Motorized Pulley 138E, Ø 5.45 in. (138 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								11.81	12.60	13.78	15.75	17.72	19.69	21.65	23.62	25.59	longer than 25.59	
0.13	12	3	138E	10 12 14	10 14 16	397 318 263	1,066	11.81	32	33	34	37	40	42	44	46	49	See Foot-note[4]	KL30 S2YAKL
		2	138E	24 30	24 28	178 152													
0.25	8	3	138E	18 24 30	20 24 29	384 309 254													
		2	138E	38 48	44 51	172 147													
0.33	6	3	138E	24 30 38	25 31 38	404 325 265													
		2	138E	48 60 76	55 65 82	182 155 124													
0.50	4	3	138E	38 48 60	38 47 58	412 331 273													
		2	138E	76 96 120 150	85 98 123 150	185 158 126 104													
0.75	2	3	138E	48 60 76 96 120	55 64 74 93 113	416 363 310 249 205													
		2	138E	150 192 240 300	166 196 244 296	139 119 95 78													
1.0	4	3	138E	76 96 120 150	88 104 129 157	357 304 244 201		12.60	-	34	37	41	43	45	47	49	53		
	2	2	138E	192 240 300	207 258 314	152 122 100													

Idler Pulley	Model UT138E	1,066	11.81	15	16	18	21	23	25	27	29	32	See Foot-note[4]	KL30 S2YAKL

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 Roller Length:

25.59”≤ RL < 39.37” Wt = 1.3 lbs/inch

39.37”≤ RL < 59.06” Wt = 1.5 lbs/inch

59.06”≤ RL < 70.87” Wt = 2.0 lbs/inch

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.