Motorized Pulley 165E, Ø 6.49 in. (165 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_{max} = 70.87") Weight in lbs[5]									Type of Bracket
Power HP	No. of Poles								15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	longer than 31.50	
0.15	12	3	165E	12 14 18 24	14 16 20 26	351 288 233 177	2,097	15.75	66	69	72	76	78	80	83	87	90	See Footnote[4]	KL41-HD 6YA0K
0.50	6	3	165E	24 30	25 30	624 512			68	71	75	78	80	83	86	89	92		
	4	3	165E	38 48 60 76 96	37 48 59 77 98	414 328 265 202 160			64	67	70	73	76	78	81	84	88		
		2	165E	120 150 192	123 152 199	126 102 78													
				240	251	62	1955												
1.00	4	3	165E	38 48 60 76 96	38 48 59 77 98	810 664 537 409 325	2097		70	74	77	80	82	84	88	91	94		
		2	165E	120 150 192	123 152 199	256 207 158													
				240	251	125	1955												
1.50	4	3	165E	60	66	730	2097		75	78	81	84	87	89	92	95	99		
	2	3	165E	76 96 120 150 192	81 99 123 161 203	569 467 378 288 228													
		2	165E	240 300	257 318	180 145	1955												
				384 480 600	416 525 646	111 88 74	1562												
2.00	2	3	165E	120 150 192	123 161 203	515 393 311	2097		77	80	83	87	89	91	94	98	101		
		2	165E	240 300	257 318	246 198	1955												
				384 480 600 768	416 525 651 787	151 120 105 88	1562												
3.00	2	3	165E	120 150 192	132 161 192	717 588 466	2097	17.72	-	84	87	91	93	95	98	102	105		
		3	165E	240 300	250 302	378 314	1955												
		2	165E	384 480 600 768	417 527 648 783	227 180 146 121	1562												

Idler Pulley	Model UT165E	2,097	15.75	33	35	39	43	45	47	50	54	58	See Footnote[4]	KL41-HD 6YA0K

1 Use “nominal belt speed” to specify pulley. “Actual belt speed” is presented (for pulley lagged with 1/8” 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 Pulley weight, specified per inch of Roller Length:

31.50”≤ RL < 45.28” Wt = 1.5 lbs/in

45.28”≤ RL < 64.96” Wt = 2.1 lbs/in

64.96”≤ RL < 70.87” Wt = 2.9 lbs/in

5 All weights shown above are for pulleys with 1/8” thick rubber lagging. To calculate unlagged pulley weight subtract 0.1 lbs/in of Roller Length from above.