



Motorized Pulley 80LS

Ø 3.21 in. (80 mm), 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	4 (1670)	0.52/0.27	3	53.89	26	26	57	810	min 7.87 max 47.24
				37.78	38	38	40		
				30.88	48	45	33		
			2	21.23	72	66	22	600	
0.09	4 (1630)	0.79/0.40	3	53.89	26	26	116	810	min 9.84 max 47.24
				37.78	38	35	82		
				30.88	48	45	67		
			2	21.23	60	64	46	600	
				14.88	90	92	32		
				12.16	120	111	26		
	2 (3180)	0.60/0.31	3	53.89	52	50	60	600	min 7.87 max 47.24
				37.78	72	71	42		
30.88				90	85	34			
2			21.23	120	125	24	475		
0.16	2 (3230)	0.78/0.35	3	53.89	52	50	101	600	min 9.84 max 47.24
				37.78	72	71	71		
				30.88	90	87	58		
			2	21.23	120	128	40	475	
				14.88	180	182	28		
				12.16	220	222	23		
0.21	2 (3180)	0.70/0.46	3	53.89	52	50	137	600	min 11.81 max 47.24
				37.78	72	71	96		
				30.88	90	85	78		
			2	21.23	120	125	54	475	
				14.88	180	179	38		
				12.16	220	217	31		

- 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.