












MECHANICAL & ELECTRICAL SPECIFICATIONS

TORQUE CURVES

QUOTE REQUEST

- This table shows recommended motors, which represent our most popular model types and are typically held in stock in Watsonville, CA.
 - Part numbers listed are for single shaft. To order double shaft add "D" to the end of the part number. Example: HT23-393D.
 - All size HT23 motors are optimized for microstepping.

RECOMMENDED MOTORS												
Part #	MOTOR CONNECTION 1=series 2=parallel 3=unipolar	Motor Length (inches)	Minimum Holding Torque (oz-in)	Leads	Step Angle (deg)	Volts	Amps	Ohms	mH	Rotor Inertia (oz-in ² /g-cm ²)	Motor Weight (lbs)	Outline Drawings
HT23-393	1	1.54	76.6	8	1.8	7.4	0.71	10.4	21.6	0.66/120	1.00	PDF
	2		54.2			3.7	1.41	2.6	5.4			
	3		54.2			5.2	1.00	5.2	5.4			
HT23-593	1	1.61	79.3	8	1.8	7.4	0.71	10.4	26.1	0.73/135	0.92	PDF
	2		59.5			3.7	1.41	2.6	6.6			
	3		59.5			5.2	1.00	5.2	6.6			
HT23-394	1	1.54	76.6	8	1.8	4.0	1.41	2.8	5.6	0.66/120	1.00	PDF
	2		54.2			2.0	2.83	0.7	1.4			
	3		54.2			2.8	2.00	1.4	1.4			
HT23-594	1	1.61	76.5	8	1.8	4.0	1.41	2.8	5.6	0.73/135	0.92	PDF
	2		55.2			2.0	2.83	0.7	1.4			
	3		55.2			2.8	2.00	1.4	1.4			
HT23-395	1	1.54	76.6	8	1.8	2.7	2.12	1.3	2.4	0.66/120	1.00	PDF
	2		54.2			1.3	4.24	0.3	0.6			
	3		54.2			1.9	3.00	0.6	0.6			
HT23-595	1	1.61	76.5	8	1.8	2.5	2.12	1.2	2.4	0.73/135	0.92	PDF
	2		53.8			1.3	4.24	0.3	0.6			
	3		53.8			1.8	3.00	0.6	0.6			
HT23-396	1	2.13	177.0	8	1.8	10.2	0.71	14.4	44.0	1.64/300	1.54	PDF
	2		125.0			5.1	1.41	3.6	11.0			
	3		125.0			7.2	1.00	7.2	11.0			
HT23-596	1	2.13	177.0	8	1.8	10.2	0.71	14.4	44.0	1.42/260	1.32	PDF
	2		127.5			5.1	1.41	3.6	11.0			
	3		127.5			7.2	1.00	7.2	11.0			
HT23-397	1	2.13	177.0	8	1.8	5.1	1.41	3.6	10.0	1.64/300	1.54	PDF
	2		125.0			2.5	2.83	0.9	2.5			
	3		125.0			3.6	2.00	1.8	2.5			

HT23-597	1	2.13	177.0	8	1.8	5.0	1.41	3.6	10.8	1.42/260	1.32	
	2					2.5	2.83	0.9	2.7			
	3					3.6	2.00	1.8	2.7			
HT23-398	1	2.13	177.0	8	1.8	3.3	2.12	1.5	4.8	1.64/300	1.54	
	2					1.6	4.24	0.4	1.2			
	3					2.3	3.00	0.8	1.2			
HT23-598	1	2.13	158.6	8	1.8	3.6	2.12	1.7	5.7	1.42/260	1.32	
	2					1.7	4.24	0.4	1.4			
	3					2.7	3.00	0.9	1.4			
HT23-399	1	2.99	264.0	8	1.8	11.6	0.71	16.4	56.0	2.62/480	2.20	
	2					5.8	1.41	4.1	14.0			
	3					8.2	1.00	8.2	14.0			
HT23-599	1	2.99	246.4	8	1.8	11.4	0.71	16.0	61.6	2.51/460	2.20	
	2					5.6	1.41	4.0	15.4			
	3					8.0	1.00	8.0	15.4			
HT23-400	1	2.99	264.0	8	1.8	6.4	1.41	4.5	14.4	2.62/480	2.20	
	2					3.2	2.83	1.1	3.6			
	3					4.5	2.00	2.3	3.6			
HT23-600	1	2.99	264.8	8	1.8	6.4	1.41	4.5	15.6	2.51/460	2.20	
	2					3.2	2.83	1.1	3.9			
	3					4.6	2.00	2.3	3.9			
HT23-401	1	2.99	264.0	8	1.8	4.2	2.12	2.0	6.4	2.62/480	2.20	
	2					2.1	4.24	0.5	1.6			
	3					3.0	3.00	1.0	1.6			
HT23-601	1	2.99	269.1	8	1.8	4.2	2.12	2.0	6.8	2.51/260	2.20	
	2					2.1	4.24	0.5	1.7			
	3					3.0	3.00	1.0	1.7			