COMPRESSED AIR HIRE & SALES
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HIRE & SALES SPECIALISTS

TRAILER MOUNTED
SCREW COMPRESSOR

MODEL CAHS 190-7 · 190 CFM DIESEL AIR COMPRESSOR



WORKING PRESSURE	FREE AIR DELIVERY
7 Bar / 101.5 PSI	190 CFM / 5.4 m³/min

MAIN FEATURES

Availability Across a Wide Range of Applications
All CAHS models are designed to suit a wide range of applications, such as a power source for pneumatic tools, drilling and blasting.

Easy Starting in Cold Weather
This compressor is superior in cold-weather starting with preheat function.

Meters with Luminous Lights
Meters on the operation panel are equipped with luminous lighting, making them more visible in all environments.

Reliable warning system

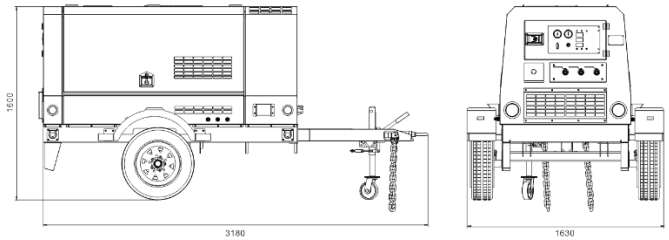
Warning signal for discharge and engine temperature, oil pressure, low oil and automatic cutoff to prevent damage.

Double Element Air Cleaner
The double-element air cleaner prevents dust from entering the air system internals when replacing elements.

Easy Cleaning of Cooling System
Designed so the interiors of the radiator, oil cooler and fuel tank can be easily and quickly cleaned as required.



Rotor assembly (indicative)



Overall dimensions — L 3,440 x W 1,627 x H 1,420 mm

TECHNICAL SPECIFICATIONS

TRAILER MOUNTED SCREW COMPRESSOR — MODEL CAHS 190-7

COMPRESSOR

Type	Rotary twin screw, single stage, oil-cooled
Free air delivery	5.4 m³/min (190 cfm)
Working pressure	7 bar (101.5 psi)
Unloader	Suction port closing in connection with stepless speed regulator
Lubrication system	Forced lubrication by compression pressure
Driving system	Direct coupling with rubber seals
Oil cooling	Air-cooled
Air cooling/drying	After cooler and air water separator
Air cleaner	Dry paper filter type

DIESEL ENGINE

Model	ISUZU JE493ZYA
Type	Water-cooled, 4-cycle, direct-injection, turbo-charged
No. of cylinders	4
Bore x stroke	93 mm x 102 mm
Total displacement	2.771 litres
Compression ratio	18.2 : 1
Rated output	50 kW (59.8 PS) @ 2,500 rpm
Max. torque	206 N·m @ approx. 2,000 rpm
Governor	Mechanical
Alternator	DC 14V, 50A
Starting motor	DC 12V, 2.8 kW
Battery	80AH x 1 pc, 580CCA
Air cleaner	Two-stage dry type

LIQUID CAPACITY

Fuel tank capacity	80 litres
Engine oil capacity	5 litres
Coolant capacity	8 litres
Compressor oil capacity	32 litres

OIL SEPARATOR-RECEIVER TANK

Type	ASME Section VIII compliant
Shell diameter	250 mm
Shell length	784 mm
Capacity	32 L
Max. working pressure	1.58 MPa
Hydraulic test pressure	2.37 MPa
Air outlets	3 x 3/4"
Recommended oil type	#46

INSTRUMENTS & GAUGES

EMERGENCY STOP DEVICES

- Oil pressure switch
- Engine coolant temperature switch
- Discharge air temperature switch
- Compressor oil temperature switch
- Engine speed down switch

GAUGES

- Air pressure gauge
- Fuel level gauge
- Stop button
- Starter switch
- Starting loader
- Tachometer
- Engine oil pressure
- Engine coolant temp
- Discharge air temp
- Discharge air pressure
- Hour meter
- Compressor oil level

DIMENSIONS & WEIGHT

L x W x H	3,440 x 1,627 x 1,420 mm
Weight	1,244 kg

⚠ SAFETY

Always follow the operating manual when using the equipment.

Conduct recommended daily inspections and preventive maintenance checks to maintain safe and reliable operation and prevent faults or accidents.

ISO CERTIFIED 9001

Specifications are subject to change without notice.