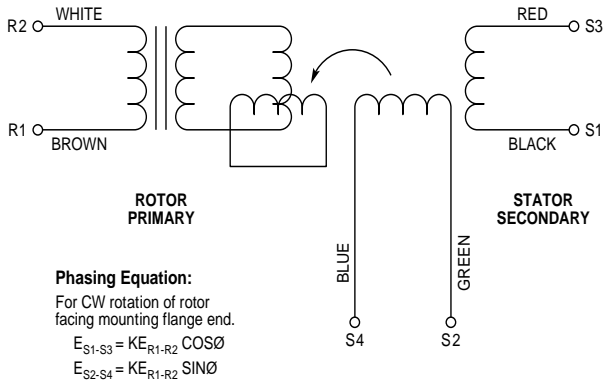


# NeoMetric and J Series, Feedback Specifications

## Resolver Schematic Diagram



## Encoder Specifications

### Mechanical

Accuracy	±2 min of arc
Input power	5 VDC ±5%, 135 mA
Operating frequency	100 kHz max
Output device	26LS31
Sink/Source, nominal	20 mA
Suggested user interface	26LS32

### Electrical

## Resolver Specifications

Parameter	Value
Input voltage @ 7 kHz	4.25 volts
Input current, max	55 mA
Input power, nominal	0.12 watts
Impedance ZSO (@ 90°)	58+j145 ohms
Impedance ZRO	53+j72 ohms
Impedance ZRS	42+j55 ohms
Transformation ratio	0.470 ±5%
Output voltage	2.0 ±5% volts
DC rotor resistance	23 ±10% ohms
DC stator resistance	19 ±10% ohms
Sensitivity	35 mV/degree
Max error from EZ	±10 minutes
Phase shift, open circuit	5° leading, ±3"
Null voltage, total	20 mV rms
Impedance ZSS	50+j128 ohms
Inertia	Incl. with motor spec.

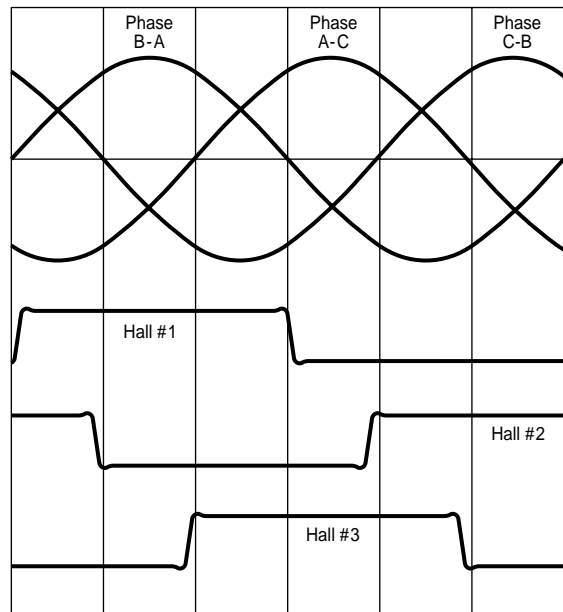
## Hall-Effect Specifications

### Electrical

Input power	5 VDC ±5%, 80 mA
Output device	LM339
open collector	
Maximum pull up	12 VDC
Sink	16 mA

## Commutation Chart

Clockwise rotation as viewed from front shaft.



## Electrically Released Brakes

Brakes	70 mm or 34 Frame	92 mm
Static rated torque	24 in-lb	72 in-lb
Coil voltage	24 VDC	24 VDC
Coil current	0.8 amps	0.52 amps
Weight	1.0 lbs	2.51 lbs
Inertia	0.000038 lb-in-sec <sup>2</sup>	0.00015 lb-in-sec <sup>2</sup>

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