



FORESTRY EQUIPMENT REFERENCE GUIDE



DENIS  **CIMAF**



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RAYCO MANUFACTURING, LLC
& DENIS CIMAF

8507 S. Winn Rd., Winn, Michigan 48896
800.831.0042 • 989.866.2381 • Fax: 330.264.3697



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C120

FORESTRY MULCHER



Rayco's C120 Forestry Mulcher is the answer if you're looking to upgrade from a compact track loader to the power, longevity, and comfort of a purpose-built mulcher. On rubber tracks, it rides on a 17.7-inch (450 mm) wide steel-embedded rubber tracks or on a 20" (500 mm) single grouser or 18" (450 mm) triple grouser steel tracks. A reliable, 120-HP Cummins diesel engine supplies power, while Rayco's Super Flow, closed-loop hydrostatic system delivers mulching power not found in ordinary Compact Track Loaders. Purpose-built for mulching, the C120 features a heavy-duty rear door, hydraulic winch, and Rayco's exclusive elevated cooling design, which places engine radiators in both the rear of the engine compartment and in the limbriser for maximum cooling performance in the harshest climates. The cab is certified ROPS/OPS/FOPS with escape hatches in the roof and rear window.

EQUIPMENT HIGHLIGHTS

- Available with Rayco Predator or Denis Cimaf Mulcher head with 6-foot cutting width
- Rubber Steel Track option (single or triple grouser)
- High/low travel speed with 7 mph FAST track (Available on rubber tracks only)
- Hydraulic cab tilt for easy access to critical components
- Elevated cooling system for hydraulics and A/C
- Reversing fans (engine & limbriser)
- Hydraulic rear winch

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Specifications may vary with equipment options

GENERAL	US	METRIC
Weight w/ Winch & FM120-6R (C120R/C120S)	16,725 lb/ 17,660 lb	7,586/ 7,983 kg
Length w/ Mulcher	17'	5.2 m
Height	8'6"	2.6 m
Width	7'	2.1 m
Engine	120-hp (88-kW) Cummins QSF 3.8L, T4F	
Fuel Type	Diesel	
Fuel Capacity	45 gallons	170.3 L
Hydraulic Tank	14 gallons	53 L
Rubber Track Width	18"	450 mm
Steel Track Width (single grouser/triple grouser)	20"/18"	500/450 mm
Super Flow Hydrostatic Cutter Head Circuit	57 gpm • 5,800 psi	216 L/min • 34,997.8 kPa
Attachment Flow High/Low	40 gpm • 3,770 psi	151/75.7 L/min • 25,993.2 kPa
Travel Speed High/Low	4.7/2.6 mph	7.6/4.2 km/h
FAST Track	7 mph	11.3 km/h
Cab Certifications	ROPS ISO 8082 • FOPS ISO 8083 • OPS ISO 8084	

Standard Predator Open Face Carbide Mulcher Head Model FM120-6R

Weight	3,465 lb	1,571 kg
Overall Width	7'	211 cm
Rotor Diameter	16.75"	42.55 cm
Rotor Speed	2,200 RPM	
Ground Pressure	5.65 psi	39 kPa
Cutting Width	6'	1.8 m
Max Mowing Height	7'5"	2.3 m
Cutter Teeth	36 Carbide-Tipped, Reversible	

Optional DENIS CIMAF Depth Limiting Ring Mulcher Head Model FM120-6C

Weight	3,075 lb	1,395 kg
Overall Width	7'3"	2.2 m
Rotor Diameter	18"	46 cm
Rotor Speed	2,500 RPM	
Ground Pressure	5.87 psi	40.5 kPa
Cutting Width	6'2"	1.9 m
Max Mowing Height	7'5"	2.3 cm
Cutter Teeth	27 Sharpenable Planer Knives	



C200

FORESTRY MULCHER



For the ultimate in compact, powerful mulchers, look no further than Rayco's C200. Its narrow profile makes the C200 the ultimate for right-of-way clearing on narrow lines, as well as for use in larger-scale clearing projects. It rides on either a 20-inch (500 mm) wide steel-embedded rubber or 18" (450 mm) single grouser steel tracks. The operator cabin is comfortable and spacious, with a high-backed, heated seat with air-ride suspension. The rear fan is auto-reversing, reducing maintenance time.

