

D A E W O O W H E E L L O A D E R

MEGA-III Series

200-III / 250-III / 300-III / 400-III *Plus*

Technical Data



DAEWOO
DAEWOO HEAVY INDUSTRIES LTD.



Courtesy of MachineMarket

Technical Data



Engine

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Maker	Daewoo			
Model	DB58T	D1146T	D2366T	DE12TI (INTERCOOLER)
Type	4 Cycle Diesel			
Power ratings	128PS, 126HP, 94kw / 2,200rpm	173PS, 170HP, 125kw / 2,200rpm	208PS, 205HP, 153kw / 2,200rpm	260PS, 257HP, 191kw / 2,100rpm
No. of cylinders	6			
Bore	102mm(4.01")	111mm(4.37")	123mm(4.84")	
Stroke	118mm(4.64")	139mm(5.47")	155mm(3.94")	
Displacement	5,785cc(353cu·in)	8,071cc(489cu·in)	11,051cc(674cu·in)	
Fuel injection	Direct			
Cooling system	Dual circuit, thermostatically, controlled liquid cooling			
Electrical system	24 Volts			
Batteries	2 × 12V, 200 AH			
Three phase alternator	50A			
Air cleaner	Dry type			
Pre-cleaner	Turbo type			



Hydraulic System

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus																																																																									
Type	1. Triple tandem gear pump	1. Triple tandem gear pump	1. Triple tandem vane pump	1. Single vane pump 2. Double tandem vane pump																																																																									
Hydraulic operating pressure	Stage 1 (dual pumps)	160 bar(2,320 psi)																																																																											
	Stage 2 (single pumps)	195 bar(2,828 psi)	200 bar(2,900 psi)	195 bar(2,828 psi) 200 bar(2,900 psi)																																																																									
	Steering relief pressure	175 bar(2,538 psi)	185 bar(2,683 psi)																																																																										
Hydraulic operating flow	Stage 1	201 ℓ / min (53.2 gpm)	309 ℓ / min (81.8 gpm)	328 ℓ / min (86.8 gpm) 440 ℓ / min (116.5 gpm)																																																																									
	Stage 2	104 ℓ / min (27.4 gpm)	167 ℓ / min (44.1 gpm)	180 ℓ / min (47.6 gpm) 220 ℓ / min (58.2 gpm)																																																																									
Control valves	2 - spool type control valve standard																																																																												
Hydraulic cylinder	<table border="1"> <thead> <tr> <th></th> <th colspan="3">MEGA 200-III</th> <th colspan="3">MEGA 250-III</th> <th colspan="3">MEGA 300-III</th> <th colspan="3">MEGA 400-IIIPlus</th> </tr> <tr> <th></th> <th>Boom</th> <th>Bucket</th> <th>Steering</th> <th>Boom</th> <th>Bucket</th> <th>Steering</th> <th>Boom</th> <th>Bucket</th> <th>Steering</th> <th>Boom</th> <th>Bucket</th> <th>Steering</th> </tr> </thead> <tbody> <tr> <td>Number of Cylinders</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Bore</td> <td>120mm(4.7")</td> <td>140mm(5.5")</td> <td>70mm(2.7")</td> <td>140mm(5.5")</td> <td>160mm(6.2")</td> <td>70mm(2.7")</td> <td>150mm(5.9")</td> <td>140mm(5.5")</td> <td>80mm(3.1")</td> <td>180mm(7.1")</td> <td>160mm(6.3")</td> <td>90mm(3.5")</td> </tr> <tr> <td>Stroke</td> <td>717mm(28.2")</td> <td>490mm(19.3")</td> <td>370mm(14.5")</td> <td>770mm(30.3")</td> <td>500mm(19.7")</td> <td>430mm(16.9")</td> <td>795mm(31.3")</td> <td>475mm(18.7")</td> <td>450mm(17.7")</td> <td>835mm(32.8")</td> <td>600mm(19.7")</td> <td>450mm(17.7")</td> </tr> </tbody> </table>													MEGA 200-III			MEGA 250-III			MEGA 300-III			MEGA 400-IIIPlus				Boom	Bucket	Steering	Boom	Bucket	Steering	Boom	Bucket	Steering	Boom	Bucket	Steering	Number of Cylinders	2	1	2	2	1	2	2	2	2	2	2	2	Bore	120mm(4.7")	140mm(5.5")	70mm(2.7")	140mm(5.5")	160mm(6.2")	70mm(2.7")	150mm(5.9")	140mm(5.5")	80mm(3.1")	180mm(7.1")	160mm(6.3")	90mm(3.5")	Stroke	717mm(28.2")	490mm(19.3")	370mm(14.5")	770mm(30.3")	500mm(19.7")	430mm(16.9")	795mm(31.3")	475mm(18.7")	450mm(17.7")	835mm(32.8")	600mm(19.7")	450mm(17.7")
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Hydraulic cycle time (rated load bucket)	Total	9.8s		9.8s		10.4s			10.8s																																																																				
	Raise	5.2s		5.1s		5.6s			6.2s																																																																				
	Dump	1.3s																																																																											
	Lower(empty)	3.3s		3.4s		3.5s			3.3s																																																																				



