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)[1]**	**No. Gear Stages**	**Gear Ratio**	**Nominal belt speed at Full Load 60 Hz fpm[2]**	**Actual belt speed at Full Load 60 Hz fpm[2]**	**Belt Pull lbs**	**Max.Radial Load T1 + T2 lbs[3]**	**RL in**
0.08	4	0.8/ 0.4	4	267.7	6	6	202*	450	min 10.08 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	340	
				11.3	150	139	16		
0.16	4	1.0/ 0.7	3	63.4	24	24	187	450	min 10.08 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	
				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 10.08 max 47.24
				28.6	48	52	130		
				24.9	60	62	109		
				21.9	76	72	94		
			2	14.9	96	100	67	340	
				11.3	150	139	49		
				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	340	
				11.3	150	139	68		
				9.9	165	163	58		
				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 11.57 max 47.24
			2	14.9	96	100	139	340	
				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)[1]**	**No. Gear Stages**	**Gear Ratio**	**Actual belt speed at Full Load 60 Hz fpm[2]**	**Nominal belt speed at Full Load 60 Hz fpm[2]**	**Belt Pull lbs**	**Max. Radial Load T1 + T2 lbs[3]**	**RL in**
0.08	4	NA/ 0.07	4	267.7	6	6	202*	450	min 10.08 max 47.24
				204.5	8	8	199*		
				120.2	12	12	187		
				92.9	14	16	141		
			3	63.4	24	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	340	
				11.3	150	139	16		
0.16	4	2.5/ 0.09	3	63.4	24	24	187	450	min 10.08 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	
				11.3	150	139	33		
				9.9	165	163	28		
0.24	4	2.9/ 2.3	3	37.3	38	40	169	450	min 10.87 max 47.24
				28.6	48	52	130		
				24.9	60	62	109		
				21.9	76	72	94		
			2	14.9	96	100	67	340	
				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 11.57 max 47.24
				24.9	60	62	151		
				21.9	76	72	130		
			2	14.9	96	100	94	340	
				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.

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