

FRONT MOWER

**CM214•CM314•CM374**

**SHIBAURA**



**IHI** GROUP  
Realize your dreams

# The Way of the Red



**CM214** 21.5hp(16.0kW)



**CM314** 30hp(22.4kW)



**CM374** 36hp(26.8kW)





## Operator Comfort

- Tilt and telescope steering column. (for CM314 & CM374 only)
- Comfort, Easy Adjust Seat with sliding and reclining feature. (for CM314 & CM374 only)
- Simple and easy-to-see instrument panel.
- Cruise control. (for CM314 & CM374 only)
- Flat floor & sufficient leg room. (especially for CM314 & CM374)

## Operational Usability

- Hydrostatic transmission (one range for CM214 and two range for CM314 & CM374) gives you precise control over speed and direction.
- Auto/Full time 4WD provides smooth driving under any ground conditions.
- Optional Remote valve Kit for Grass Collector and another implements. (for CM314 & CM374 only)
- Large fuel tank (50.5 liters) allows you a full day operation without refueling. (for CM314 & CM374 only)

## Safety-Oriented

- Automatic engine stop feature makes the engine stop when you leave the driver's seat.
- Warning alarm device works when engine is overheated. (for CM314 & CM374 only)

## Accessible Maintenance

- One-piece full open hood provides wider accessibility to the engine.
- Flip-up mower deck with the drive shaft connected to the machine provides unobstructed access to deck and cutting blade.
- Gas damper helps you pull the driver's seat easily to access to the space under the seat. (for CM314 & CM374 only)



Flip-up mower deck    Hydrostatic transmission    Dual-element air filters

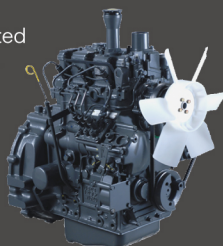
## SHIBAURA COMPACT DIESEL ENGINE-THE ONE YOU CAN TRUST

### Low-emission diesel engine

The Shibaura diesel engines mounted on the CM-series Out Front Mower are environmentally friendly. It meets the US EPA Interim Tier-4 which is recognized as one of the toughest emission criteria in the world at present.

Besides, the engine design takes the EU DGXI Stage 3A emission regulation into account.

In order to satisfy upcoming emission control regulations, Shibaura will design its diesel engine to achieve better combustion efficiency, emission and less fuel consumption.



### Low Noise and Low Vibration

The Shibaura diesel engines realize low noise and low vibration in the whole engine revolution range.

The engine has proper rigidity of the cylinder block and gear case cover, which helps reducing its mechanical and combustion noise.

### Compact and Light-Weight

Applying Finite Element Method (FEM) for structural analysis, Shibaura designs its diesel engine to be compact and light-weight on the basis of the appropriate balance of rigidity, strength and weight.

### Easy Maintenance

The Shibaura diesel engines are ideal when it comes to easy maintenance. On one side of the engine, you can check the oil level, replace the oil filter and complete some other necessary maintenance.

Increased slope capability allows you to operate on steep slopes and banks



\* CM374 only

\* This is in conjunction with operator training, correct weight, correct maintenance of the machine and appropriate conditions. (Mower deck with less than 1.8m rotary mower or less than 1.6m flail mower only without cabin, grass catcher or other attachment)

## OPTION

### ▼ Grass Collector



Model		PM500	PM700
Container Capacity	litre	500	700
Dumping Height	mm	1,750	2,000

### ▼ Mower Deck



### ▼ Cabin



## SPECIFICATIONS

MODEL		CM214	CM314	CM374
Engine				
Model		S773	N843	N843L
Type		Water-Cooled Diesel Engine		
No. of Cylinder		3		
Gross Horsepower	hp(kW)/rpm	21.5(16.0)/2,700	30(22.4)/2,700	36(26.8)/2,700
Displacement	cc	1,005	1,496	1,662
Fuel Tank	ℓ	28	50.5	
Alternator	volt-amp	12-20	12-40	
Dimensions				
Overall Length	mm	2,130	2,145	
Overall Width	mm	1,000	1,365	
Overall Height(with ROPS)	mm	1,875	1,935	
Minimum Ground Clearance	mm	125	150	
Wheel Base	mm	1,050	1,250	
Tread Width-Front	mm	800	990	
Tread Width-Rear	mm	830	995	
Weight with ROPS	kg	530	755	770
Tire Size-Front		20×10-4PR	24×13.00-12 6PR	
Tire Size-Rear		16×6.5-4PR	20×8.00-10 6PR	
Transmission				
Type		HST		
Drive		Auto 4WD or Full Time 4WD		
Range		Single	2-Range	
Travelling Speed-Forward	km/h	0-14.0	0-24.5	
Travelling Speed-Reverse	km/h	0-8.0	60%~70% of Forward Speed	
Speed Control		2 Pedals (Forward and Reverse)		
Brake		Wet Disc (Single Pedal Control)		

MODEL		CM214	CM314	CM374
Front PTO				
Type		Belt Drive	Wet Multi Plates	
Shaft		25.4mm Diameter, Spline		
Rated Speed(@ Engine Speed)	rpm	2,200(@2,700rpm)	2,209 (@2,700rpm)	
Side PTO		(Standard)	(Option)	
Type		Live	Live	
Shaft : PTO		22mm Diameter 6mm key way	20mm Diameter 6mm key way	
PTO RPM(at 2700rpm)	rpm	2,200(@2,700rpm)	2,700 (@2,700rpm)	
Control/Safety System				
Mower Lifting		Hydraulic		
Steering		Hydraulic		
ROPS		2-Post ROPS		
Parking Brake		Standard		
Seatbelt		Standard		
Auto. Engine Stop Feature		Standard		
Safety Engine Starting Switch		Standard		
Mower Deck(OPTION)				
Type		48inch	60inch	72inch
Cutting Height	mm	25-115	38-115	38-115
Cutting Width	mm	1,220	1,520	1,830
Weight	kg	120	175	204

### Important information

●Improper use of any product may cause serious or fatal injury. Read carefully the operating and safety instructions in your owner's manual before use.

 **SHIBAURA**  
IHI Shibaura Machinery Corporation

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※We reserve the right to discontinue models or change specifications without notice.

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