



Motorized Pulley 138LS

Ø 5.45 in. (138 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
0.13	12 (550)	1.5/0.7	3	78.40	10	10	424	1870	min 11.81 max 72.83
				66.00	12	12	357		
				52.96	14	15	287		
			2	29.56	24	26	160		
0.25	8 (835)	2.1/1.1	3	66.00	18	18	424	1870	min 11.81 max 72.83
				52.96	24	22	340		
				43.65	30	27	280		
			2	29.56	38	40	190	1090	
				25.20	48	47	162		
0.33	6 (1140)	1.5/0.7	3	66.00	24	24	414	1870	min 11.81 max 72.83
				52.96	30	30	332		
				43.65	38	37	274		
			2	29.56	48	54	185	1090	
				25.20	60	64	158		
				20.22	76	80	127		
0.50	6 (1145)	2.5/1.2	3	51.85	30	31	499	1870	min 12.60 max 72.83
	4 (1710)	2.2/1.1		66.00	38	37	425	1090	min 11.81 max 72.83
				52.96	48	46	341		
				43.65	60	55	281		
			29.56	76	82	190			
			25.20	96	96	162			
			20.22	120	119	130			
			16.67	150	145	107			
			12.44	192	194	80	820		
0.75	2 (3380)	2.4/1.2	3	77.41	60	62	375	1090	min 11.81 max 72.83
				66.00	76	72	320		
				52.96	96	90	257		
				43.65	120	109	211		
			2	29.56	150	161	143	820	
				25.20	192	189	122		
				20.22	240	236	98		
				16.67	300	286	81		
				12.44	384	384	60		
1.00	4 (1690)	3.6/1.8	3	52.96	48	45	700	1090	min 12.60 max 72.83
				43.65	60	55	577		
				32.59	76	73	431		
				25.20	96	95	333		
			2	20.22	120	118	267		
				16.67	150	143	220		
	2 (3450)	3.0/1.5	2	25.20	192	193	163	820	min 13.78 max 72.83
				20.22	240	241	131		
				16.67	300	292	108		
				12.44	384	392	81		

Refer to page 49 for all footnotes cited on page 48.

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1.33	2 (3440)	4.0/2.0	3	52.96	96	92	458	1090	min 13.78 max 72.83
				43.65	120	111	378		
				29.56	150	164	256		
			2	25.20	192	193	218	820	
				20.22	240	240	175		
				16.67	300	291	144		
				12.44	384	390	108		
				10.00	480	486	87		

- 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.