



Motorized Pulley 113LS

Ø 4.53 in. (113 mm), with helical steel gearbox

Power & Speed Combinations: 3 phase																
Power HP	Poles (rpm)	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							
0.05	12 (540)	0.88/0.47	3	42.66	12	15	100	1470	min 9.84 max 55.12							
				36.35	14	17	85									
				31.36	18	20	73									
0.09	12 (520)	1.11/0.63	3	42.66	12	14	207	1470	min 11.81 max 55.12							
				36.35	14	17	177									
				31.36	18	19	152									
0.11	8 (825)	0.97/0.56	3	42.66	24	23	149	1470	min 9.84 max 55.12							
0.13	6 (1100)	0.87/0.44	3	42.66	26	30	140	1470								
				36.35	30	35	119									
				31.36	38	41	103									
				27.32	48	47	90									
				23.99	52	53	79									
2	15.17	76	84	50	1020	70	1470									
								12.92		96	99	42				
								11.15		120	115	37				
0.20	8 (810)	1.47/0.78	3	42.66	24	22	285	1470		min 11.81 max 55.12						
				36.35	26	26	243									
				31.36	30	30	210									
	4 (1700)	1.02/0.55	3	42.66	48	46	136	1470	min 9.84 max 55.12							
				36.35	52	54	116									
				31.36	60	63	100									
				2	27.32	72	72	87		1020	67	1470				
													23.99	76	83	76
													21.18	90	93	67
													15.17	120	131	48
													12.92	150	153	41
													11.15	165	178	36
0.25	6 (1120)	1.40/0.70	3	42.66	30	31	275	1470	min 11.81 max 55.12							
				31.36	38	42	202									
				27.32	48	48	176									
				23.99	52	54	155									
				21.18	60	62	137									
			2	15.17	76	86	98	1020		83	1470					
												12.92	96	101	83	
												11.15	120	117	72	

Refer to page 39 for all footnotes cited on page 38.

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Power HP	Poles (rpm)	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
0.33	2 (3430)	1.12/0.57	3	42.66	90	94	108	1020	min 9.84 max 55.12
				36.35	96	110	92		
				31.36	120	127	79		
				27.32	150	146	69		
			2	23.99	165	167	61	770	
				21.18	192	189	53		
				15.17	240	263	38		
				12.92	300	309	33		
0.40	4 (1700)	1.66/0.87	3	42.66	48	46	272	1470	min 11.81 max 55.12
				36.35	52	54	232		
				31.36	60	63	200		
				27.32	72	72	174		
			2	23.99	76	83	153	1020	
				21.18	90	93	135		
				15.17	120	131	97		
				12.92	150	153	82		
0.50	4 (1680)	2.03/1.01	3	42.66	48	46	339	1470	min 11.81 max 55.12
				36.35	52	54	289		
				31.36	60	62	249		
				27.32	72	72	217		
			2	23.99	76	82	191	1020	
				21.18	90	92	168		
				15.17	120	129	121		
	2 (3470)	1.51/0.76	3	12.92	150	151	103	770	
				11.15	165	175	89		
				21.18	192	191	82		
			2	15.17	240	266	58	770	
				12.92	300	313	50		
				11.15	384	362	43		
				42.66	90	94	246		
3	36.35	96	110	210					
	31.36	120	128	181					
	27.32	150	147	158					
	23.99	165	167	138					
	21.18	192	189	122					
	15.17	240	264	88	770				
2	12.92	300	310	75					
	11.15	384	359	64					

- 1 FLA = full load amps at 230volts and 460 volts, respectively.
- 2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. See "Actual Speed vs Nominal Speed" section in Technical Precautions. 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. See "Belt Tension" section in Technical Precautions.