



JOHN DEERE

Figure 1

6068 SPM Controller

Results **Discussion**

[illegible]



1.2 0/000

PERFORMANCE DATA

	3000	3400	3600	3800
Rated Gross Power - hp (kW)	2300 (169)	2440 (178)	278 (203)	2950 (218)
Rated Speed - rpm	2400	2500	2700	2800
Low Idle Speed - rpm	600	600	700	700
Peak Torque - ft-lb (Nm)	375 (508)	400 (540)	437 (593)	460 (625)
Peak Torque Speed - rpm	1200	1200	1200	1200
Peak Consumption - gph (L/h)				
2400	73.4 (27.7)			
2500	87.2 (32.4)	89.0 (32.4)		
2600	89.0 (32.4)	98.0 (36.7)	97.0 (35.8)	
2700	94.0 (34.8)	98.0 (36.7)	94.0 (34.8)	114.0 (42.9)
2800	97.0 (35.8)	98.0 (36.7)	94.0 (34.8)	97.0 (35.8)
3000	97.0 (35.8)	97.0 (35.8)	94.0 (34.8)	97.0 (35.8)
3200		97.0 (35.8)	94.0 (34.8)	97.0 (35.8)

W1 PERFORMANCE CURVE



W2 PERFORMANCE CURVE



W3 PERFORMANCE CURVE



W4 PERFORMANCE CURVE



PERFORMANCE CURVE DEFINITIONS

Definition W1

For population applications that may operate up to 10 hours a day at continuous full power. These applications typically operate over 1,000 hours/year. W1 using a 1/4 HP (1000) "standard power" rating and the 1/2 (500) "limited power" rating.

Definition W2

For population applications that may utilize full power up to 10 hours a day at 1/2 hour of operation. These applications typically operate at full power up to 10 percent of the day and no more than 1,000 hours/year.

Definition W3

For population applications that may utilize full power no more than 1 hour of each 10 hours of operation. These applications typically operate at full power up to 10 percent of the day and no more than 1,000 hours/year.

Definition W4

For population applications that may utilize full power up to 1 hour of each 10 hours of operation. These applications typically operate at full power up to 10 percent of the day and no more than 1,000 hours/year.

Abstract

Figure 6



Figure 1

Model	Series 20 50
Number of Cylinders	4
Displacement - Ltr., in. 3	2.4 147.0
Bore and Stroke - in., mm.	4.00 x 5.00 100 x 125
Valvetrain	Pushrod-valve
Engine Type	In-Line, 4-Cyl.
Compression Ratio	27.5:1
Valvetrain Cylinders - Intake/Exhaust	1/1
Timing - In. In.	1.75 44.28
Combustion System	2-Valve Injection
Length - in., mm.	74.75 1900
Width - in., mm.	50.0 1270
Height - in., mm.	50.0 1270
Weight, dry - lb., kg.	1,000 450
Maximum Available Torque	
Power Type - hp., kw.	25
Power Revs./Min.	

[illegible]

Recommended Screenings (page 20) at 10:00 a.m. on May 11	
• 10:00 a.m. – 11:00 a.m.	100
• 11:00 a.m. – 12:00 p.m.	100

Alt System	1,000 ops	5,000 ops
Baseline for 1000 ops (1000000)	1000000	1000000

Network System 100 pages 1000 gms
The Volume Price Guide 1000 pp 1000 gms

Feeding System	1980-1989	1990-1999
Flotation, Recirculation, Pond	76/20	100/0

Base Vector Number:	L2000eq	L2000 eqn
NewClass Group End-By(GBF).....	1.1 GB.....1.1 GB	
NewClass Group Minus-Of(GBF).....	1.1 GB.....1.1 GB	

Real System	Library	Model
Concrete Type	Abstract	Abstract

Post-Completion—page 1246 93 000 000 000 000

Indefinite-term license 1 000 000 000 000 000

Send Request/RSI Inquiry to: _____
 to: _____
 Return Card to: _____

Abstract

	LowPower	HighPower
ReadPower by 100%	13.1 (2.0)	31.1 (2.0)
Read 50% Speed	2.00	2.00
Read 25% Speed	0.66 (0.04)	2.00 (0.04)

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1995-1996	1.0000	1.0000
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Engine Performance Curves

Rating: 181

Application: Marine

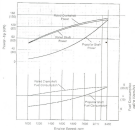
Series: 200

Model: 600000

100 hp @ 2400 rpm

114 hp @ 2400 rpm

Power/Weight Ratio: 27.0 hp/lb (12.3 kg)



Engine Rating: 181 hp (133 kW)

Engine Rating: 181 hp (133 kW)

100 hp (74.6 kW) at 2400 rpm

114 hp (83.5 kW) at 2400 rpm

Power/Weight Ratio: 27.0 hp/lb (12.3 kg)

Power/Weight Ratio: 27.0 hp/lb (12.3 kg)

Engine Rating:

Cummins
181 hp (133 kW)

100 hp (74.6 kW)

114 hp (83.5 kW)

Power/Weight Ratio: 27.0 hp/lb (12.3 kg)

Power/Weight Ratio: 27.0 hp/lb (12.3 kg)

Performance curves are based on test results and are subject to change without notice.



Engine Performance Curves

Rating: 100

Application: Marine

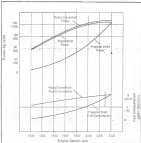
Series: 200

Model: 6048T018

175hp @ 2400 rpm

120kW @ 2400 rpm

Approved for use on
a 1500-hour engine



Driveline Reduction - 20% (C/D) 10%

Exhaust Back Pressure - 20" (C/D) 7.5" (M)

Maximum engine speed - 2400 rpm (C/D) 2400 rpm (M)

Rated rpm:

Core temperature

20% (C/D) 10% (M)

20% (C/D) 10% (M)

20% (C/D) 10% (M)

20% (C/D) 10% (M)

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20% (C/D) 10% (M)



Engine Performance Chart

Model: 100

Application: Motor

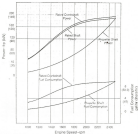
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