

Motorized Pulley 138LP

Ø 5.32 in. (135 mm), planetary gearbox
in polymer or polymer / steel combination



Power & Speed Combinations: 3 phase												
Power HP	Poles	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	Belt Pull lbs	Max. Radial Load T1 + T2 lbs ³	RL in			
0.08	4	0.38/ 0.22	4	316.8	8	7	397	450	min 11.02 max 47.72			
				185.1	12	11	232					
				141.4	14	15	177					
				108.0	18	20	135					
			3	74.3	30	28	93					
				56.6	38	37	71					
				43.1	48	49	54					
				32.7	60	64	41					
				28.4	76	74	36					
				24.6	90	86	31					
				21.3	96	99	27					
				2	16.8	120	125			21	340	min 10.83 max 47.72
			0.16	4	0.7/ 0.5	4	185.1			12	11	464
141.4	14	15					355					
108.0	18	20					271					
3	74.3	30				28	186					
	56.6	38				37	142					
	43.1	48				49	108					
	32.7	60				64	82					
	28.4	76				74	71					
	24.6	90				86	62					
	21.3	96				99	53					
2	16.8	120				125	42	340	min 11.61 max 47.72			
	12.6	165				167	32					
	10.9	192				194	27					
	9.4	220				223	24					
	8.1	240				260	20					
0.24	4	1.0/ 0.6				4	141.4	14	15	532	450	min 12.20 max 47.72
							108.0	18	20	406		
			3	74.3	30	28	279					
				56.6	38	37	213					
				43.1	48	49	162					
				32.7	60	64	123					
				28.4	76	74	107					
				24.6	90	86	92					
			2	21.3	96	99	80	340	min 12.01 max 47.72			
				16.8	120	125	63					
				12.6	165	167	48					
				10.9	192	194	41					
				9.4	220	223	36					
				8.1	240	260	30					

- 1 FLA = full load amps at 230 volts & 460 volts, respectively.
- 2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. 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.
- * Note that belt pull is restricted in certain (slow speed) cases. Contact Rulmeca for more information.



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0.34	4	1.3/ 0.75	4	108.0	18	20	575	450	min 12.60 max 47.72					
				3	74.3	30	28			396				
			56.6		38	37	302							
			43.1		48	49	230							
			32.7		60	64	174							
			28.4		76	74	151							
			24.6		90	86	131							
			21.3		96	99	113							
			2	16.8	120	125	90							
				12.6	165	167	67							
				10.9	192	194	58							
				9.4	220	223	50							
				8.1	240	260	43							
			0.5	4	2.4/ 1.4	3	74.3			30	28	582	450	min 12.99 max 47.72
56.6	38	37					444							
43.1	48	49					338							
32.7	60	64					256							
28.4	76	74					222							
24.6	90	86					192							
21.3	96	99					167							
2	16.8	120				125	132							
	12.6	165				167	99							
	10.9	192				194	85							
	9.4	220				223	74							
	8.1	240				260	63							
0.74	4	2.9/ 1.7				3	43.1	48	49	500	450	min 13.39 max 47.72		
							32.7	60	64	380				
			28.4	76	74		329							
			24.6	90	86		285							
			21.3	96	99		246							
			2	16.8	120	125	195							
				12.6	165	167	147							
				10.9	192	194	126							
				9.4	220	223	109							
				8.1	240	260	94							

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Power & Speed Combinations: 1 phase											
Power HP	Poles	FLA (amps) ¹	No. Gear Stages	Gear Ratio	Nominal belt speed at Full Load 60 Hz ²	Actual belt speed at Full Load 60 Hz fpm	Belt Pull lbs	Max. Radial Load T1 + T2 lbs ³	RL in		
0.12	4	0.7	4	185.08	12	11	348	450	min 11.42 max 47.74		
				141.38	14	15	266				
				107.95	18	20	203				
			3	74.27	30	28	140				
				56.60	38	37	106				
				43.07	48	49	81				
				32.72	60	64	62				
				28.36	76	74	53				
				24.56	90	86	46				
				21.25	96	99	40				
			2	16.83	120	125	32			340	min 11.22 max 47.72
				12.64	165	167	24				
10.88	192	194		20							
9.44	220	223		18							
0.16	4	1.05	4	185.08	12	11	464	450	min 11.42 max 47.72		
				141.38	14	15	355				
				107.95	18	20	271				
			3	74.27	30	28	186				
				56.60	38	37	142				
				43.07	48	49	108				
				32.72	60	64	82				
				28.36	76	74	71				
				24.56	90	86	62				
				21.25	96	99	53				
			2	16.83	120	125	42		340	min 11.61 max 47.72	
				12.64	165	167	32				
10.88	192	194		27							
9.44	220	223		24							
8.09	240	260		20							
0.24	4	1.6	4	141.38	14	15	532	450	min 11.81 max 47.72		
				107.95	18	20	406				
			3	74.27	30	28	279				
				56.60	38	37	213				
				43.07	48	49	162				
				32.72	60	64	123				
				28.36	76	74	107				
				24.56	90	86	92				
			2	21.25	96	99	80		340	min 12.60 max 47.72	
				16.83	120	125	63				
				12.64	165	167	48				
				10.88	192	194	41				
9.44	220	223		36							
8.09	240	260		30							

1 FLA = full load amps at 230 volts.
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0.34	4	2.1	4	107.95	18	20	575	450	min 12.40 max 47.72				
				3	74.27	30	28		396	min 12.99 max 47.72			
			56.60		38	37	302						
			43.07		48	49	230						
			32.72		60	64	174						
			28.36		76	74	151						
			24.56		90	86	131						
			2	21.25	96	99	113						
				16.83	120	125	90		340	min 12.80 max 47.72			
				12.64	165	167	67						
				10.88	192	194	58						
				9.44	220	223	50						
				8.09	240	260	43						
			0.5	4	2.6	3	74.27				30	28	582
56.60	38	37					444						
43.07	48	49					338						
32.72	60	64					256						
28.36	76	74					222						
24.56	90	86					192						
2	21.25	96				99	167	340	min 13.19 max 47.72				
	16.83	120				125	132						
	12.64	165				167	99						
	10.88	192				194	85						
	9.44	220				223	74						
	8.09	240				260	63						
0.67	4	3.6				3	56.60	38	37	594	450	min 13.78 max 47.72	
							43.07	48	49	452			
			32.72	60	64		344						
			28.36	76	74		298						
			24.56	90	86		258						
			21.25	96	99		223						
			2	16.83	120	125	177	340	min 13.58 max 47.72				
				12.64	165	167	133						
				10.88	192	194	114						
				9.44	220	223	99						
				8.09	240	260	85						

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