

# DGM Machinery Co.



- Agriculture, construction, material handling  
civil engineering works and road construction
- Operating weight: 2000kg
- Power: 15kW

**DGM**

Power, Performance  
and Reliability

# DGM ET20

Crawler Excavator



## Optional attachments



Engine		Travel System	
Model	PERKINS-403D-11	Travel motors	Eaton
Type	Direct injection, water cooled, natural intake	Support roller quantities	2x3
		Carrier roller quantities	No
No. of cylinder	3	Travel shoes	No
Bore and stroke	77x81(mm)	Travel speed	2.2/4.2(km/h)
Displacement	1.131L	Drawbar pulling force	11.7kN
Power output	14.7kw/2200rpm	Gradeability	58%(30°)
Max. torque	65N.m/2000rpm	Track shoes thickness	5mm
Hydraulic System		Cab & Electrical System	
Pump	CASAPPA, Italy	Cab	All-weather, sound-suppressed Cab and equipped with a heavy, insulated Floor Mat · Front Window can be opened and slided; adjustable Seat
Type	Axial-piston pump+gear pump		
Max. discharge flow	2x20.7+15.1(L/min)		
<b>Max. discharge pressure</b>			
Boom, arm and bucket	21 MPa	Voltage	12V
Travel circuit	12 MPa	Batteries	1X12V
Swing circuit	9 MPa	Battery capacity	60Ah
Control circuit	3.9 MPa	Boom, Arm & Bucket	
Pilot control pump	Gear type	Boom cylinder	Φ60xΦ35xS440-L770
Main control valves	Hydro Control, Italy	Arm cylinder	Φ60xΦ35xS330-L600
Oil cooler	Air cooled type	Bucket cylinder	Φ55xΦ30xS300-L560
Swing System		Refilling Capacity & lubrication	
Swing motor	Eaton	Fuel tank	32L
Swing motor type	Axial-piston motor	Cooling system	8L
Brake	No	Engine oil	4.4L
Swing speed	8.8 r/min	Hydraulic oil tank	18L Tank Oil Level 21L Hydraulic System
Bucket			
Type	Backhoe bucket		
Bucket capacity	0.04m <sup>3</sup> (SAE)		
Bucket Capacity scope	0.028-0.095m <sup>3</sup>		
Number of bucket teeth	4		
Bucket width	450 mm		

Working ranges			
<b>Boom length</b>		2211mm	
A Max. digging height			3741mm
B Max. dumping height			2776mm
C Max. digging depth			2717mm
D Max. vertical digging depth			2611mm
E Max. digging distance			4494mm
F Max. digging radius at ground level			4448mm
<b>Digging Force (ISO6015)</b>		1160mm	
<b>Arm length</b>		1160mm	
A Bucket digging force			12.7 KN
B Arm digging force			9.6 KN
Overall Dimensions			
A Overall length	4231mm	G Tail swing radius	1072mm
B Overall width	1000mm	H Track grounding length	1210mm
C Overall height(to top of boom)	1340mm	I Track length	1588mm
D Overall height(to top of cab)	2313mm	J Track gauge(extension 1090mm)	760mm
E Counter weight ground clearance	484mm	K Track Shoe width	230mm
F Min. Ground clearance	175mm	L Revolving frame width	1000mm
Operating Weight and Ground Pressure			
Operating weight includes basic machine			
Operating weight			2000 Kg
Ground pressure			28 KPa

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