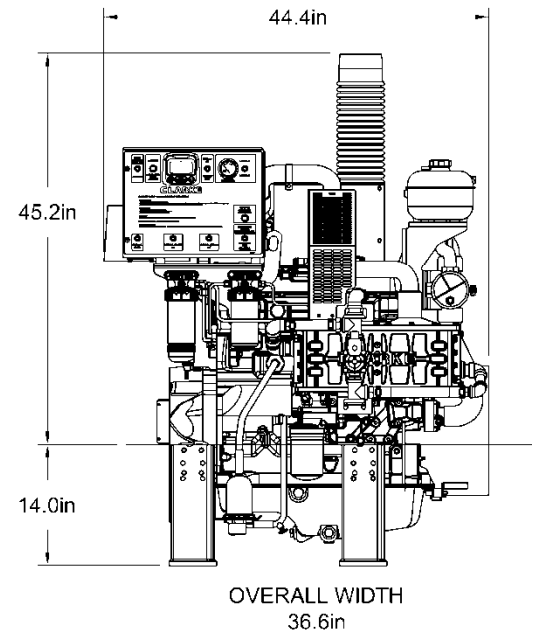


FM-UL-cUL APPROVED RATINGS BHP/KW

| JU4H MODEL | RATED SPEED | | | | | | | | US-EPA (NSPS) Available Until |
|------------|-------------|-----|------|-----|------|-----|------|-----|-------------------------------|
| | 1760 | | 2100 | | 2350 | | 2400 | | |
| UFAD5G | 110 | 82 | 113 | 84 | 118 | 88 | 118 | 88 | No Expiration |
| UFADP0 | 121 | 90 | 125 | 93 | 130 | 97 | 130 | 97 | No Expiration |
| UFADR0 | 113 | 84 | 136 | 101 | 140 | 104 | 140 | 104 | No Expiration |
| UFADW8 | 144 | 107 | | | | | | | No Expiration |
| UFADY8 | 157 | 117 | | | | | | | No Expiration |

● USA EPA (NSPS) Tier 3 Emissions Certified Off-Road (40 CFR Part 89) and NSPS Stationary (40 CFR Part 60 Sub Part III). Meet EU Stage IIIA emission levels.

◆ All Models available for Export



SPECIFICATIONS

| ITEM | JU4H MODELS | | | | |
|----------------------------|--------------------------------------|--------|--------|--------|--------|
| | UFAD5G | UFADP0 | UFADR0 | UFADW8 | UFADY8 |
| Number of Cylinders | 4 | | | | |
| Aspiration | TRWA | | | | |
| Rotation* | CW | | | | |
| Weight – lb (kg) | 1490 (676) | | | | |
| Compression Ratio | 19.0:1 | | | | |
| Displacement – cu. in. (l) | 275 (4.5) | | | | |
| Engine Type | 4 Stroke Cycle – Inline Construction | | | | |
| Bore & Stroke – in. (mm) | 4.19 x 5.00 (106 x 127) | | | | |
| Installation Drawing | D630 | | | | |
| Wiring Diagram AC | C07591 | | | | |
| Wiring Diagram DC | C071367, C071360, C071361 | | | | |
| Engine Series | John Deere 4045 Series Power Tech E | | | | |
| Speed Interpolation | N/A | | | | |

Abbreviations: CW – Clockwise TRWA – Turbocharged with Raw Water Aftercooling N/A Not Available

*Rotation viewed from Heat Exchanger / Front of engine

CERTIFIED POWER RATING

- Each engine is factory tested to verify power and performance.
- FM-UL power ratings are shown at specific speeds, Clarke engines can be applied at these single rated RPM settings with a speed adjustment of ± 50 RPM.

ENGINE RATINGS BASELINES

- Engines are to be used for stationary emergency standby fire pump service only. Engines are to be tested in accordance with NFPA 25.
- Engines are rated at standard SAE conditions of 29.61 in. (752.1 mm) Hg barometer and 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing laboratory (see SAE Standard J 1349).
- A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m)
- A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature.



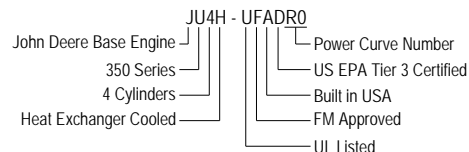
ENGINE EQUIPMENT

| EQUIPMENT | STANDARD | OPTIONAL |
|------------------------------|--|--|
| Air Cleaner | Direct Mounted, Washable, Indoor Service with Drip Shield | Disposable, Drip Proof, Indoor Service Outdoor Type, Single or Two Stage |
| Alternator | 12V-DC, 42 Amps with Poly-Vee Belt and Guard | 24V-DC, 40 Amps with Poly-Vee Belt and Guard |
| Exhaust Protection | Metal Guards on Manifolds and Turbocharger | |
| Coupling | Bare Flywheel | UL Listed Driveshaft and Guard, JU4H-UFAD5G, P0, R0, W8, Y8 - CDS30-S1 |
| Electronic Control Module | 12V-DC, Energized to Stop, Primary ECM always Powered on | 24V-DC, Energized to Stop, Primary ECM always Powered on |
| Exhaust Flex Connection | Stainless Steel Flex, NPT(M) Connection, 4" | Stainless Steel Flex, 150# ANSI Flanged Connection, 5" |
| Flywheel Housing | SAE #3 | |
| Flywheel Power Take Off | 11.5" SAE Industrial Flywheel Connection | |
| Fuel Connections | Fire Resistant, Flexible, USA Coast Guard Approved Supply and Return Lines | Stainless Steel, Braided, cUL Listed, Supply and Return Lines |
| Fuel Filter | Primary Filter with Priming Pump | |
| Fuel Injection System | High Pressure Common Rail | |
| Engine Heater | 120V-AC, 1500 Watt | 240V-AC, 1500 Watt |
| Governor, Speed | Dual Electronic Control Modules | |
| Heat Exchanger | Tube and Shell Type, 60 PSI (4 BAR), NPT(F) Connections - Sea/Salt Water Compatible | |
| Instrument Panel | Multimeter to Display English and Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure and One (1) Voltmeter with Toggle Switch, Front Opening | |
| Junction Box | Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller | |
| Lube Oil Cooler | Engine Water Cooled, Plate Type | |
| Lube Oil Filter | Full Flow with By-Pass Valve | |
| Lube Oil Pump | Gear Driven, Gear Type | |
| Manual Start Control | On Instrument Panel with Control Position Warning Light | |
| Overspeed Control | Electronic, Factory Set, Not Field Adjustable | |
| Raw Water Solenoid Operation | Automatic from Fire Pump Controller and from Engine Instrument Panel | |
| Run - Stop Control | On Instrument Panel with Control Position Warning Light | |
| Starters | Two (2) 12V-DC | Two (2) 24V-DC |
| Throttle Control | Adjustable Speed Control by Increase/Decrease Button, Tamper Proof in Instrument Panel | |
| Water Pump | Centrifugal Type, Poly-Vee Belt Drive with Guard | |

Abbreviations : DC - Direct Current, AC - Alternating Current, SAE - Society of Automotive Engineers, NPT(F) - National Pipe Tapered Thread (Female), NPT(M) - National Pipe Tapered Thread (Male), ANSI - American National Standards Institute

Note : Engine Controller needs two (2) additional signals: Injector Failure, Alternate ECM Selected

MODEL NOMENCLATURE: (10 Digit Models)



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