

# Motorized Pulley 113LP

Ø 4.47 in. (113 mm), planetary gearbox  
in polymer or polymer / steel combination



Power & Speed Combinations: 3 phase														
Power HP	Poles	FLA (amps) <sup>1</sup>	No. Gear Stages	Gear Ratio	Nominal belt speed at Full Load 60 Hz fpm <sup>2</sup>	Actual belt speed at Full Load 60 Hz fpm <sup>2</sup>	Belt Pull lbs	Max.Radial Load T1 + T2 lbs <sup>3</sup>	RL in					
0.08	4	0.8/ 0.4	4	267.7	6	6	202*	450	min 10.43 max 47.24					
				204.5	8	8	199*							
				120.2	12	12	187							
				92.9	14	16	141							
			3	63.4	26	24	94							
				48.4	30	30	75							
				37.3	38	40	56							
				28.6	48	52	43							
				24.9	60	62	36							
				21.9	76	72	31							
				2	14.9	96	100		22					
					11.3	150	139		16					
0.16	4	1.0/ 0.7	3	63.4	24	24	187	450	min 10.43 max 47.24					
				48.4	30	30	150							
				37.3	38	40	112							
				28.6	48	52	87							
				24.9	60	62	72							
				21.9	76	72	62							
			2	14.9	96	100	45							
				11.3	150	139	33							
				9.9	165	163	28							
				0.24	4	1.3/ 0.9	3	37.3		38	40	169	450	min 11.22 max 47.24
								28.6		48	52	130		
								24.9		60	62	109		
2	21.9	76	72				94							
	14.9	96	100				67							
	11.3	150	139				49							
340	9.9	165	163	42										
	8.7	192	183	37										
	7.5	240	211	32										
	0.34	4	1.6/ 1.2	3	28.6	48	52	180	450	min 10.87 max 47.24				
					24.9	60	62	151						
21.9					76	72	130							
2				14.9	96	100	94							
				11.3	150	139	68							
				9.9	165	163	58							
340	8.7	192	183	52										
	7.5	240	211	45										
	0.5	4	2.1/ 1.2	3	21.9	76	72	193	450	min 11.81 max 47.24				
14.9					96	100	139							
2				11.3	150	139	100							
				9.9	165	163	86							
				8.7	192	183	76							
				7.5	240	211	66							

1 FLA = full load amps at 230 volts & 460 volts, respectively.

2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. Note that actual belt speed increases when lagging is used due to increased pulley diameter.

3 Pulley must not be subjected to radial load exceeding "Maximum Radial Load" defined above.

\* Note that belt pull is restricted in certain (slow speed) cases. Contact Rulmeca for more information.



## Motorized Pulley 113LP

Ø 4.47 in. (113 mm), planetary gearbox  
in polymer or polymer / steel combination

Power & Speed Combinations: 1 phase									
Power HP	Poles	FLA (amps) <sup>1</sup>	No. Gear Stages	Gear Ratio	Actual belt speed at Full Load 60 Hz fpm <sup>2</sup>	Nominal belt speed at Full Load 60 Hz fpm <sup>2</sup>	Belt Pull lbs	Max. Radial Load T1 + T2 lbs <sup>3</sup>	RL in
0.16	4	2.5/ 0.9	3	63.4	24	24	187	450	min 10.24 max 47.24
				48.4	30	30	150		
				37.3	38	40	112		
				28.6	48	52	87		
				24.9	60	62	72		
				21.9	76	72	62		
			2	14.9	96	100	45	340	min 10.12 max 47.24
				11.3	150	139	33		
				9.9	165	163	28		
			0.24	4	2.9/ 2.3	3	37.3	38	40
28.6	48	52					130		
24.9	60	62					109		
21.9	76	72					94		
2	14.9	96				100	67	340	min 10.75 max 47.24
	11.3	150				139	49		
	9.9	165				163	42		
	8.7	192				183	37		
	7.5	240				211	32		
0.34	4	4.6/ 1.9	3	28.6	48	52	180	450	min 11.69 max 47.24
				24.9	60	62	151		
				21.9	76	72	130		
			2	14.9	96	100	94	340	min 11.54 max 47.24
				11.3	150	139	68		
				9.9	165	163	58		
				8.7	192	183	52		
				7.5	240	211	45		

- 1 FLA = full load amps at 115 volts & 230 volts, respectively.
- 2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. Note that actual belt speed increases when lagging is used due to increased pulley diameter.
- 3 Pulley must not be subjected to radial load exceeding "Maximum Radial Load" defined above.