FEATURES AND BENEFITS

- Powerful 188-HP Isuzu diesel engine
- Available with Rayco Predator or Denis Cimaf mulcher heads, with 6-foot cutting width
- 20" wide Rubber or 18" wide Steel Tracks
- High and low ground travel
- Hydraulic rear winch
- Hydraulic cab tilt for easy access to critical components
- Certified ROPS/FOPS/OPS Cab
- Rear view camera with dedicated monitor
- Roof-top escape hatch
- High-output LED work lights

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Specifications may vary with equipment options

GENERAL	US	METRIC
Weight w/ Winch & FM200-6R (C200R/C200S)	20,760 lb/21,760 lb	9,417 kg/9,870 kg
Length w/ Winch & FM120-6R	19'1"	5.8 m
Height	8'6"	2.7 m
Width	7'6"	2.3 m
Engine	188-HP Isuzu 5.2L, T4F	
Fuel Type	Diesel	
Fuel Capacity	64 gallons	242 L
Hydraulic Tank	20 gallons	75.7 L
Rubber/Steel Track Width	20"/18"	500 mm/450 mm
Super Flow Hydrostatic Cutter Head Circuit	66 gpm • 5,800 psi	250 L/min • 400 bar
Travel Speed High/Low	4.8/2.7 mph	7.7/4.3 km/h

Cab Certifications ROPS ISO 8082 • FOPS ISO 8083 • OPS ISO 8084

Standard Predator Open Face Carbide Mulcher Head Model FM200-6R

Weight	3,200 lb	1,451.6kg
Overall Width	7'2"	219 cm
Rotor Diameter	17"	43 cm
Rotor Speed	2,052 RPM	
Ground Pressure	5.71 psi	39.4 kPa
Cutting Width	5'8"	1.7 m
Max Mowing Height	8'7"	2.6 m
Cutter Teeth	36 Carbide-Tipped	

Optional DENIS CIMAF Depth Limiting Ring Mulcher Head Model FM200-6CA

Weight	3,0754 lb	1,395 kg
Overall Width	7'3"	2.2 m
Rotor Diameter	18"	46 cm
Rotor Speed	2,500 RPM	
Ground Pressure	5.31 psi	36.6 kPa
Cutting Width	6'2"	2 m
Max Mowing Height	8'7"	2.6 m
Cutter Teeth	27 Sharpenable Planer Knives	



C275

FORESTRY MULCHER & HYDRA-STUMPER



The C275 is a mid-sized forestry mulcher that delivers 275 hp in a compact, low-ground-pressure package. This mulching machine is suited for clearing medium trees, underbrush, and a variety of unwanted vegetation across a wide range of environments. Customers can change between a forestry mulcher head and a stump cutter attachment for the ultimate in high-production versatility. To minimize maintenance, a reversing fan can be activated to clear the limbriser debris screens. Operators appreciate the high-backed, heated seat with adjustable armrests and air-ride suspension.

FEATURES AND BENEFITS

- The heavy-duty steel undercarriage and powerful final drives allow operators to tackle difficult terrain with confidence.
- Rayco's exclusive elevated cooling design keeps engine and hydraulic temperatures within their limits in the harshest of environments.
- For safety, the cab is certified to meet ROPS, FOPS, and OPS specifications and is equipped with a roof-top escape hatch.
- Hydraulic cab tilt provides easy access to critical components.
- High-output LED work lights and a backup camera enhances rearward visibility.

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Specifications may vary with equipment options

GENERAL	US	METRIC
Weight w/ Winch	27,460 lb	12,455 kg
Length w/ Winch & FM275-7R	21'2"	6.5 m
Height	10'	3 m
Width	8'1/4"	2.4 m
Engine	275-hp (205 kW) CAT C7.1, T4F	
Fuel Type	Diesel	
Fuel Capacity	80 gallons	303 L
Hydraulic Tank	25 gallons	94 L
Tracks: Single Grouser, Steel	Standard: 24" (600 mm) Optional: 20" (500 mm) or 28" (700 mm)	
High Flow Hydrostatic	102 gpm • 6,090 psi	386 L/min • 420 bar
Travel Speed High/Low	3.6/1.8 mph	6/3 km/h
Cab Certifications	ROPS ISO 8082-1 • FOPS ISO 8083 • OPS ISO 8084/J1356	

