

## SPECIFICATIONS

	5075M	5090M, 5100M, 5115M
<b>ENGINE</b>		
Manufacturer	John Deere PowerTech™ E	John Deere PowerTech™ E
No of. Cylinders /aspiration T=Turbo C= Intercooler	3/TC	4/TC
Displacement (cm³)	2,900	4,500
Valves per cylinder	2	4
Fuel tank capacity (l)	178 (OOS), 197 (Cab)	143 (OOS), 165 (Cab)
DEF tank capacity (l)	–	12
Biofuel capabilities	Yes	Yes
Cooling method	Water	Water
Emissions level	Stage V	Stage V
Service intervals (hours)	500	500
<b>PERFORMANCE</b>		
Max Power (97/68 EC), kW (PS)	55 (75)	69 (94), 77 (104), 88 (120)
Rated Power (97/68 EC), kW (PS)	55 (75)	66.6 (90) / 74 (100) / 85 (115)
Rated Speed (rpm)	2,200	2,200
Max. torque (Nm)	304	376 / 418 / 480
Max. torque @ engine speed (rpm)	1,600	1,600
Torque reverse in %	27	30
<b>TRANSMISSION</b>		
Std. transmission	16F / 16R or 32F / 16R PowrReverser™	16F / 16R or 32F / 16R PowrReverser™
Clutch	Wet clutch	Wet clutch
Max. transport speed (km/h)	40	40
Brakes type	Hydraulic Wet Disc	Hydraulic Wet Disc
Differential lock	Electro-hydraulically operated	Electro-hydraulically operated
<b>PTO</b>		
Clutch	Electro-hydraulic	Electro-hydraulic
Standard	540 / 540E or 540 / 540E / 1000	540 / 540E or 540 / 540E / 1000
<b>HYDRAULICS</b>		
System type	Open Center	Open Center
SCV control	Lever	Lever
Pump rated output		
steering (l/min)	24	24
standard (l/min)	70	70
Total (l/min)	94	94
Hydraulic pressure (bar)	200	200
Hitch lift capacity max. 610 behind.	3,062 kg	3,062 kg
Hitch lift capacity max.	4,441 kg at balls	4,441 kg at balls
Sensing type	Top link	Top link
SCV		
SCV rear (max)	3	3
SCV mid	2	2

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<b>OPERATOR STATION</b>		
Model availability (i=isolated)	Cab	Cab
Roll over protective structure oos	-	Yes
Platform – Flat/Straddel	-	Flat
Gearshift location	Left hand reverser with right hand gear shift	Left hand reverser with right hand gear shift
dB(A) rating	77	77
Seat suspension system	Mechanical or air suspension (option heater)	Mechanical or air suspension (option heater)
Worklight		
Front/rear	2 front/2 rear (4 front/4 rear optional)	2 front/2 rear (4 front/4 rear optional)
Beacon light	Optional	Optional
Rear wheel weights	Optional	Optional
One-piece hood	Yes	Yes
<b>DIMENSIONS &amp; WEIGHTS</b>		
2WD availability	Yes	Only 5090M
4WD availability	Yes	Yes
<b>2WD</b>		
Wheelbase (mm)	2,350	2,350
front tread setting (mm)	1,488-2,070	1,488-2,070
Rear tread setting (mm)	1,660-1,907	1,660-1,907
Turning radius (m)	3.85	3.85
Min. overall width (mm)	1,725	1,725
Ground clearance front (mm)	480	480
Total height (mm)	2,590	2,590
Total height with folded roll-over frame (mm)	2,030	2,030
Shipping weight (kg)	3,700 (OOS), 3,900 (Cab)	3,700 (OOS), 3,900 (Cab)
Max. permissible weight (kg)	6,000	6,000
Tyres		
front	11L-15 F3	11L-15 F3
rear	420/85R30	420/85R30
<b>4WD</b>		
Wheelbase (mm)	2,350	2,350
Front tread setting (mm)	1,451-2,005	1,451-2,005
Rear tread setting (mm)	1,660-1,907	1,660-1,907
Turning radius without brakes (m)	4.1	4.1
Min. overall width (mm)	1,723	1,723
Ground clearance front (mm)	435	435
Total height (mm)	2,590	2,590
Total height with folded roll-over frame (mm)	-	2,030
Shipping weight (kg)	4,175 (Cab)	3,975 (OOS), 4,175 (Cab)
Max. permissible weight (kg)	7,500	7,500
Tyres		
front	320/85R24	320/85R24
rear	420/85R30	420/85R30

