

MCM CL50 COMPACT LOADER

Powered by
YANMAR

Engine name	Unit	4TNV94L						
Engine specification class	-	CL	VM					
Type	-	Vertical, in-line, 4-cylinder, water-cooled diesel engine						
Combustion chamber	-	Direct injection						
Number of cylinders	-	4						
Cylinder borexstroke	mmxmm	94x110						
Displacement	L	3.053						
Continuous rating	Revolving speed	Min ⁻¹	1500	1800	-			
	Output	kW (hp)	26.1 (35.5)	31.3 (42.5)	-			
Rated output	Revolving speed	Min ⁻¹	1500	1800	2000	2200	2400	2500
	Output	kW (hp)	29.1 (39.5)	34.6 (47.0)	35.3 (48.0)	38.2 (52.0)	41.6 (56.5)	43.0 (58.5)
Max. no-load speed (±25)	min ⁻¹	1600	1895	2180	2400	2590	2700	
Ignition order	-	1-3-4-2-1 (No.1 cylinder on flywheel side)						
Power take off	-	Flywheel						
Direction of rotation	-	Counterclockwise (viewed from flywheel)						
Cooling system	-	Radiator						
Lubrication system	-	Forced lubrication with trochoid pump						
Starting system	-	Electric						
Applicable fuel	-	Diesel oil-ISO 8217 DMA, BS 2869 A1 or A2 (Cetane No.45 min.)						
Applicable lubricant	-	API grade class CD or CF						
Lubricant capacity (oil pan) *	Total	L	10.2					
	Effective	L	4.5					
Coolant water capacity (engine only)	L	4.2						
Engine dimensions ** (with flywheel housing)	Overall length	mm	719					
	Overall width	mm	498					
	Overall height	mm	717					
Engine mass (dry) ** (with flywheel housing)	kg	245 (equivalent to SAE#3)	235 (equivalent to SAE#4)					
Cooling fan (std.)	mm	410 mm O/D, 6 blades pusher type						
Crankshaft V pulley diameter & Fun V pulley diameter (std.)	mm	130x130						

* Engine oil capacity may differ from the above depending on an engine installed on a machine unit.

** Engine mass and dimensions without radiator