



Motorized Pulley 165LS

Ø 6.50 in. (165 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			
0.15	12 (570)	1.9/0.9	3	75.03	12	13	358	2500	min 15.75 max 78.74			
				61.56	14	16	294					
				49.75	18	19	238					
			2	37.93	24	26	181					
0.50	6 (1135)	1.7/1.0	3	75.03	24	26	606	4300	min 15.75 max 78.74			
				61.56	30	31	497					
				49.75	38	39	402					
	4 (1690)	2.0/1.0	3	61.56	48	47	334	2500	min 13.78 max 78.74			
				49.75	60	58	270					
				37.93	76	76	206					
				30.05	96	95	163					
			2	23.76	120	121	129					
				19.20	150	149	104					
				14.64	192	196	79					
				11.60	240	247	63	1700				
1.00	6 (1155)	4.8/2.4	3	61.56	30	32	990	4300	min 15.75 max 78.74			
				46.23	38	42	743					
	4 (1720)	3.6/1.8	3	61.56	48	47	665	2500	min 15.75 max 78.74			
				49.75	60	59	537					
				37.93	76	77	409					
				30.05	96	97	324					
			2	23.76	120	123	257					
				19.20	150	152	207					
				14.64	192	200	158					
				11.60	240	252	125					
1.50	4 (1725)	5.0/2.5	3	61.56	48	48	972	2500	min 15.75 max 78.74			
				46.23	60	63	730					
				37.93	76	77	599					
	3	4.2/2.1	61.56	96	95	486						
			49.75	120	118	393						
			37.93	150	154	299						
			30.05	192	195	237						
			2	23.76	240	247	188					
				19.20	300	305	152					
				14.64	392	400	116					
	11.60	480		505	92							
					9.43	600	621			74	1700	

Refer to page 59 for all footnotes cited on page 58.

Motorized Pulley 165LS

Ø 6.50 in. (165 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
2.00	2 (3475)	5.7/2.8	3	75.03	76	75	815	2500	min 15.75 max 78.74
				61.56	96	96	658		
				46.23	120	128	494		
				37.93	150	156	405		
				30.05	192	196	321		
			2	23.76	240	248	254	1700	
				19.20	300	307	205		
				14.64	384	403	156		
				11.60	480	509	124		
				9.43	600	626	101		
7.80	768	757	83	1600					
3.00	2 (3460)	8.0/4.0	3	46.23	120	127	728	2500	min 16.93 max 78.74
				37.93	150	155	597		
				30.05	192	196	473		
				24.43	240	240	385		
				20.21	300	291	318		
			2	14.64	392	401	230	1700	
				11.60	480	506	183		
				9.43	600	623	148		
				7.80	768	753	123		
				7.80	768	753	123		

- 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.