## LOADER SPECIFICATIONS

5M				5075/5090/5100/5115M				
LOADER MODEL				543M		603M		
LEVELING SYSTEM				MSL		MSL		
Front tyre				575/13.6R24				
Rear tyre				750/16.9R34				
Wheelbase		(WB)	in / mm	92.5 / 2,350				
Pump capacity			gpm / lpm	19 / 70				
Rated pressure			psi / BAR	2,900 / 200				
LOADER								
Bucket				1,850 Standard Bucket				
Bucket weight			lb / kg	475	216	475	216	
Lift capacity @ full height	Measured @ pivot		(U)	lb / kg	3,025	1,372	3,309	1,501
	Measured @ 800 mm ahead of pivot		(V)	lb / kg	3,199	1,451	3,600	1,633
Lift capacity @ 59 in (1.5 m) lift height	Measured @ pivot		(W)	lb / kg	3,327	1,509	3,732	1,693
	Measured @ 800 mm ahead of pivot		(X)	lb / kg	3,172	1,439	3,571	1,620
Boom breakout	Measured @ pivot		(Y)	lb / kg	3,799	1,723	4,248	1,927
	Measured @ 800 mm ahead of pivot		(Z)	lb / kg	3,219	1,460	3,726	1,690
Bucket rollback force	@ Maximum height		(VV)	lb / kg	3,448	1,564	3,823	1,734
	@ 59 in (1.5 m) Lift height		(XX)	lb / kg	6,038	2,739	6,400	2,903
	@ Ground level		(ZZ)	lb / kg	6,023	2,732	6,563	2,977
Maximum lift height			(A)	in / mm	145	3,680	148	3,753
Clearance	@ Full height – bucket level		(B)	in / mm	135	3,417	137	3,490
	@ Full height – bucket dumped		(C)	in / mm	104	2,647	107	2,722
Overall length		(WB+F)	in / mm	187	4,739	200	5,070	
Digging depth			(H)	in / mm	-3	-75	-9	-235
Reach	@ Maximum height		(D)	in / mm	26	651	39	995
	@ Ground – bucket level		(F)	in / mm	98	2,489	109	2,770
Bucket angles	Dump angle @ full height		(E)	degrees	-60		-60	
	Rollback @ ground		(G)	degrees	48		49	
	Dump angle @ ground			degrees	-98		-98	
Cycle times @ 2,200 rpm	Loader raise			sec	6.0		3.8	
	Loader lower			sec	4.4		2.5	
	Bucket dump			sec	6.0		3.5	
	Bucket rollback			sec	7.5		4.2	

Actual specs may vary depending on tractor and loader equipment and configuration.



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5075/5090/5100/5115M

		543R				603R			
		NSL		MSL		NSL		MSL	
				575/13.6R24					
				750/16.9R34					
(WB)				92.5 / 2,350					
				19 / 70					
				2,900 / 200					
1,850 Heavy Duty									
		600	272	600	272	600	272	600	272
(U)		4,542	2,060	3,739	1,696	4,780	2,168	3,957	1,795
(V)		2,943	1,335	3,774	1,712	3,238	1,489	3,986	1,808
(W)		4,872	2,210	4,597	2,085	5,265	2,388	4,879	2,213
(X)		3,642	1,652	4,284	1,943	4,039	1,832	4,579	2,077
(Y)		4,248	1,927	4,248	1,927	4,248	1,927	4,248	1,927
(Z)		3,560	1,615	4,616	2,094	4,180	1,896	4,960	2,250
(VV)		3,635	1,649	3,750	1,701	5,139	2,331	5,287	2,398
(XX)		5,977	2,711	6,021	2,731	8,913	4,043	8,510	3,860
(ZZ)		5,655	2,565	5,668	2,571	9,237	4,190	8,466	3,840
(A)		145	3,680	145	3,681	148	3,760	148	3,762
(B)		135	3,440	136	3,442	139	3,520	139	3,522
(C)		105	2,676	105	2,678	108	2,750	108	2,751
(WB+F)		183	4,651	183	4,650	196	4,988	196	4,988
(H)		-4	-104	-4	-101	-9	-228	-9	-227
(D)		31	798	31	795	42	1,070	42	1,069
(F)		93	2,351	93	2,350	106	2,688	106	2,688
(E)		-58		-58		-58		-54	
(G)		47		47		47		52	
		-151		-100		-100		-99	
		4.4		4.0		4.0		4.7	
		3.3		2.9		2.9		3.5	
		3.3		2.2		2.2		3.0	
		2.2		2.2		2.2		3.0	

