



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)										Type of Bracket																																																																																									
Power HP	No. of Poles								Weight in lbs ⁵																																																																																																			
										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														See Note ⁴	AL65 & ALO65																																																																																					
	6	2	630M	300 384 480 600 768	351 390 487 594 782	659 591 475 388 296																		907	929	951	972	994	1019	1041	1064	1086																																																																												
10	8	2	630M	150 192 240	157 200 267	2009 1574 1181																																																																																																						
	6	2	630M	300 384 480 600 768	351 390 487 594 782	899 807 647 530 404																																			927	949	970	992	1014	1039	1061	1084	1106																																																											
15	6	2	630M	240 300 384 480 600 768	267 351 390 487 594 782	1733 1318 1183 949 777 591																																																																																																						
				6	2	630M																																																				300 384 480 600 768	313 401 526 586 730	2003 1574 1199 1075 863	960	982	1006	1027	1049	1074	1096	1119	1141																																							
20	4	2	630M	384 480 600 768	400 526 586 730	1959 1478 1327 1064																																																																																																						
				4	2	630M																																																																					300 384 480 600 768	313 401 526 586 730	2003 1574 1199 1075 863	984	1006	1030	1052	1074	1099	1120	1143	1165																						
25	4	2	630M	384 480 600 768	400 526 586 730	1959 1478 1327 1064																																																																																																						
				4	2	630M																																																																																						300 384 480 600 768	313 401 526 586 730	2003 1574 1199 1075 863	1006	1028	1052	1074	1096	1121	1142	1165	1187					
30	2	2	630M	600 768	627 800	1473 1155																																																																																																						
				2	2	630M																																																																																																						

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)								Type of Bracket																																																																																	
Power HP	No. of Poles								Weight in lbs ⁵																																																																																									
										37.40	39.37	41.34	43.31	45.28	47.24	49.21	51.18	longer than 51.18																																																																																
30	8	2	630H	240 300 384 480 600 768	247 314 408 492 639 783	3745 2946 2268 1879 1449 1182	16,600	37.40																																																																																										
				8	2	630H																		240 300 384 480 600 768	247 314 408 492 639 783	5107 4018 3093 2563 1975 1611	1819	1850	1879	1910	1939	1963	1995	2025																																																																
40	8	2	630H	240 300 384 480 600 768	247 314 408 492 639 783	5107 4018 3093 2563 1975 1611																		22,000	37.40																																																																									
				8	2	630H																																			300 384 480 600 768	330 418 544 656 851	4723 3717 2861 2370 1828	1863	1894	1923	1955	1983	2007	2039	2069																																															
50	6	2	630H	300 384 480 600 768	330 418 544 656 851	4723 3717 2861 2370 1828																																			22,000	37.40																																																								
				6	2	630H																																																				480 600 768 960	493 627 815 984	3830 3013 2321 1922	1863	1894	1923	1955	1983	2007	2039	2069																														
61	4	2	630H	480 600 768 960	493 627 815 984	3830 3013 2321 1922																																																				19,900	37.40																																							
				4	2	630H																																																																					600 768 960	627 815 984	3830 3013 2321 1922	1907	1939	1967	1999	2027	2051	2083	2114													
75	4	2	630H	600 768 960	627 815 984	3830 3013 2321 1922																																																																					19,900	37.40																						
				4	2	630H																																																																																						600 768 960	627 815 984	3830 3013 2321 1922	1907	1919	1967	1999

Idler Pulley		Model	Weight	Min. RL	RL Dimension inches								Type of Bracket	
		UT500H	10,300	29.53	578	600	638	658	677	697	716	735	See Note ⁴	AL65 & ALO65
		UT502H	22,000	29.53	669	691	711	733	753	775	797	818		

1 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 77. Note that "actual belt speed" decreases when lagging is not used due to decreased pulley diameter.

2 Belt pull value allows for gearbox loss.

3 Pulley must not be subjected to radial load exceeding "Maximum radial load" defined above. See "Belt Tension" section in Technical Precautions, page 78.

4 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.

5 All weights shown above 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 page 80 for "partial lagging." To calculate unlagged pulley weight subtract 1.2 lbs/in of Roller Length from above.