



Motorized Pulley 400L, Ø 15.91 in. (404 mm)

60 Hz

Motor			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	No. Gear Stages							Weight in lbs ⁵											
									19.69	21.65	23.62	25.59	27.56	29.53	31.50	33.46	35.43	37.40	longer than 37.40	
3	4	2	400L	192	201	460	4496	19.69	276	288	300	312	324	337	349	361	373	385	See Foot-note ⁴	KL41-HD 6YA0K
				240	240	385														
				300	303	305														
				384	395	234														
				480	498	186														
600	613	151																		
4	4	2	400L	150	163	771	4496	19.69	276	288	300	312	324	337	349	361	373	385	See Foot-note ⁴	KL41-HD 6YA0K
				192	201	627														
				240	240	524														
				300	303	416														
				384	395	319														
480	498	253																		
600	613	206																		
5.5	4	2	400L	192	201	836	4496	19.69	298	310	322	334	346	359	371	383	395	407	See Foot-note ⁴	KL41-HD 6YA0K
				240	240	700														
				300	303	554														
				384	395	425														
				480	498	338														
600	613	274																		
7.5	4	2	400L	300	303	778	4496	19.69	298	310	322	334	346	359	371	383	395	407	See Foot-note ⁴	KL41-HD 6YA0K
				384	395	598														
				480	498	474														
				600	613	386														
				384	T402	784														
480	481	655																		
600	607	520																		
760	791	399																		

← Special RL | Standard RL →

Idler Pulley	Model UT400L	4496	19.69	188	200	212	224	236	249	261	273	285	297	See Foot-note ⁴	KL41-HD 6YA0K

- 1 Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 5/16" 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.
- 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 80.
- 4 Additional Motorized Pulley and Idler Pulley weight, specified per Roller Length: 37.40" ≤ RL ≤ 78.74" Wt = 6.2 lbs/in.
- 5 All weights shown above are for pulleys with 5/16" thick lagging and do not include mounting brackets. To calculate unlagged pulley weight subtract 0.6 lbs/in of Roller Length from above.



Motorized Pulley 400M & 400H, Ø 15.91 in. (404 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																				
									23.62	25.59	27.56	29.53	31.50	33.46	35.43	37.40	39.37	longer than 39.37											
3	8	3	400H	38 48 60	44 54 64	2121 1725 1442	11,250	25.59	-	533	547	563	577	591	605	619	634	See Foot-note ⁴	KL60 6YA09										
		2	400M	76 96 120 150 192 240 300 384	82 101 121 152 197 248 307 390	1131 920 770 610 468 371 302 238	9,100	23.62	442	456	470	485	500	514	528	542	557												
5.5	8	3	400H	48 60 76	54 64 81	3137 2623 2079	11,250	25.59	-	553	567	582	597	611	625	639	654			See Foot-note ⁴	KL60 6YA09								
		2	400M	96 120 150 192 240 300 384	101 121 152 197 248 307 390	1673 1399 1108 851 675 548 432	9,100	23.62	462	476	490	505	519	534	548	562	576												
7.5	4	3	400H	76 96 120	87 107 128	2651 2156 1803	11,250	25.59	-	533	547	563	577	591	605	619	634					See Foot-note ⁴	KL60 6YA09						
		2	400M	150 192 240 300 384 480 600 760	163 201 240 303 395 498 613 778	1413 1150 962 762 585 465 377 297	9,100	23.62	442	456	470	485	500	514	528	542	557												
10	6	3	400H	96 120 150	108 140 177	2923 2244 1782	11,250	29.53	-	-	-	602	616	631	645	659	673							See Foot-note ⁴	KL60 6YA09				
	4	2	400M	192 240 300 384 480 600 760	201 240 303 395 498 613 778	1568 1311 1039 798 633 515 405	9,100	23.62	455	469	483	499	513	527	541	556	570												
15	4	3	400H	150 192 240	162 211 265	2859 2194 1742	11,250	29.53	-	-	-	602	616	631	645	659	673									See Foot-note ⁴	KL60 6YA09		
		2	400M	300 384 480 600 760	303 395 498 613 778	1525 1170 929 754 594	9,100	27.56	-	-	510	525	539	554	568	582	596												
20	2	3	400H	192 240 300	214 257 323	2940 2459 1949	11,250	29.53	-	-	-	602	616	631	645	659	673											See Foot-note ⁴	KL60 6YA09
		2	400M	384 480 600 760	402 481 607 791	1568 1311 1039 798	9,100	27.56	-	-	510	525	539	554	568	582	596												

← Special RL | Standard RL →

Idler Pulley	UT400M	9,100	23.62	264	277	294	309	323	333	347	362	376	See Foot-note ⁴	KL60 6YA09
	UT400H	11,250	25.59	-	288	305	320	334	344	358	373	387		

- Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 5/16" 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.
- 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 Pulley weight, specified per Roller Length: 39.37" ≤ RL ≤ 78.74" Wt = 7.3 lbs/in.
- All weights shown above are for pulleys "fully lagged" with 5/16" thick rubber and do not include mounting brackets. For "partially lagged" pulleys add 5% to 10% to the weights shown above. See pages 47, 82 and 83 for "partial lagging." To calculate unlagged pulley weight subtract 0.6 lbs/in of Roller Length from above.