

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 10.71 max 47.72
				185.1	12	11	232		
				141.4	14	15	177		
				108.0	18	20	135		
			3	74.3	30	28	93	450	min 10.04 max 47.72
				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		
			0.16	4	0.7/ 0.5	4	185.1	12	11
141.4	14	15					355		
108.0	18	20					271		
3	74.3	30				28	186	450	min 10.63 max 47.72
	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		
	16.8	120				125	42		
2	12.6	165				167	32	340	min 10.51 max 47.72
	10.9	192				194	27		
	9.4	220				223	24		
	8.1	240				260	20		
	8.1	240				260	20		
0.24	4	1.0/ 0.6	4	141.4	14	15	532	450	min 11.89 max 47.72
				108.0	18	20	406		
			3	74.3	30	28	279	450	min 11.22 max 47.72
				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		
				21.3	96	99	80		
			2	16.8	120	125	63	340	min 11.10 max 47.72
				12.6	165	167	48		
				10.9	192	194	41		
				9.4	220	223	36		
				8.1	240	260	30		
				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.



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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			
0.34	4	1.3/ 0.75	4	108.0	18	20	575	450	min 12.32 max 47.72			
			3	74.3	30	28	396	450	min 11.69 max 47.72			
				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	340	min 11.50 max 47.72			
				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 12.09 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	340	min 11.89 max 47.72			
	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 12.83 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	340	min 12.64 max 47.72			
				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			
0.16	4	1.05	4	185.08	12	11	464	450	min 11.10 max 47.72			
				141.38	14	15	355					
				107.95	18	20	271					
			3	74.27	30	28	186		450	min 10.35 max 47.72		
				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 10.28 max 47.72			
				12.64	165	167	32					
				10.88	192	194	27					
				9.44	220	223	24					
			0.24	4	1.6	4	141.38	14	15	532	450	min 11.69 max 47.72
							107.95	18	20	406		
3	74.27	30				28	279	450	min 11.10 max 47.72			
	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 10.91 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					

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0.34	4	2.1	4	107.95	18	20	575	450	min 12.52 max 47.72
				3	74.27	30	28		
			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		
			21.25	96	99	113			
			2	16.83	120	125	90	340	min 11.81 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	450	min 12.05 max 47.72
				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		
				21.25	96	99	167		
			2	16.83	120	125	132	340	min 11.85 max 47.72
				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
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 12.64 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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