

Compressed Air Systems

Air Compressors



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IMT Compressed Air Systems products feature reciprocating or rotary-screw options that meet all your compressed-air needs. Our hydraulically driven or PTO direct-drive air compressors are built for reliable, long-lasting performance. With options ranging from 40 to 110 cfm and an operating pressure of up to 150 psi, our compressor lineup is ideal for virtually any application.

Ideal for heavy-duty use, IMT rotary-screw air compressors are designed to provide continuous high-pressure air for mobile or industrial applications and are available in four models: CAS45R, CAS60, CAS80R and CAS85. IMT reciprocating air compressors are available in three models: CAS40P, CAS4110HT, and CAS4110HU. With a compact design for above- or below-deck mounting depending on the model, these units provide air for use in mobile or stationary pneumatic applications. All IMT reciprocating compressors are hydraulically driven, as are the CAS45R and CAS80R. The CAS60 and CAS85 are PTO direct-drive.



CAS40P



CAS45R



CAS80R

Specifications

Models	Air End	Power Source	Rated Capacity	Weight (wet)	Hydraulic Oil Reservoir
CAS40P	Reciprocating	Hydraulic drive	40 cfm @ 100 psi (6.9 bar)	405 lb (183.7 kg)	Min. 21 gal (79.5 L)
CAS4110HT	Reciprocating	Hydraulic drive	110 cfm @ 150 psi (10.3 bar)	870 lb (395 kg)	Min. 30 gal (113.5 L)
CAS4110HU	Reciprocating	Hydraulic drive	110 cfm @ 150 psi (10.3 bar)	770 lb (349 kg)	Min. 30 gal (113.5 L)
CAS45R	Rotary screw	Hydraulic drive	45 cfm @ 150 psi (10.3 bar)	325 lb (147.4 kg)	Min. 21 gal (79.5 L)
CAS60	Rotary screw	PTO direct drive	60 cfm @ 150 psi (10.3 bar)	280 lb (127 kg)	N/A
CAS80R	Rotary screw	Hydraulic drive	80 cfm @ 150 psi (10.3 bar)	375 lb (170.1 kg)	N/A
CAS85	Rotary screw	PTO direct drive	85 cfm @ 150 psi (10.3 bar)	300 lb (136 kg)	N/A



CAS40P Gauges



CAS80R Gauges



Access Panel

- Access to compressor oil fill
- Access to temperature switch

▶ CAS35WG

Designed to increase productivity, the IMT CAS35WG compressor contains a hydraulically driven 35 cfm reciprocating air compressor, 250 amp welder with 50' leads, and 5000 watt generator. By combining the compressor, welder, and generator into one self-contained unit, the CAS35WG decreases vehicle weight and saves on service costs by not having an additional unit to service.

The CAS35WG operates off of a standard open-center hydraulic system. It will work with most chassis applications that allow for a tandem hydraulic pump to be mounted and have the appropriate amount of hydraulic torque and horsepower available. The unit can run two functions at one time, based on available hydraulic flow. Combinations of functions include crane and welder/generator or air compressor and welder/generator.

The CAS35WG provides additional flexibility to meet operational requirements with a control panel that comes standard with 12' of cable to allow the panel to be remote-mounted on the body to support the needs of the user.



CAS35WG



Specifications

Model	CAS35WG
Power Source	Hydraulic system
Size	20.62"W x 47.75"L x 24"H (52.38 x 121.29 x 60.96 cm)
Weight (wet)	500 lb (226.8 kg)
Compressor	
Rated Capacity	35 cfm (0.99 m ³ /min)
Max. Compressor Operating Pressure	100 psi (6.9 bar)
Ambient Operating Temperature	0° – 120° F (-17.7° – 48.9° C)
Welder/Generator	
Welding Current	250 amps DC
Strike Voltage	90 volts
Duty Cycle	250 amps @ 85%
Generator Output	5 kW @ 7 hp
Welder Leads	50' (15.2 m)
Hydraulic System	
Hydraulic Flow Required (comp & welder/gen)	10/16 gpm (37.8/60.5 L/min)
Normal Hydraulic Operating Pressure (comp & welder/gen)	1850/2050 psi (127.5/141.3 bar)
Max. Hydraulic Operating Pressure	2400 psi (165.5 bar)
Hydraulic Oil Cooler	Integrated
Hydraulic Oil Reservoir	Min. 31 gal (117.3 L)

Performance Data

Airflow (cfm) @ 100 psi	35 cfm
Input Power (hp)	10.8 (max. press)
Compressor Speed (rpm)	1400 (max.)
Hydraulic Motor Flow (gpm)	10 (37.9 L/min)
Hydraulic Motor Pressure (psi)	1850 (125.9 bar)
Welder/Generator	250 A/5 kW
Driving Power (hp)	18 (full load)
Hydraulic Motor Speed (rpm)	3600
Hydraulic Motor Flow (gpm)	16 (60.6 L/min)
Hydraulic Motor Pressure (psi)	2050 (141.3 bar)

Chassis Compatibility

- Tandem hydraulic pump can be mounted with appropriate amount of hydraulic torque and horsepower available
- Class 5 chassis applications that will work with this unit:
 - Ford 4x4 with engine rpm at 1900 will operate the welder/generator or crane or compressor (not simultaneously)
 - Ford 4x2 with engine rpm at 1350 will operate the crane and compressor or welder/generator
- Class 5 chassis applications that will not work with this unit:
 - Dodge 4500/5500 with automatic 4x4 or 4x2
 - Dodge 4500/5500 with manual 4x4



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