



# Lifting Gear Hire Corporation

Phone: 800-878-7305 Fax: 708-430-3536

www.lgh-usa.com

## 1,100 lbs. Capacity Air Winch (SanEi MP-W05)

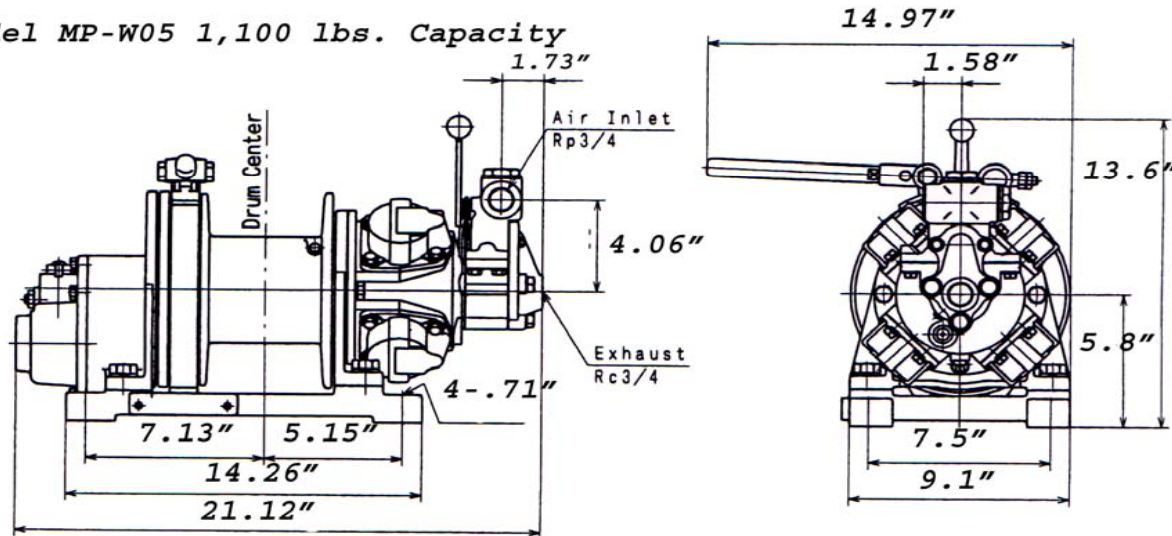
**\*\* NOTE: Cable Strength is the Breaking Strength.**  
 The Recommended safety factor for wire rope is;  
 Pulling - 3.5:1      Lifting - 5.0:1

Winch Model:	MP-W05	Manufacture:	SanEi
Line Pull (lbs.)	1,100	Weight (lbs.):	122 (No Cable)
(Nominal Capacity)		Line Speed (fpm)	62.3 (Mid Layer)
Wire Rope Dia. (in.)	1/4", 5/16"	Drum Root Dia:	4.73"
Rope Anchor Dia.	.39"	Motor HP:	2.32
Full Drum Capacity	213' (1/4" wire rope)	Avg. CFM Required:	75
	147' (5/16" wire rope)	Drum Width	4.5"
		<b>** Recommended working length is 80% rope capacity</b>	

**Wire Rope Storage Capacities**

1/4" - 213'	Cable Strength 5,880 lbs.
5/16" - 147'	Cable Strength 9,160 lbs.

*Model MP-W05 1,100 lbs. Capacity*

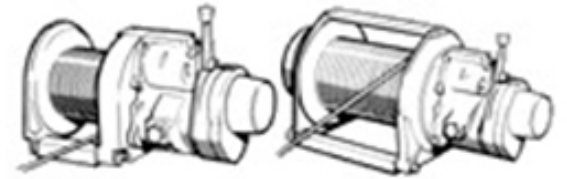


\*\* Nominal capacity rating complies with ANSI B30.7 for Base Mounted Drum Hoists. Provides 5:1 design factor based on the rated line pull.



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## Wire Rope Selections for Winches *Lifting vs. Pulling*

Wire Rope Selection				
Rope Size (in.)	ⓈBreaking Strength in		Recommended Safe Working Load (lbs.)	
	2000 lb. tons	Wt./Ft. (lbs.)	Pulling 3.5:1 <sup>Ⓢ</sup>	Lifting/Lowering 5.0:1 <sup>Ⓢ</sup>
1/4 (0.25)	2.94	0.11	1,680	1,176
5/16 (0.31)	4.58	0.18	2,616	1,832
3/8 (0.38)	6.56	0.26	3,748	2,624
7/16 (0.44)	8.89	0.35	5,080	3,556
1/2 (0.50)	11.50	0.46	6,570	4,600
5/8 (0.63)	17.90	0.72	10,228	7,160
3/4 (0.75)	25.60	1.04	14,628	10,240
7/8 (0.88)	34.60	1.42	19,771	13,840
1 (1.00)	44.90	1.85	25,657	17,960
1 1/8 (1.125)	56.50	2.34	32,286	22,600

\*Nominal capacity rating complies with ANSI 830.7 for Base Mounted Drum Hoists. Provides 5:1 design factor based on the rated line pull.

\*Based on improved plow steel wire rope with independent wire core, except HSU models which require extra improved plow steel.

\*Regarding ropes, ANSI 830. requires a minimum of 3:5:1 origin factor with 15:1 rope pitch diameter to drum diameter for most winching applications (e.g. pulling/hauling and anchor handling). For lifting and lowering a 5:1 design factor with an 18:1 rope pitch diameter to drum diameter is required.

\*Extra improved plow steel IWRC wire rope.