



# MCM SM420

## Technical Specifications

### ■ Engine

Model	Lifan LF190F V-Twin (EPA Certified)
Type	4-Stroke OHV Single Cylinder
Displacement	430cc
Net Peak Power	11.1 kW (15HP) @ 3600 rpm
Bore x Stroke	90mm x 66mm

### ■ Cutting Capacity

Log Diameter	mm	790
Slab Width (Width of Cut)	mm	750
Max. Cutting Thickness	mm	178
Max. Cutting Length	mm	5000
Max. Cutting Height	mm	1730
Max. Blade Speed	m/minute	17
Max. Safe Cutting Speed	sec/m	13-15

### ■ Blade Specifications

Blade Length	mm	3960
Blade Width	mm	34
Blade Thickness	mm	0.9
Blade Wheel Diameter	mm	480
Blade Tooth Spacing	mm	22
Blade Hook Angle	mm	0.6
Blade Tensioner	Manual	

### ■ Deck & Trailer Specifications

Deck Length	mm	5965
Deck Width	mm	103.5
Ground Clearance of Deck	mm	320
Ground Clearance of Axle	mm	2400
Trailer Tyres	165/70R13 Radial RP28	
Qty. of Trailer Stabilizers	8	
Stabilizer Height Adjustment	mm	0-270

### ■ Log Winch

Winch Type	Manual	
Winch Rope Length	mm	6000
Winch Capacity	kg	540

### ■ Key Features

- Automatic & Adjustable Blade Lubrication System.
- Adjustable Blade Guide.
- Quick Locking Blade Height.
- 2 Adjustable Blade Belt Brushes to clean belts.
- 2 Log Ramps for lifting logs using the winch.
- 4 Movable Log Supports extendable in height up to 290mm.
- 3 Movable Manually Adjustable Log Dogs.
- 8 Trailer Stabilizers.
- Fast & Complete Service Access Doors to Blade & Blade Wheels.
- Tool-Less T-Bar Blade Tightening.
- Convenient Engine Hand-Throttle.
- Emergency Quick-Stop Button.
- Trailer Ball Hook for Easy Towing.



### ■ Engine

The Lifan 420cc engine is a USA based industry leading petrol engine, bringing ample power to the MCM SM420 Portable Sawmill.