



# Motorized Pulley 165LS

Ø 6.50 in. (165 mm), helical steel gearbox

Power & Speed Combinations: 3 phase									
Power HP	Poles (rpm)	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
0.15	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		
	2 (3450)	4.2/ 2.1	3	61.56	96	95	486	1700	
				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			

Refer to page 65 for all footnotes cited on page 64.

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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		
			2	20.21	300	291	318	1700	
				14.64	392	401	230		
				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.