

# CH4000 Rotary Hoe

Specifications #D – 2020-04



<b>CH4000 Rotary Hoe Specifications</b> (Note: Specifications very similar to CH3000. '620 deleted and '570 added 2020-03)		Comments / Images																
<b>Power rating</b>	Rotary hoe only: MAX. 225kW [300hp] PTO.  Rec Min: CH4420DT (164"), CH4470DT (184"), CH4570DT (224"). 160hp                      180hp                      220hp	Note: Tractor power over 1.5hp per inch working width typically considered excessive. Min rec = 1hp per inch working width.																
<b>Widths / Sizes</b>	Cultivation widths in cm. (inches) Standard sizes: CH4420DT (164"), CH4470DT (184"), CH4570DT (224").	Top photo of CH4470DT with Rear Toolbar and Crumble Roller.																
<b>Mounting</b>	Cat 3N & Cat 3 - Suit SAE Quick Hitch. All models central only.																	
<b>Weight</b>	<table border="0"> <tr> <td></td> <td>CH4420DT</td> <td>CH4470DT</td> <td>CH4570DT</td> </tr> <tr> <td>Base machine:</td> <td>2225kg</td> <td>2450kg</td> <td>2800kg</td> </tr> <tr> <td>Rear Toolbar:</td> <td>205kg</td> <td>260kg</td> <td>285kg</td> </tr> <tr> <td>Crumble Roller:</td> <td>350kg</td> <td>370kg</td> <td>420kg</td> </tr> </table>		CH4420DT	CH4470DT	CH4570DT	Base machine:	2225kg	2450kg	2800kg	Rear Toolbar:	205kg	260kg	285kg	Crumble Roller:	350kg	370kg	420kg	Weights calculated from CAD.
	CH4420DT	CH4470DT	CH4570DT															
Base machine:	2225kg	2450kg	2800kg															
Rear Toolbar:	205kg	260kg	285kg															
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<b>Width overall</b>	CH4420DT: 463cm. CH4470DT: 513cm. CH4570DT: 605cm.																	
<b>Safety guarding</b>	Complies with: AS/NZS 2153 1997 Part 5. Power Driven Soil-working Equip.	Equivalent to EC standard.																
<b>Drive shaft</b>	Bondioli & Pavesi 412 Series phased spline. Cross dimensions 49 x 136mm.	Caps individually greased.																
<b>Clutch</b>	Shear pin clutches on gearbox output / lateral shafts.																	
<b>Gearbox</b>	Comer T-332A.																	
<b>Side drives</b>	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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<b>Rotors</b>	<p>Dual (2) rotors with centre support. Rotors: Open end, CH 18 hole flange – 3 + 3 blade configuration.</p> <p><b>Rotor Tube Material:</b> CH4420DT &amp; CH4470DT: 141 OD x 16 wall. CH4570DT: 168 OD x 14 wall.</p> <p><b>Rotor Speed:</b> 275rpm.</p> <p><b>Standard Blades:</b> Power 'L' - 90 x 8mm P/N 9862, 9863).</p> <p><b>Optional blades (Dealer or end-user fitment.):</b> 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.</p>	
<b>Rotor sealing</b>	Metal to metal face seals and oil lubricated both ends.	
<b>Rotor clearance</b>	105mm (4.5") – Standard Power 'L' blades. 73mm (3.25") - Speed or Long Shank blades.	Measured vertically over centre of rotor.
<b>Frame construction</b>	<p>Fabricated tool-bar style frame with integral topmast.</p> <p>Front tool-bar: 150 x 150 x 9 Rear tool-bar: 100 x 100 x 9</p> <p>Large front tool-bar provides rigidity with minimal bracing and is suitable for attaching ground working tines to.</p> <p>Shield &amp; Trailing Board. 16mm (5/8") conveyor belting, which remains free of dirt build up because of its flexible / rubber characteristics.</p>	
<b>Topmast</b>	Integral with frame.	
<b>Trailing boards</b>	Rubber - 16mm (5/8") conveyor belt. Positioned / adjusted from single ratchet ram.	
<b>Depth control</b>	<p>Crumble roller, mounted to rear toolbar.</p> <p>Crumble Roller: 514 OD, 11 tubes 42.4 x 4 wall.</p>	See photo at top of 1 <sup>st</sup> page.
<b>Front Tine option</b>	<p>Robust 150 x 150 (6" x 6") front frame member permits attachment of suitable subsoiling tines.</p> <p>Image shows Left Hand Row Crop Paraplow tine. (Right Hand Opposite angle on foot.)</p>	