

# INDUCTION MOTOR FAMILY

## Series KH, KN Direct Drive AC Induction Motors



Mounting:	NEMA 2-11 Standard
KH Series:	High Slip - high starting torque, rapid reversal and/or dynamic braking required
KN Series:	Normal Slip - greater output torque, maintain relatively uniform speed but do not have synchronous timing characteristics
Output Speed:	.8 to 1550 RPM
Insulation Class:	Class A (105°C)
Lead Wire:	3 leads 22AWG (approx. 12 inches [304.8 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Capacitor is required for operation. Capacitor supplied with 115 Vac 60 Hz motors.	
Note: Typical data subject to change without notification	

KH Series (high slip) and KN (normal slip) non-synchronous motors are direct replacements for other motors of this type. Both provide NEMA 2-11 mounting, permanent lubrication, and are reversible (capacitor furnished with 115V, 60Hz models).

Geared models have a "Heli-Spur" combination with the primary gear stage helical and the subsequent stages spur. This gearing design provides for quiet, efficient operations. All motors are designed for continuous duty.

KH Series motors are usually employed where high starting torque, rapid reversal and/or dynamic braking is required.

KN Series motors have much greater output torque than synchronous motors, maintain relatively uniform speed but do not have synchronous timing characteristics.

**Notes:**

- A capacitor is required for operation.

Model	Part Number	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed (RPM)	Input Power (watts)	Voltage (VAC) 60HZ	Full Load Temp. Rise °C	Capacitor Value (mfd)	Case Length (in)	Case Length (mm)	Weight (oz)	Weight (g)
KH	2403-001	0.9	6.4	1200	8.5	115	35	0.85	1.69	42.9	25	708.7
KN	2462-590	2.4	16.9	1550	11	115	32	1.3	2.19	55.6	34	963.9



