



Motorized Pulley 138LS

Ø 5.45 in. (138 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		
0.13	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				
				25.20	48	47	162	1090			
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
		52.96			48	46	341				
		43.65	60	55	281						
		2	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	3.0/ 1.5	2	20.22	120	118	267	820		min 13.78 max 72.83	
				16.67	150	143	220				
				25.20	192	193	163				
				20.22	240	241	131				
				16.67	300	292	108				
				12.44	384	392	81				

Refer to page 57 for all footnotes cited on page 56.

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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.