

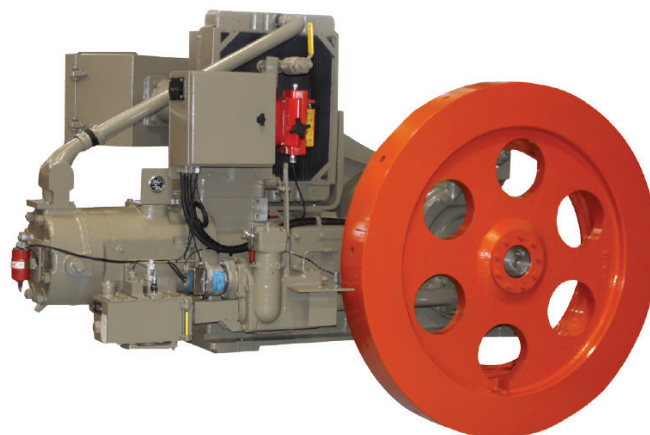
AJAX™ E-565 GAS ENGINE

Proven, rugged, simple

Reliable and continuous service from a proven, sturdy engine

Cooper's Ajax E-565 Gas Engine offers less maintenance, lower field costs and a proven, rugged design. The standard single-cylinder, two-stroke, clean-burning engine meets current federal emission regulations without additional control systems.

Pumping units require smooth, continuous, stable power to reduce shock to the rod string. Ajax E-565 engines have supplied such power in adverse climates and under continuous load in oil fields all over the world. Capable of operating on a wide range of field gas – including both high and low BTU – the Ajax E-565 is a simple, reliable solution for continuous oilfield operation.



Ajax E-565 Gas Engine Specifications

Rated Continuous BHP at 100°F (38° C) ambient	40 hp (29.8 kW)
Rated RPM	525
Bore x Stroke	8-1/2" x 10" (216 mm x 254 mm)
Piston Displacement	567 in³ (9.29 l)
Rated Piston Speed	875 ft/min (267 m/min)
Weight (including flywheel)	4716 lb (2139 kg)
BMEP	53.6 psi (3.67 kg/cm²)
Compression Ratio	6:1
Torque	400 ft-lb (542 N•m)
Thermo-syphon Cooling System	
Capacity	28 qt (26.50 l)
Lubrication System	
Lubricator Capacity	2 qt (1.89 l)
Crankcase Oil Capacity	9 qt (8.52 l)
Flywheel	
Outside Diameters	48" (1219.2 mm)
Weight	1500 lb (681 kg)
Single-plate Clutch Power Takeoff	
Plate Diameter	14" (355.6 mm)
Shaft Diameter x Length	3" x 8-1/2" (76.2 mm x 215.9 mm)
Keyway Width x Depth	3/4" x 3/8" (19.1 mm x 9.5 mm)
Piping Sizes	
Exhaust Pipe Diameter	4" (101.6 mm)
Gas Connection Size	1" (25.4 mm)



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24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM
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AJAX DEPENDABILITY

The Ajax E-565 engine was designed with high-quality standards that our customers expect. The standard waterproof Altronic ignition is gear-driven from the layshaft, and the single-plate clutch power takeoff provides extended service life. The Ajax E-565 lubrication system is mechanically force-fed to the cylinder wall and splashed to the crankshaft, gears and crosshead, reducing the maintenance required and providing lower cost over the life of the engine.

Standard Features

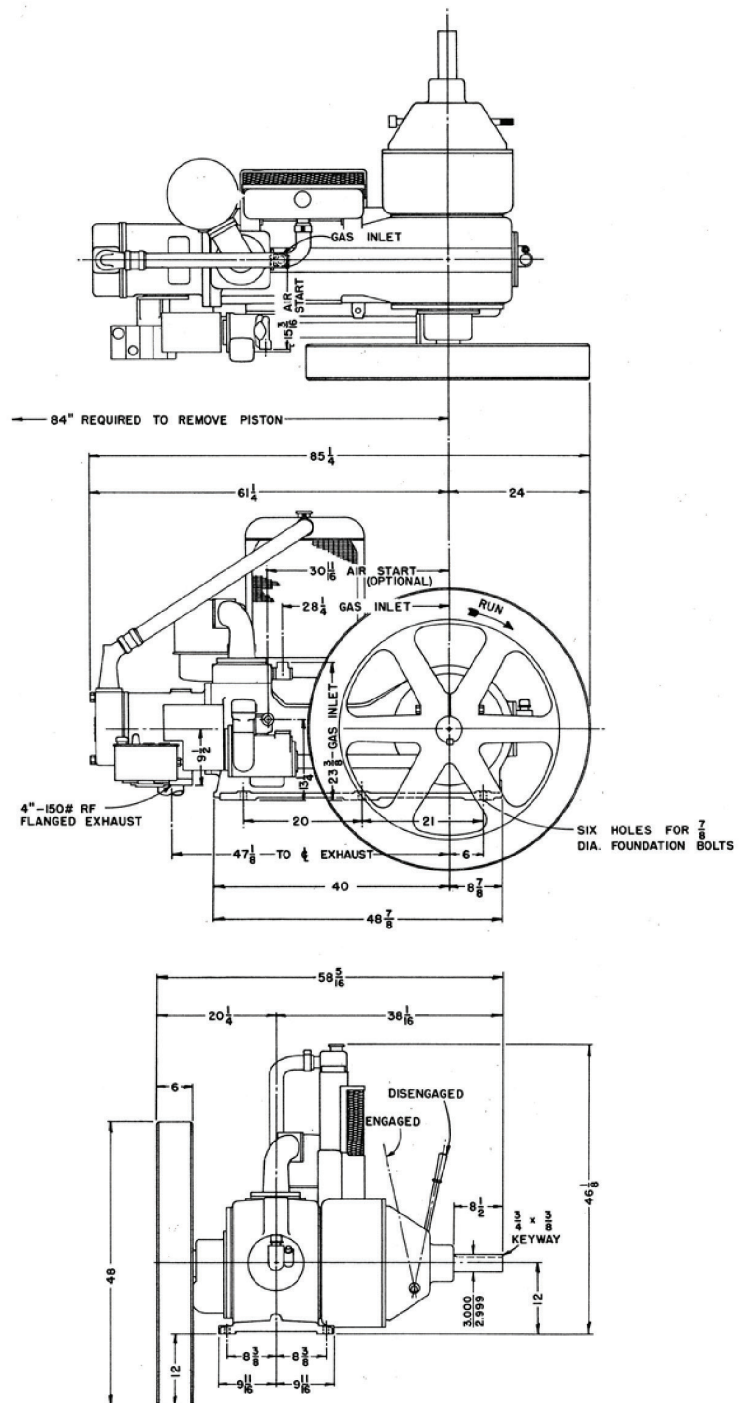
- Altronic Ignition system (waterproof)
- Dry-type air cleaner
- Electric ring gear start, 12 v
- Low-pressure fuel system
- Flywheel guard
- Fuel shut-off valve

Control Panel Features

- Overspeed shutdown (electric)
- Crankcase oil level shutdown
- Jacket water temperature gauge shutdown
- Lubricator oil level shutdown
- Run/stop switch
- Spare input with indication

Optional Features

- Gas injection fuel system (hydraulic)
- Muffler
- Exhaust line
- Shielded ignition
- Air-starting system
- Fuel volume tank, single or double compartment
- Oil day tank with stand, 30 gal (113 l)



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