Standard Predator Open Face Carbide Mulcher Head Model FM275-7R/Denis Cimaf Depth Limiting Ring Mulcher (DAF225EX)

Weight	4,295 lb/5,400 lb	1,948 kg/2,360 kg
Overall Width	7'9"/8'6"	2.4 m/2.6 m
Rotor Diameter	20"	50 cm
Rotor Speed	2,050 RPM/2500 RPM	
Cutting Width	6'6"/7'1"	2 m/2.6 m
Max Mowing Height	46"	118 cm
Cutter Teeth	42 Carbide-Tipped	

Hydra-Stumper Model CB275HS

Weight	4,400 lb	1,995 kg
Weight w/ Winch	27,560 lb	12,501 kg
Length w/Winch	23'	7 m
Wheel Diameter	40"	102 cm
Wheel Thickness	3"	7.6cm
Cutter Wheel RPM	650 RPM	650 RPM
Cutting Teeth	36 Rayco Monster Tooth™	
Cutting Range Below Ground Level	3'4"	1 m
Cutting Range Above Ground Level	5'	1.5 m
Cutting Width	9'	2.7 m



T415

FORESTRY MULCHER & HYDRA-STUMPER



Rayco's powerful T415 forestry machine allows customers to change between a forestry mulcher head and a stump cutter attachment for the ultimate in high-production versatility. Powered by a 415-hp engine, it boasts a closed-loop Hydrostatic system to power the mulcher or stump cutter heads, sending 140 gallons per minute (530L/min) to the attachment drive motor. The hydraulic output is power-optimized matching the engine's power curve, keeping the mulcher/stumper RPM constant even under load for a finer mulched product with fewer passes.

FEATURES AND BENEFITS

- The heavy-duty steel undercarriage and powerful final drives allow operators to tackle difficult terrain with confidence.
- Rayco's elevated cooling design keeps engine and hydraulic temperatures within their limits in the harshest of environments.
- For safety, the cab is certified to meet ROPS, FOPS, and OPS specifications and is equipped with a roof-top escape hatch.
- Hydraulic cab tilt provides easy access to critical components.
- High-output LED work lights and a backup camera enhances rearward visibility.

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Specifications may vary with equipment options

GENERAL	US	METRIC
Weight w/ Winch & FM415-8R	42,920 lb	19,468 kg
Length w/ Winch & FM415-8R / CB415	23'6" / 24'4"	7.2/7.42 m
Height	10'7"	3.22 m
Width	9'4"	2.84 m
Ground Clearance	22" at belly	56 cm
Engine	416-hp CAT	310-kW CAT
Fuel Type	Diesel	
Fuel Capacity	95 gallons	360 L
Hydraulic Tank	95 gallons	360 L
Tracks: Steel	Std.: 28" (700 mm) Dbl Grouser; Opt.: 24" (600 mm) or 28" (700 mm) Single Grouser	
High Flow Hydrostatic	140 gpm • 5,070 psi	530 L/min • 34,956 kPa
Travel Speed High/Low	3.7/2.0 mph	5.95/3.22 km/h
Cab Certifications	ROPS ISO 8082 • FOPS ISO 8083 • OPS ISO 8084/WCB G603	

**Predator Open Face Carbide Mulcher Head Model FM415-8R/
Denis Cimaf Depth Limiting Ring Mulching Head DAF-250Ex**

Weight	7,200 lb/5,400 lb	3,266 kg/2,450 kg
Overall Width	9'4" / 8'7"	2.9 m / 2.6 m
Rotor Diameter	27" / 20"	68.5 cm / 51 mm
Ground Pressure	5.74 psi	39.6 kPa
Cutting Width	7'7" / 8'3"	2.3 m / 2.5 m
Max Mowing Height	6'2"	2 m
Cutter Teeth	45 Rayco Single-Bolt Teeth + 4 Rayco Single-Bolt, Extra-Carbide Teeth	

