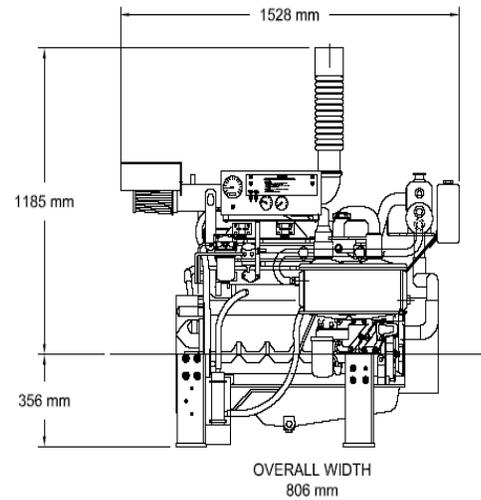


### UK Purchased

### LPCB APPROVED RATINGS KW/BHP

JU4/6H MODEL	RATED SPEED											
	1760		2100		2350		2600		2800		2960	
JU4H-LP20	45	60	50	67	54	72						
JU4H-LP24					54	72	56	75	60	80	62	83
JU4H-LP50	82	110	97	130	95	127						
JU4H-LPL4							92	123	97	130	101	135
JU4H-LP54					91	122	104	139	108	145	108	145
JU6H-LP50	137	183	157	210	157	210						
JU6H-LP54**					157	210	161	216	161	216	161	216
JU6H-LP60	149	200	179	240	179	240						
JU6H-LP84**					181	243	185	247	193	259	205	275

\*\*Note: JU6H-LP54 and JU6H-LP84 engines cannot be applied between 2600 and 2800 RPM.



### SPECIFICATIONS

ITEM	JU4/6H MODELS			
	JU4H-LP20/24	JU4H-LP50/54/L4	JU6H-LP50/54	JU6H-LP60/84
Number of Cylinders	4		6	
Aspiration	NA		T	TRWA
Rotation*	CW			
Weight – kg (lb)	413 (910)	424 (935)	750 (1657)	766 (1693)
Compression Ratio	17.6:1		17.0:1	
Displacement – l (cu. in.)	4.5 (275)		6.8 (414)	
Engine Type	4 Stroke Cycle – Inline Construction			
Bore & Stroke – mm (in.)	106 x 127 (4.19 x 5.00)			
Installation Drawing	UD124		UD125	UD207
Wiring Diagram AC	C07591			
Wiring Diagram DC	U071056			
Engine Series	John Deere 4045 Series		John Deere 6068 Series	

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.
- Although power ratings are shown at specific speeds, Clarke engines can be applied at any intermediate speed. To determine the intermediate speed power; make a linear interpolation from the Clarke power curve. Contact Clarke or your Pump OEM Representative to obtain details.

#### ENGINE RATINGS BASELINES

- Engines are not to be used for continuous duty. Engines are to be used only for stationary emergency standby fire pump service.
- 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.



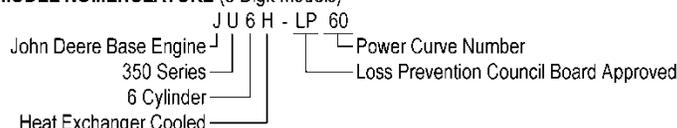
Meets  
LPS 1239  
Requirements

### ENGINE EQUIPMENT

EQUIPMENT	STANDARD	OPTIONAL
Air Cleaner	Direct Mounted, Washable, Indoor Service with Drip Shield	Disposable, Drip Proof, Indoor Service Outdoor Type
Alternator	12V-DC, 42 Amps with Poly-Vee Belt and Guard	24V-DC, 40 Amps with Belt and Guard
Coupling	Bare Flywheel	Centaflex, Model CFA50
Exhaust Protection	Blankets on JU4H-LP20/24; Metal Guards on Manifolds and Turbocharger on JU4H-LP50/54/L4, JU6H-LP50/54/60/84	
Engine Speed Control	Mechanical Type, governing within 5% of rated speed at any load condition	
Exhaust System		Industrial Silencer with two meters straight pipe and one meter straight pipe with 90° elbow and four clamps for connections
Exhaust Flex Connection	Stainless Steel Flexible Bellows; JU4H-LP20/24 – Clamped 3"; JU4H-LP50/54/L4–Clamped 4"; JU6H-LP50/54/60/84 – Clamped 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	
Fuel Filter	Primary Filter with Priming Pump	
Fuel Injection System	Stanadyne Direct Injection	
Fuel Lift Pump	Mechanical	
Fuel Solenoid	12V-DC Energized to Stop	24V-DC Energized to Stop
Engine Heater	JU4H - 230V-AC, 1000 Watt JU6H - 230V-AC, 1360 Watt	
Governor, Speed	Constant Speed, Mechanical	
Heat Exchanger	Tube and Shell Type; 10 BAR (145 PSI), BSP(F) Connections on JU4H-LP20/24/50/54/L4 and JU6H-LP50/54; 5 BAR (72.5 PSI), BSP(F) Connections on JU6H-LP60/84	
Instrument Panel	English and Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure	
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnection to Fire Pump 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	
Raw Water Solenoid Operation	Automatic from Fire Pump Controller	
Run – Stop Control	Energized to Stop (ETS) with Manual Stop Lever	
Spares	Hoses and Clamps for Heat Exchanger, Two (2) Oil Filters, Two (2) Fuel Filters, One (1) Drive Belt, One (1) Head Gasket, One (1) Sump Gasket, Two (2) Injector Nozzles	
Starter Controls	Dual Solenoids	
Starters	One (1) 12V-DC	One (1) 24V-DC
Switches	Low Oil Pressure, Low and High Water Temperature	
Throttle Control	Adjustable Speed Control, Tamper Proof	
Turbo Lubrication Unit	Fitted on JU4H-LP50/54/L4, JU6H-LP50/54/60/84	
Water Pump	Centrifugal Type, Poly-Vee Belt Drive with Guard	

Abbreviations: DC – Direct Current, AC – Alternating Current, SAE – Society of Automotive Engineers, BSP(F) – British Standard Pipe Thread (Female)

#### MODEL NOMENCLATURE (8 Digit Models)



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