

# IMT Compressed Air Systems



An Oshkosh Corporation Company



## COMPRESSED AIR SYSTEMS

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 25 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: CAS2545, CAS3560, CAS60, and CAS85. IMT reciprocating air compressors are available in three models: CAS435HA, 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 CAS2545 and CAS3560. The CAS60 and CAS85 are PTO direct-drive.



Models	Air End	Power Source	Rated Capacity	Weight (wet)	Hydraulic Oil Reservoir
CAS435HA	Reciprocating	Hydraulic drive	35 cfm @ 100 psi (6.8 bar)	200 lb (91 kg)	Min. 30 gal (113.5 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)
CAS2545	Rotary screw	Hydraulic drive	45 cfm @ 125 psi (8.6 bar)	290 lb (132 kg)	Min. 30 gal (113.5 L)
CAS3560	Rotary screw	Hydraulic drive	60 cfm @ 150 psi (10.3 bar)	370 lb (168 kg)	Min. 30 gal (113.5 L)
CAS60	Rotary screw	PTO Direct Drive	60 cfm @ 150 psi (10.3 bar)	280 lb (127 kg)	N/A
CAS85	Rotary screw	PTO Direct Drive	85 cfm @ 150 psi (10.3 bar)	300 lb (136 kg)	N/A



### Instrument Panel

- Air outlet point
- Hydraulic pressure and return points
- Hour meter
- Main electrical connection
- High-temperature warning indicator
- Air filter service indicator



### Access Panel

- Access to compressor oil fill
- Access to temperature switch

*\*An auxiliary hydraulic oil cooler is recommended for use on hydraulic systems that are operating multiple pieces of equipment, such as a hydraulic crane and air compressor simultaneously.*



## CAS35WG

Designed to increase productivity, the IMT CAS35WG compressor contains a hydraulically driven 35 cfm reciprocating air compressor, 250 amp welder with 50-foot 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 and 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 feet of cable to allow the panel to be remote-mounted on the body to support the needs of the user.

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Specifications	CAS35WG
Power Source	Hydraulic system
Size	24"W x 47.75"L x 20.62"H (61 cm x 121.3 cm x 52.4 cm)
Weight (wet)	500 lb (226.8 kg)
<b>Compressor</b>	
Rated Capacity	35 cfm (0.99 m <sup>3</sup> /min)
Max. Compressor Operating Pressure	100 psi (6.9 bar)
Ambient Operating Temperature	0° – 120° F (-17.7° – 48.9°C)
<b>Welder/Generator</b>	
Welding Current	250 amps DC
Strike Voltage	90 volts
Duty Cycle	250 amps @ 85%
Generator Output	5 kW @ 7 hp
<b>Hydraulic System</b>	
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. 30 gal

\*An auxiliary hydraulic oil cooler is recommended for use on hydraulic systems that are operating multiple pieces of equipment, such as a hydraulic crane and air compressor simultaneously.



The CAS35WG provides additional flexibility to meet operational requirements with a control panel that comes standard with 12 feet of cable to allow the panel to be remote-mounted.



*Contact your IMT representative for assistance in setting up your system's components — including hose reels, filters, regulators, lubricators, and air tanks — which can be tailored to specific chassis requirements.*



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