

# AH4000 Rotary Hoe

Specifications #B – 2020-04



AH4000 Rotary Hoe Specifications		Comments / Photos
<b>Power rating</b>	Rotary hoe only: 150kW [200 hp] PTO. Rotary hoe with 4 subsoiling tines fitted to front toolbar: 175kW [225 hp] PTO.	
<b>Widths / Sizes</b>	Cultivation widths in cm. (inches) Standard sizes: '255(100)", '305(120)", '355(140)". '405(160")	Top photo of AH4000 / 305.
<b>Mounting</b>	All models central only. AH4255: Cat 2, AH4305, '355 & '405: Cat 3N & Cat 3 - Suit SAE Quick Hitch.	AH4305 as Cat 2 until early 2017.
<b>Weight with Crumble Roller</b>	AH4255 = 1405 kg, AH4305 = 1690 kg, AH4355 = 1845 kg, AH4405 = 2125 kg.	Approx weight. (With crumble roller is typically maximum.)
<b>Width overall</b>	Cultivation width + 55.5cm (22")	
<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>	Comer E90 phased spline. [Cross dimensions 41 x 108mm] Tractor yoke 1.3/8" x 21 spline.	Originally AH4255 & '305 was: Comer E80 phased spline.
<b>Clutch</b>	Ratchet Clutch / Auto Torque Limiter on driveshaft – 3500Nm.	
<b>Gearbox</b>	Comer MZ 827 F	
<b>Side drive</b>	Chain side drive on left. AH4255 & AH4305: Simplex high tensile shock resistant chain. AH4355 & AH4405: Duplex high tensile shock resistant chain.	

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<b>Rotor</b>	<p>Open end AH / M Series Rotor - 3 blade configuration.</p> <p><b>Rotor Tube Material:</b>            AH4255: 141 OD x 9.5 wall.            AH4305: 141 OD x 16 wall.            AH4355: 168 OD x 14 wall.            AH4405: 168 OD x 18 wall.</p> <p><b>Rotor Speed:</b> 248rpm. (304rpm using optional change gears.)</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>	115mm (4.5") - Std blades. 83mm (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>AH4255, AH4305: 150 x 150 x 5 front tool-bar.            100 x 100 x 6.5 rear tool-bar.</p> <p>AH4355, AH4405: 150 x 150 x 9 front tool-bar.            100 x 100 x 9 rear tool-bar.</p> <p>Large front tool-bar provides rigidity with minimal bracing and is suitable for attaching ground working tines to.            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. Pin positioned quadrant adjusted.	
<b>Depth Control options</b>	Pneumatic Wheels: 6.50 x 10 – 10PR on Ford Stud pattern hub. Crumble Roller: 514 OD, 11 tubes 42.4 x 4 wall.	
<b>Front Tine option</b>	Robust 150 x 150 (6" x 6") front frame member permits attachment of suitable subsoiling tines. Image shows Row Crop Paraplow tine.	