



Motorized Pulley 630M & 630H, Ø 24.80 in. (630 mm) 60 Hz

Motor		No. Gear Stages	Model	Nominal belt speed ¹ at Full Load 60 Hz fpm	Actual belt speed ¹ at Full Load 60 Hz fpm	Belt Pull ² lbs	Max. Radial Load ³ T1 + T2 lbs	Min. RL in	RL Dimension inches (RL>78.74" available on request) Weight in lbs ⁵										Type of Bracket			
Power HP	No. of Poles								29.53	31.50	33.46	35.43	37.40	39.37	41.34	43.31	45.28	longer than 45.28				
7.5	8	2	630M	150 192 240	157 200 267	1473 1155 866	10,300	29.53	907	929	951	972	994	1019	1041	1064	1086	See Note ⁴ AL65 & ALO65				
	6	2	630M	300 384 480 600 760	351 390 487 594 782	659 591 475 388 296																
10	8	2	630M	150 192 240	157 200 267	2009 1574 1181			927	949	970	992	1014	1039	1061	1084	1106		See Note ⁴ AL65 & ALO65			
	6	2	630M	300 384 480 600 760	351 390 487 594 782	899 807 647 530 404																
15	6	2	630M	240 300 384 480 600 760	267 351 390 487 594 782	1733 1318 1183 949 777 591			960	982	1006	1027	1049	1074	1096	1119	1141			See Note ⁴ AL65 & ALO65		
				300 384 480 600 760	313 401 526 586 730	2003 1574 1199 1075 863																
20	4	2	630M	384 480 600 760	400 526 586 730	1959 1478 1327 1064			1006	1028	1052	1074	1096	1121	1142	1165	1187				See Note ⁴ AL65 & ALO65	
				384 480 600 760	400 526 586 730	1959 1478 1327 1064																
25	4	2	630M	384 480 600 760	400 526 586 730	1959 1478 1327 1064			1006	1028	1052	1074	1096	1121	1142	1165	1187					See Note ⁴ AL65 & ALO65
				384 480 600 760	400 526 586 730	1959 1478 1327 1064																
30	2	2	630M	600 760	627 800	1473 1155	1006	1028	1052	1074	1096	1121	1142	1165	1187	See Note ⁴ AL65 & ALO65						
				600 760	627 800	1473 1155																

Standard RL →

Motor		No. Gear Stages	Model	Nominal belt speed ¹ at Full Load 60 Hz fpm	Actual belt speed ¹ at Full Load 60 Hz fpm	Belt Pull ² lbs	Max. Radial Load ³ T1 + T2 lbs	Min. RL in	RL Dimension inches (RL>78.74" available on request) Weight in lbs ⁵								Type of Bracket				
Power HP	No. of Poles								37.40	39.37	41.34	43.31	45.28	47.24	49.21	51.18		longer than 51.18			
30	8	2	630H	240 300 384 480 600 760	247 314 408 492 639 783	3745 2946 2268 1879 1449 1182	16,600	37.40	1819	1850	1879	1910	1939	1963	1995	2025	See Note ⁴ AL90 & ALO90				
				240 300 384 480 600 760	247 314 408 492 639 783	5107 4018 3093 2563 1975 1611															
40	8	2	630H	240 300 384 480 600 760	247 314 408 492 639 783	5107 4018 3093 2563 1975 1611	22,000	37.40	1863	1894	1923	1955	1983	2007	2039	2069		See Note ⁴ AL90 & ALO90			
				300 384 480 600 760	330 418 544 656 851	4723 3717 2861 2370 1828															
50	6	2	630H	300 384 480 600 760	330 418 544 656 851	4723 3717 2861 2370 1828	22,000	37.40	1863	1894	1923	1955	1983	2007	2039	2069			See Note ⁴ AL90 & ALO90		
				480 600 760	493 627 815 984	3830 3013 2321 1922															
61	4	2	630H	480 600 760 960	493 627 815 984	3830 3013 2321 1922	19,900	37.40	1907	1939	1967	1999	2027	2051	2083	2114				See Note ⁴ AL90 & ALO90	
				600 760 960	627 815 984	3683 2836 2349															
75	4	2	630H	600 760 960	627 815 984	3683 2836 2349	19,900	37.40	1907	1919	1967	1999	2027	2051	2083	2114					See Note ⁴ AL90 & ALO90
				600 760 960	627 815 984	3683 2836 2349															

Standard RL →

Idler Pulley		Model UT500H	10,300	29.53	578	600	638	658	677	697	716	735	See Note ⁴	AL65 & ALO65
		Model UT502H	22,000	29.53	669	691	711	733	753	775	797	818		

- Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 3/8" thick rubber) to assist with process design calculations. See Technical Precautions page 79. Note that "actual belt speed" decreases when lagging is not used due to decreased pulley diameter.
- Belt pull value allows for gearbox loss.
- Pulley must not be subjected to radial load exceeding "Maximum radial load" defined above. See "Belt Tension" section in Technical Precautions, page 80.
- Additional Motorized Pulley and Idler weight: Model 630M: 45.28" ≤ RL ≤ 78.74" Wt = 11.2 lbs/in; Model 630H: 51.18" ≤ RL ≤ 78.74" Wt = 15.8 lbs/in.
- All weights shown above include mounting brackets and are for pulleys "fully lagged" with 3/8" thick rubber. For model 630H "partially lagged" pulleys add 4% to 7% to the weights shown above. See pages 47, 82 and 83 for "partial lagging." To calculate unlagged pulley weight subtract 1.2 lbs/in of Roller Length from above.