



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					
	2	20.22	120	119	130	820					
		16.67	150	145	107						
		12.44	192	194	80						
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			820	min 13.78 max 72.83
				16.67	150	143	220				
	2 (3450)	3.0/1.5	2	25.20	192	193	163				
				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.