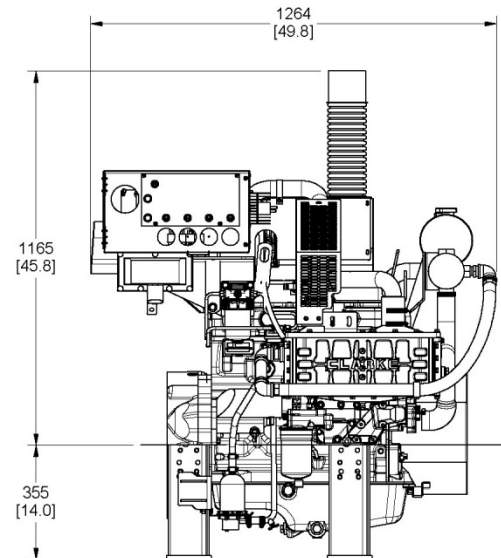


### FM-UL-cUL APPROVED RATINGS BHP/KW

JU4H MODEL ◆	RATED SPEED						US-EPA (NSPS) Available Until ●
	1760		2100		2350		
UFAEA0	37	27.5	42	31	46	34	No Expiration <sup>1</sup>
UFAEE8	64	48					No Expiration <sup>1</sup>
UFAEF2			74	55	74	55	No Expiration <sup>1</sup>
UFADJ8	86	64					No Expiration <sup>2</sup>
UFADJ2			99	74	99	74	No Expiration <sup>2</sup>

⚡ USA EPA (NSPS) Interim Tier 4 <sup>1</sup> or Tier 3 <sup>2</sup> 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 are available for Export



### SPECIFICATIONS

ITEM	JU4H MODELS				
	UFAEA0	UFAEE8	UFAEF2	UFADJ8	UFADJ2
Number of Cylinders	4				
Aspiration	T			TRWA	
Rotation*	CW				
Weight – lb (kg)	935 (424)			985 (474)	
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	D653			D654	
Wiring Diagram AC	C07575				
Wiring Diagram DC	C071612				
Engine Series	John Deere 4045 Series Power Tech M				
Speed Interpolation	N/A				

Abbreviations: CW – Clockwise NA – Naturally Aspirated T – Turbocharged TRWA – Turbocharged with Raw Water Aftercooling

\*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.



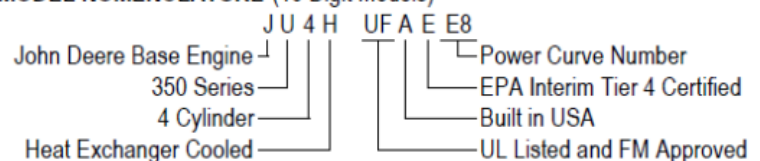
## ENGINE EQUIPMENT

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	Listed Driveshaft and Guard, AEA0 – CDS10-SC; AEE8, AEF2, ADJ8, ADJ2 – CDS20-SC
Exhaust Flex Connection	Stainless Steel Flex, NPT(M) Connection, 3"	Stainless Steel Flex, NPT(M) Connection, 4"
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	Stanadyne Direct Injection	
Engine Heater	115V-AC, 1000 Watt	230V-AC, 1000 Watt
Governor, Speed	Constant Speed, Mechanical	
Heat Exchanger	Tube and Shell Type, 60 PSI (4 BAR), NPT(F) Connections – Sea/Salt Water Compatible	
Instrument Panel	English and Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure and Two (2) Voltmeters	
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 with Reset and Test on Instrument Panel	
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	
Run Solenoid	12V-DC Energized to Run	12V-DC Energized to Stop; 24V-DC Energized to Run; 24V-DC Energized to Stop
Starters	Two (2) 12V-DC	Two (2) 24V-DC
Throttle Control	Adjustable Speed Control, Tamper Proof	
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), NA – Naturally Aspirated, T- Turbocharged, ANSI – American National Standards Institute, TRWA – Turbocharged with Raw Water Aftercooling

MODEL NOMENCLATURE (10 Digit Models)



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