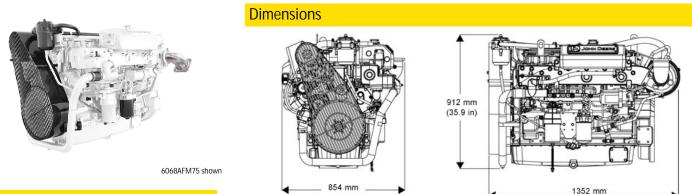
PowerTech [™] 6068AFM75 Diesel Engine



(53.2 in)

Marine Generator Drive Engine Specifications



(33.6 in)

Certifications

EPA Commercial Marine Tier 2 IMO MARPOL Annex VI Compliant

General data

Contor al data				
Model	6068AFM75	Length - mm (in)	1352 (53.2)	
Number of cylinders	6	Width - mm (in)	854 (33.6)	
Displacement - L (cu in)	6.8 (415)	Height, Centerline to Top mm. (in)	646 (25.4)	
Bore and Stroke mm (in)	107 x 127 (4.21 x 5.00)	Height, Centerline to Bottom mm. (in)	266 (10.5)	
Compression Ratio	16.7 : 1	Weight, dry kg (lb)	812 (1790)	
Engine Type	In-line, 4-Cycle	Maximum Installed Angle	Front Up – degrees	12
Aspiration	Turbocharged and air-to-coolant aftercooled		Front Down – degrees	0

Features and benefits

High Pressure Common Rail Fuel System

- Higher (33%) injection pressures, up to 1600 bar (23,000 psi)
- Variable injection pressure and timing control

John Deere Electronic Control Systems

- Built in controls eliminates the need for costly add on engine warning systems and associated components
- Service diagnostics and error codes automatically stored for later retrieval & ease of diagnostics
- Built in engine synchronization feature

Watercooled Turbocharger and Exhaust Manifold

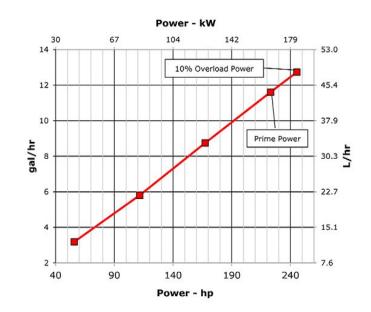
- Cooler and quieter environment for vessel and crew
- Reduced external connections eliminates hoses and fittings that can leak or break

Replaceable Wet-type Cylinder Liners

- Hardened and precision machined for long life
- Rebuild to original specifications

Heat Exchanger or Keel Cooled

- High-capacity heat exchanger designed for reliable operation in adverse conditions
- Keel cooled option provides application flexibility



System data	1800 rpm	1500 rpm			
Air system					
Engine air flow - m 3 /min (ft 3 /min)	15.4 (543.8)	10.5 (370.8)			
Exhaust system					
Dry - mm (in)	101.6 (4.0)	101.6 (4.0)			
Wet - mm (in)	127.0 (5.0)	127.0 (5.0)			
Cooling system					
Coolant flow - L/min (gal/min)	240 (63.4)	189 (49.9)			
Sea water system					
Pump flow - L/min (gal/min)					
Fuel system					
Governor type	electronic	electronic			
Governor regulation - %					
Total fuel flow - L/hr (gal/hr)	162 (42.8)	162 (42.8)			

Performance data	1800 rpm	1500 rpm	
10% overload engine Power - kW (hp)	183 (245.4)	153 (205.2)	
Prime engine power - kW (hp)	166 (222.6)	139 (186.4)	
Low idle speed - rpm			
BMEP - kPa (psi)	NA	NA	

Performance data								
Hz (rpm)	Generator efficiency %	Keel cooled		Power factor	Calculated gen-set rating			
		(no	o fan)		kW	kVA		
50 (1500) 60 (1800)	88-92 88-92			0.8 0.8	122-129 146-153	153-161 183-191		

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John Deere Power Systems Usine de Saran La Foulonnerie - B.P. 11.13 45401 Fleury les Aubrais Cedex France Phone: 33.2.38.82.61.19 Fax: 33.2.38.82.60.00 All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.