



PREPARED FOR: Rasmussen

**PERFORMANCE & WIRE ROPE STORAGE**

MODEL NUMBER: M50-7-86-XXX

**Input values**

Barrel Dia	14.00	(in)	Pressure	2500	(psi)
Flange Dia	30.00	(in)	Volume	115	(gpm)
Length	22.00	(in)	Gear Ratio:	115.9	
Wire Dia	1.000	(in)			
Layers	9		Max.Layers	9	
Torque	381250	(lb.in.)	Max.Storage	914	(ft)
Rpm	17.4		Free Flange	0.07	(in)

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**Calculated Values:**

	LAYER	LAYER	LINE	LINE	PER	STORAGE
	OUTER	RADIUS	PULL	SPEED	LAYER	Total
#	Dia. (in)	(in)	(lbs.)	(fpm)	(ft)	(ft)
1	16.000	7.500	50833	68	79	79
2	17.732	8.366	45571	76	77	156
3	19.464	9.232	41296	84	85	240
4	21.196	10.098	37755	92	93	333
5	22.928	10.964	34773	100	100	433
6	24.660	11.830	32227	108	108	542
7	26.392	12.696	30029	116	116	658
8	28.124	13.562	28111	124	124	782
9	29.856	14.428	26424	131	132	914

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