

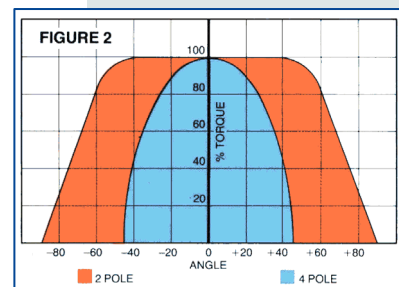
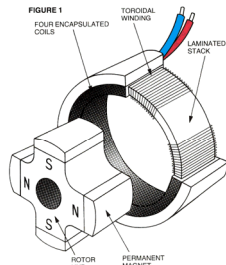


LAT Motors

This type of Motor is specifically designed for operation over a limited angle, which is dependent upon its particular application, whilst providing a constant resetting torque. In valve control systems, for example, these motors can be switched in forward and reverse modes.

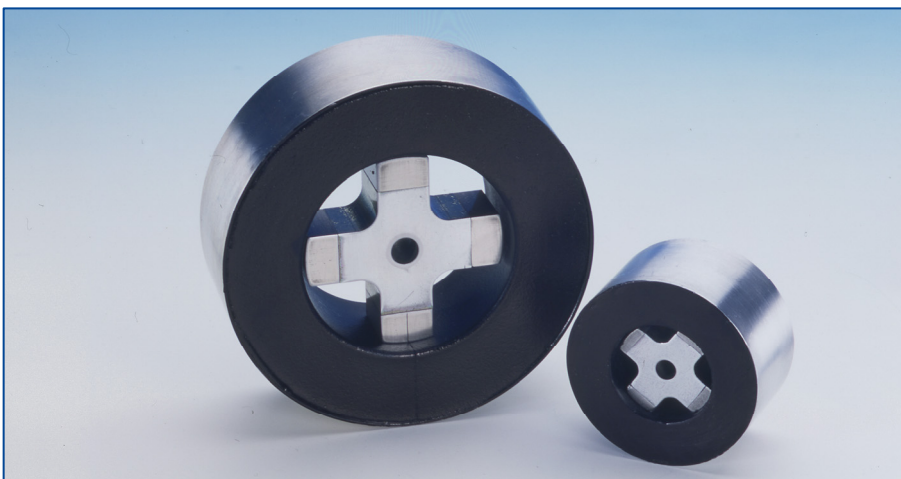
Provisionally, we have selected six standard models in sizes up to 85mm in diameter. However, the possibilities for custom-designed motors are limitless. Please contact Muirhead Aerospace who will be pleased to discuss your individual requirement.

- Typical Applications:**
- Seeker Head Gimbal Motors
 - Infra-red Detector Scanning
 - Antenna Drive Systems
 - Valve Actuation
 - Optical Scanning Drives
 - Camera Control Mechanisms



Limited Angle Torque Motors

Model No.	Peak Torque	P. at Peak Torq	Cont. Torq	Volts at Cont. Torq	Torq Const	Motor Const	Damp Factor	Term Res	Elec Time Const	Rotor Inertia x10 ⁻⁶	Op ang	O.D.	I.D.	L	No. of Pol
	Nm	Watt	Nm	Volts	Nm/A	Nm/√W	Nm/rad/s	Ohm	ms	kg.m ²	Deg	mm	mm	mm	
QLH025S10A1	0.030	80	0.005	14.0	0.028	3.35x10 ⁻³	1.12x10 ⁻⁵	70.0	0.10	0.2598	+45	25.0	4.75	10	2
QLH025S20A1	0.075	141	0.013	10.0	0.030	6.32x10 ⁻³	4.00x10 ⁻⁵	22.5	0.18	0.5105	+45	25.0	4.75	20	2
QLH040S15A1	0.125	225	0.022	8.0	0.025	8.33x10 ⁻³	6.94x10 ⁻⁵	9.0	0.31	0.917	+15	40.0	4.75	15	4
QLH045S25A1	0.250	386	0.043	12.0	0.045	12.72x10 ⁻³	1.62x10 ⁻⁴	12.5	0.63	2.558	+50	45.0	4.75	25	2
QLH065S12A1	0.600	388	0.110	15.0	0.100	30.46x10 ⁻³	7.14x10 ⁻⁴	14.0	0.40	27.89	+15	65.0	6.35	12	4
QLH085S30A1	1.600	731	0.300	12.0	0.145	59.18x10 ⁻³	3.50x10 ⁻³	6.0	1.10	58.44	+20	85.0	8.00	30	4



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