

WARN Industrial Hoist

Model	Part Number	Motor Type
HY3000-CCW	36948	Hydraulic 3.0 ci (50 cc)



The HY3000 hoist combines a powerful and efficient hydraulic motor with robust sealing and our proven 2-stage all metal geartrain. Permanent grease lubrication means years of trouble free service. All WARN hoists incorporate an automatic mechanical brake that holds full rated load. The durable powder coated finish stands up to the elements and looks great. The HY3000 hoist is built on a large frame with a cast aluminum drum for plenty of wire rope capacity.

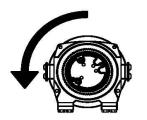
Accessories

Description:	Part Number
Wire Rope Assy-5/16" x 125ft	25987
Wire Rope Assy-5/16" x 100ft	24900
Wire Rope Assy-5/16" x 80ft	15276
Wire Rope Assy-5/16" x 75ft	24899
Wire Rope Assy-5/16" x 50ft	38309

*Clockwise model shown in photo. Always observe correct drum rotation

Engineering Data				
Rated Capacity:	3000 lbf	1361 kgf		
Drum Barrel Diameter:	5.31 in	135 mm		
Drum Flange Diameter:	8.9 in	226 mm		
Distance Between Flanges:	5.94 in	151 mm		
Recommended Maximum Wire Rope Diameter:	5/16 in	7.9 mm		
Recommended Minimum Wire Rope Breaking Strength:	10540 lbf	4781 kgf		
Approximate Shipping Weight:	70 lb	31.8 kg		
Duty Cycle (intermittent per SAE J706 section 6.2):	N/A ft	N/A m		
Mounting Bolt Torque:	35 - 40 ft*lbf	47 - 54 N*m		
Maximum Layers of Wire Rope:	4			
Gear Reduction:	21:1			
Brake Type:	Automatic Disc			

Drum Rotation



Viewed from Motor End

Compliance

Standards

1. - CE Machinery Directive 98/37/EC and 2006/42/EC 2. - ASME B30.5

Performance By Layer

Drum Layer	Line Load *		Line Speed at 10 GPM		Drum Capacity		
	lbf	kgf	kN	ft/min	m/min	ft	m
1	3000	1361	13.3	43.0	13.1	25	7.6
2	2700	1225	12.0	47.0	14.3	54	16.5
3	2454	1113	10.9	52.0	15.8	85	25.9
4	2250	1021	10.0	56.0	17.1	119	36.3

Never exceed the Rated Capacity. Installation of a Rated Capacity Limiter is recommended.

kgf

0

272

544

816

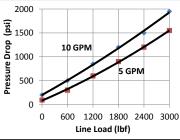
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1361

First Layer Performance						
	Pressure Drop at 5 GPM		Pressure Drop at 10 GPM		Duty Cycle	
	psi	BAR	psi	BAR	min/10min	
	95	6.6	200	13.8	5.0	
	300	20.7	500	34.5	3.4	
	600	41.4	850	58.6	2.5	
	900	62.1	1200	82.7	2.1	

¹²⁰⁰ 82.7 1500 103.4 1.7 1550 106.9 1950 134.5 1.5

Speed (ft/min) 45 Layer 30 **j** 15 0 10 Flow Rate (GPM)



WARN INDUSTRIES, INC **Industrial Products**

Line Load

lbf

0

600

1200

1800

2400

3000

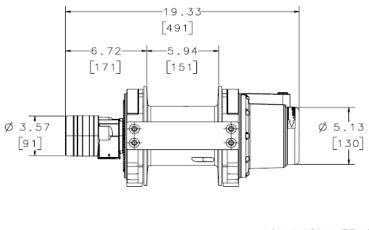
Customer Service (North America): 1.800.543.9276 Customer Service (International): 1.503.722.3008 FAX: 1.503.722.3000 www.warn.com

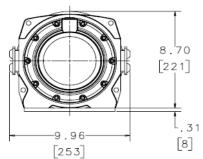
12900 S.E. Capps Road, Clackamas, OR USA 97015

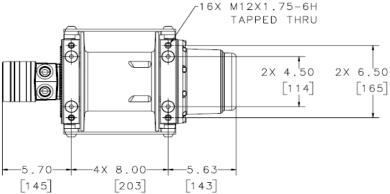


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Units are given in inches [millimeters], unless otherwise specified

Recommended Mounting- Always Observe Correct Drum Rotation Hydraulic System Specifications Pull from bottom of hoist Pull from bottom of hoist Pull from top of hoist 134 BAR Maximum System Pressure: 1950 psi Maximum Motor Pressure Drop: 134 BAR 1950 psi Maximum Rated Input Flow: 10 GPM 37.9 LPM 3-position, 4-way, spring return, closed center Control Valve Type: (cylinder spool) **Control Valve Schematic** ϖ D Feet forward Feet forward Feet down Pull from top of hoist Pull from top of hoist Pull from top of hoist U в∮̂т Note: Drum rotates clockwise with Port A pressurized when viewed from gearbox end. Feet down without angle brace Feet down without angle brace Angle Braces Only

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