MEGA 200-III / 250-III / 300-III / 400-III PLUS



Axles

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Drive	Four wheel drive with planetary reduction gears in each wheel hub			
Differentials in front and rear axle	Torque proportional(std.) / Limited slip(opt.)			
Front axle	Rigid			
Rear axle	26° total oscillation	30° total oscillation		



Steering

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Type	Centre pivot frame articulation, load - sensing orbitrol type steering control, full - hydraulic, power steering with priority valve			
Steering angle	40°			
Turning radius(bucket corner)	5,610mm(18'5")	5,945mm(19'6")	6,383mm(20'11")	6,880mm(22'7")



Transmission

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus					
Type	3 - element, single - stage, single - phase torque converter. Countershaft-gear type, electrically controlled transmission.								
	Full power-shift			Full Auto power-shift					
Stall ratio	2.944	2.86	2.88	2.985					
Travel speed (Forward / Reverse)	Travel Speed	Forward	Reverse	Forward	Reverse	Forward	Reverse	Forward	Reverse
	1st km/h (mile/h)	7.3(4.5)	7.3(4.5)	7.2(4.4)	7.2(4.4)	6.8 (4.2)	6.8 (4.2)	8.0(4.9)	8.0(4.9)
	2nd km/h (mile/h)	12.6(7.8)	12.6(7.8)	12.7(7.9)	12.7(7.9)	12.0 (7.4)	12.0 (7.4)	13.3 (8.2)	13.3 (8.2)
	3rd km/h (mile/h)	22.9(14.2)	22.9(14.2)	24.6(15.2)	24.6(15.2)	24.0 (14.9)	24.0 (14.9)	28.2 (17.5)	28.2 (17.5)
	4th km/h (mile/h)	36.0(22.3)	-	37.0(22.9)	-	38.3 (23.7)	-	37 (22.8)	-



Brakes

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Service	Full hydraulic, wet, multidisc, 4 - wheel brakes, separate front and rear circuit			
Parking	Dry disc type, oil released, spring applied on front axle pinion shaft			



Technical Data



Tire

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Front and rear	17.5 - 25 - 12PR(L-2) (Opt. 20.5-25)	20.5 - 25 - 16PR(L-3)	23.5 - 25 - 16PR(L-3)	26.5 - 25 - 20PR(L-3)
Rims	14.0 x25	17.0 x25	19.5 x25	22.0 x25



Service Refill Capacities

	MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
Fuel tank	250 ℓ (66US gal)	270 ℓ (71.3US gal)	300 ℓ (79.2US gal)	350 ℓ (92.5US gal)
Cooling system	50 ℓ (13.2US gal)			60 ℓ (15.8US gal)
Engine oil	21 ℓ (5.5US gal)		25 ℓ (6.6US gal)	
Transmission	30 ℓ (7.9US gal)	28 ℓ (7.4US gal)		35 ℓ (9.2US gal)
Front axle	19.2 ℓ (5.1US gal)	39 ℓ (9.8US gal)	57 ℓ (15.0US gal)	63 ℓ (16.6US gal)
Rear axle	18.4 ℓ (4.8 US gal)	37 ℓ (10.3US gal)	42 ℓ (11.1US gal)	52 ℓ (13.7US gal)
Hydraulic system	130 ℓ (34.3US gal)	200 ℓ (52.9US gal)		280 ℓ (74.0US gal)



Standard Equipment

MEGA 200-III	MEGA 250-III	MEGA 300-III	MEGA 400-IIIPlus
<ul style="list-style-type: none"> • Car stereo(AM / FM) • 2 Road lights with high / low beams • 2 Front directional indicators • 2 Combination : tail light, stop light and directional indicators • 2 Front and rear working lights • Hourmeter, speedometer and tachometer • Electronic display / monitoring system • Transmission shifting pressure gauge • Engine coolant temp. gauge • Torque converter oil temp. gauge • Fuel level indicator • Horn • Neutral safety start system 			<ul style="list-style-type: none"> • Fully adjustable suspension seat and seat belt • Rops cab with window washer and wipers and rear view mirrors • Sunvisor, sliding door windows • Arm Rest & Wrist Rest • Front and rear fenders • Rear frame side covers • Heater and defroster • Air conditioner • Wheel chocks • Pull hitch • Automatic electro-magnetic return to dig • Boom kick - out, float kick - out

