

CH4000 Rotary Hoe

Specifications #D – 2020-04



CH4000 Rotary Hoe Specifications				Comments / Images
(Note: Specifications very similar to CH3000. '620 deleted and '570 added 2020-03)				
Power rating	Rotary hoe only: MAX. 225kW [300hp] PTO. Rec Min: CH4420DT (164"), CH4470DT (184"), CH4570DT (224"). 160hp180hp220hp			Note: Tractor power over 1.5hp per inch working width typically considered excessive. Min rec = 1hp per inch working width.
Widths / Sizes	Cultivation widths in cm. (inches) Standard sizes: CH4420DT (164"), CH4470DT (184"), CH4570DT (224").			Top photo of CH4470DT with Rear Toolbar and Crumble Roller.
Mounting	Cat 3N & Cat 3 - Suit SAE Quick Hitch. All models central only.			
Weight	CH4420DT	CH4470DT	CH4570DT	Weights calculated from CAD.
	Base machine:	2225kg	2450kg	
	Rear Toolbar:	205kg	260kg	
	Crumble Roller:	350kg	370kg	
Width overall	CH4420DT: 463cm. CH4470DT: 513cm. CH4570DT: 605cm.			
Safety guarding	Complies with: AS/NZS 2153 1997 Part 5. Power Driven Soil-working Equip.			Equivalent to EC standard.
Drive shaft	Bondioli & Pavesi 412 Series phased spline. Cross dimensions 49 x 136mm.			Caps individually greased.
Clutch	Shear pin clutches on gearbox output / lateral shafts.			
Gearbox	Comer T-332A.			
Side drives	Dual (2) chain side drives. Simplex high tensile shock resistant chain in oil bath. Optional side drives with duplex high tensile shock resistant chain.			

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Rotors	Dual (2) rotors with centre support. Rotors: Open end, CH 18 hole flange – 3 + 3 blade configuration. Rotor Tube Material: CH4420DT & CH4470DT: 141 OD x 16 wall. CH4570DT: 168 OD x 14 wall. Rotor Speed: 275rpm. Standard Blades: Power 'L' - 90 x 8mm P/N 9862, 9863). Optional blades (Dealer or end-user fitment.): Long shank 'L' - 90 x 8mm (3.5" x 5/16") P/N 9910, 9911, Speed blades 'C' - 90 x 8mm (3.5" x 5/16") P/N 9950, 9951.	
Rotor sealing	Metal to metal face seals and oil lubricated both ends.	
Rotor clearance	105mm (4.5") – Standard Power 'L' blades. 73mm (3.25") - Speed or Long Shank blades.	Measured vertically over centre of rotor.
Frame construction	Fabricated tool-bar style frame with integral topmast. Front tool-bar: 150 x 150 x 9 Rear tool-bar: 100 x 100 x 9 Large front tool-bar provides rigidity with minimal bracing and is suitable for attaching ground working tines to. Shield & Trailing Board. 16mm (5/8") conveyor belting, which remains free of dirt build up because of its flexible / rubber characteristics.	
Topmast	Integral with frame.	
Trailing boards	Rubber - 16mm (5/8") conveyor belt. Positioned / adjusted from single ratchet ram.	
Depth control	Crumble roller, mounted to rear toolbar. Crumble Roller: 514 OD, 11 tubes 42.4 x 4 wall.	See photo at top of 1 st page.
Front Tine option	Robust 150 x 150 (6" x 6") front frame member permits attachment of suitable subsoiling tines. Image shows Left Hand Row Crop Paraplow tine. (Right Hand Opposite angle on foot.)	