



HEIL FORMULA 3000

SPECIFICATIONS



FORMULA 3000

REAR LOADER 1980 SPECIFICATIONS

	Model 3000-16	Model 3000-18	Model 3000-20	Model 3000-25
BODY SIZE	16 yd ³ (12.23m ³)	18 yd ³ (13.76m ³)	20 yd ³ (15.29m ³)	25 yd ³ (19.11m ³)
Overall Length	186 ⁵ / ₈ in. (4740.28mm)	202 ¹ / ₈ in. (5134.0mm)	216 ⁵ / ₈ in. (5502.28mm)	239 ⁵ / ₈ in. (6086.48mm)
Length at Body Floor	130 in. (3302.0mm)	145 ¹ / ₂ in. (3695.7mm)	160 in. (4064.0mm)	183 in. (4648.2mm)
Overall Width	95 ³ / ₄ in. (2432.1mm)	95 ³ / ₄ in. (2432.1mm)	95 ³ / ₄ in. (2432.1mm)	95 ³ / ₄ in. (2432.1mm)
Overall Height (above chassis frame)	83 in. (2108.2mm)	83 in. (2108.2mm)	83 in. (2108.2mm)	90 in. (2286.0mm)
TAILGATE				
Hopper Capacity (TBEA Rated)	1.4 yd ³ (1.07m ³)	1.4 yd ³ (1.07m ³)	1.4 yd ³ (1.07m ³)	1.4 yd ³ (1.07m ³)
Hopper Width	80 in. (2032.0mm)	80 in. (2032.0mm)	80 in. (2032.0mm)	80 in. (2032.0mm)
Load Opening	54 in. (1371.6mm)	54 in. (1371.6mm)	54 in. (1371.6mm)	54 in. (1371.6mm)
Loading Height (below chassis frame)	5 in. (127.0mm)	5 in. (127.0mm)	5 in. (127.0mm)	9 in. (228.6mm)
CYCLE TIME				
Complete Cycle	14-18 seconds	14-18 seconds	14-18 seconds	14-18 seconds
CHASSIS REQUIREMENTS				
C/A Single Axle	102 in. (2591mm)		120-132 in. (3048-3353mm)	
C/A Tandem Axle			116 in. (2946mm)	138 in. (3505mm)
Recommended GVWR	27,000 lbs. (12,247 kgs)		32,000 lbs. (14,515 kgs)	41,000 lbs. (18,597 kgs)
COMBINED CG FROM FRONT OF BODY				
C/G empty from front head	99 in. (2514.6mm)	106 in. (2692.4mm)	115 in. (2921.0mm)	126 in. (3073mm)
C/G average loaded from front head body and payload	80 ¹ / ₂ in. (2044.7mm)	89 ¹ / ₂ in. (2273.3mm)	97 in. (2463.8mm)	108 in. (2743.2mm)
Gross Weight (approx.)	9,200 lbs. (4173 kgs)	9,450 lbs. (4286.4 kgs)	9,700 lbs. (4400 kgs)	10,500 lbs. (4763 kgs)

ALL 3000 MODELS

STEEL TYPE AND GAUGE		STEEL TYPE AND GAUGE	
Body Sides	11 ga. high tensile (3.038mm)	Hopper Floor	1/4 in. hi-tensile (6.350mm)
Body Roof	11 ga. high tensile (3.038mm)	Hopper Sides	1/4 in. hi-tensile (6.350mm)
Front Head	11 ga. high tensile (3.038mm)	Packing Blade	3/16 in. hi-tensile (4.763mm)
Body Flooring	10 ga. high tensile (3.416mm)	Ejector Panel	12 ga. high tensile (2.657mm)
Tailgate Sides	12 ga. hrs. (2.657mm)		
CYLINDERS		CYLINDERS	
Tailgate Raise	2-3 in. (76mm) bore x 22 in. (559mm) Stroke	Ejector 16 yd ³ (12.23m ³)	1-3 stage, double acting telescopic
Packing Blade	2-5 in. (127mm) bore x 16 in. (406mm) Stroke, double acting or 2-5 ¹ / ₂ in. (140mm) x 16 in. (406mm)	Ejector 20 yd ³ (15.29m ³)	1-4 stage, double acting telescopic
Hopper	2-5 in. (127mm) bore x 16 in. (406mm) Stroke, double acting telescopic.	Ejector 25 yd ³ (19.11m ³)	1-4 stage, double acting telescopic
HYDRAULICS			
Pump		22 gpm (83.28 liters/min.) @ 1,000 rpm @ 0 PSI	
Filter		Return line 25 micron, replaceable element	
Maximum operating pressure		2,500 PSI (17,237 KPA)	
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> • Left side access door • Left side buzzer • Reversible cutting edge packing blade • Bulky object switch • 100,000 PSI (689 MPA) Steel hopper floor • Automatic safety door • Heavy duty packing cylinders • Air operated PTO • Auxiliary engine drive • Extra capacity hoppers • Arm type hydraulic container mechanism (requires extra capacity hopper) for 1-3 yd³ (76-2.29m³) containers. 		

Note: Specifications are subject to change without notice.

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