Hydra-Stumper Model CB415

Weight	6,500 lb	2,950 kg
Wheel Diameter	48"	1.2 m
Wheel Thickness	3"	7.6 cm
Cutter Wheel RPM	705 RPM	
Drive Belt	Gates Polychain® GT	
Ground Pressure	5.68 psi	39.2 kPa
Cutting Teeth	56 Rayco Monster Tooth™	
Below/Above Ground Cutting Level	3" 1" / 8' 10"	94 cm / 2.7 m
Cutting Width	9'	2.74 m



DAH

BOOM-MOUNTED MULCHING HEAD

The Denis Cimaf DAH models range from the DAH-065B, for 5 to 7 ton excavators, to the DAH-150Er, for 24.5 to 32 tons excavators. They can be installed on all mast-type hydraulic carrier with sufficient hydraulic lines, weight and power. The main advantages of this model lies in visibility, versatility, and mobility. With the wide ranges of carrier choices and the mulching capabilities of the DAH, there is no job too hard for a well-equipped land clearing or right-of-way maintenance business.

THE DAH, DAF, and DXF MULCHING HEADS ARE USED IN THE FOLLOWING APPLICATIONS:



Pipeline and transmission line maintenance



Highways, roads and trails maintenance



Firebreak creation and forest management



Private property maintenance and land clearing

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DAF

FRONT-MOUNTED MULCHING HEAD

The Denis Cimaf DAF models range from the DAF-150D, for carriers with a minimum 75-HP, to the DAF-2150Ex, for carriers with a minimum 250-HP. They can be installed on any type of front-mounted carrier with sufficient hydraulic lines, weight, and power. The smaller models are ideal for land maintenance and heavy brush clearing. The heavier models are real juggernauts that stop at nothing except your command. The DAF mulching heads perform best in sandy soils.



**Download DAF Boom-mounted
Mulching Head Spec Sheet**



**Download DAF Front-mounted
Mulching Head Spec Sheet**



FEATURES AND BENEFITS

The Denis Cimaf DXF Mulching Head is a high-power, forestry brushcutting-mulching industrial system designed and built exclusively to mulch wood or vegetation residue on rocky forest terrain and to reclaim untilled land.

The DXF mulching head is useful for:

- Shredding plants and branches in forests, of a diameter not exceeding the values indicated in the technical specifications for clearing undergrowth.
- To help maintain electric lines and funicular systems
- Mulching dead branches after forest clearance
- Creating Fire Lanes
- Shredding pruning residue
- Cultivation of new agricultural areas or grazing pastures
- Mulching organic waste for biomass use

The DXF mulching head features:

- Bolt-in wear liner
- Replaceable Skid Shoes
- Standard SAE attachment plate
- Start-up Kit

DXF 150

Description	US	METRIC
Min Approx. Carrier Power	75 HP	60 kW
Cutting Width	59"	150 cm
Number of Teeth on Rotor	30 Dual-sided Carbide Teeth	
Target Material Diameter	8"	20 cm
Exterior Width	72"	183 cm
Height w/ Pushbar	56"	142 cm
Depth w/ Pushbar	53"	135 cm
Rotor Diameter	17"	43 cm
Optimal Rotor Speed	2,200 RPM	
Weight, with all options	2,375 lbs	1,080 kg
Hydraulic Motor Displacement	115 cc	
Max. Operating Pressure	5,000 psi	
Min Required Continuous Flow	35 gal/min	133 L

DXF 180

Description	US	METRIC
Approx. Min Carrier Power	85 HP	65 kW
Cutting Width	74"	189 cm
Number of Teeth on Rotor	38 Dual-sided Carbide Teeth	
Target Material Diameter	8"	20 cm
Exterior Width	87"	221 cm
Height w/ Pushbar	56"	142 cm
Depth w/ Pushbar	53"	135 cm
Rotor Diameter	17"	43 cm
Optimal Rotor Speed	2,200 RPM	
Weight, with all options	2,950 lbs	1,339 kg
Hydraulic Motor Displacement	115 cc	
Max. Operating Pressure	5,000 psi	
Min Required Continuous Flow	35 gal/min	133 L



Download DXF 150D
Mulching Head Spec Sheet



Download DXF 180D
Mulching Head Spec Sheet



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