	100	102	102
	Compressor Oil	L	8	11	11	11	11	14	14
Air Outlets	BSP	3/4" x 1	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	Shibaura	Shibaura	Shibaura	Shibaura	Shibaura	Shibaura	Shibaura	
	Model	E673L-D	S753-D	S753-D	S773L-D	S773L-D	N843L-C	N843L-C	
	No. of Cylinders	3	3	3	3	3	3	3	
	Displacement	L	0.761	0.954	0.954	1.131	1.131	1.662	1.662
	Output	kW (PS)	10.5 (14.3)	15.2 (20.7)	15.2 (20.7)	19 (25.8)	19 (25.8)	28 (38)	28 (38)
	Speed	rpm	3,200	3,500	3,500	3,500	3,500	3,000	3,000
	Fuel Tank	L	18	28	28	28	28	70	70
	Engine Oil	L	3	4.5	4.5	4.9	4.9	6	6
Battery	V	12	12	12	12	12	12	12	
DIMENSIONS & WEIGHTS	Overall Length	mm	1,420	1,580	1,580	1,580	1,580	1,700	1,700
	Overall Width	mm	720	750	750	750	750	890	890
	Overall Height	mm	820	865	865	865	865	1,060	1,060
	Weight (Dry)	kg	320	425	435	435	445	680	690
	Weight (Wet)	kg	350	465	475	475	485	760	770
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	1.6	2.3	2.3	2.5	2.5	2.8	2.8
	Fuel Use @ 100% Load	L/h	3.5	5.0	5.0	6.0	6.0	8.0	8.0
	Noise Level @ 7 m	dB(A)	64	64	64	66	66	67	67
	Exhaust Emissions #	Tier	3	3	3	3	3	2	2

Exhaust emission standards as per Japanese regulations, which are similar to U.S. EPA.



			FAC-52B	FAC-52BC	FAC-75B	FAC-75BC	FAC-110B	FAC-110BC	FACG-360B
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
	Free Air Delivery	m ³ /min	5	5	7.5	7.5	11	11	36
		cfm	175	175	265	265	390	390	1,300
	Working Pressure	MPa	0.69	0.69	0.69	0.69	0.7	0.7	1.27
		psi	100	100	100	100	102	102	185
	Compressor Oil	L	16	16	30	30	51	51	80
Air Outlets	BSP	3/4" x 3	3/4" x 3	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	3" x 1	
ENGINE	Make		Nissan Diesel	Nissan Diesel	Yanmar	Yanmar	Isuzu	Isuzu	Mitsubishi
	Model		TD2714-08	TD2714-08	4TNV98T-NHK	4TNV98T-NHK	DD-4BG1T	DD-4BG1T	S6B3-PTA
	No. of Cylinders		4	4	4	4	4	4	6
	Displacement	L	2.663	2.663	3.319	3.319	4.329	4.329	14.6
	Output	KW (PS)	36 (49)	36 (49)	61.2 (83.2)	61.2 (83.2)	80.9 (110)	80.9 (110)	342 (465)
	Speed	rpm	2,300	2,300	2,500	2,500	2,400	2,400	1,800
	Fuel Tank	L	90	90	115	115	182	182	700
	Engine Oil	L	10	10	10.5	10.5	13	13	80
	Battery	V	12	12	12	12	24	24	24
DIMENSIONS & WEIGHTS	Overall Length	mm	2,070	2,070	2,050	2,050	2,600	2,600	4,650
	Overall Width	mm	950	950	1,200	1,200	1,300	1,300	1,870
	Overall Height	mm	1,060	1,060	1,250	1,250	1,400	1,400	2,050
	Weight (Dry)	kg	790	810	1,150	1,180	1,655	1,710	7,100
	Weight (Wet)	kg	900	920	1,290	1,320	1,870	1,925	8,000
CONSUMPTION & EMISSIONS	Fuel Use @ 0% Load	L/h	3.5	3.5	5.0	5.0	7.5	7.5	44.0
	Fuel Use @ 100% Load	L/h	10.0	10.0	15.6	15.6	22.0	22.0	81.0
	Noise Level @ 7 m	dB(A)	67	67	69	69	70	70	72
	Exhaust Emissions #	Tier	3	3	2	2	2	2	1