

INDUCTION MOTOR FAMILY

Series KH, KN Geared Induction Motor



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.)
Gearing:	Heli-Spur, permanent lubrication
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	Reduction	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed (RPM)	Maximum gear train loading	Input Power (watts)	Voltage (VAC) 60HZ	Full Load Temp. Rise °C	Capacitor Value (mfd)	Capacitor not supplied	Case Length (in)	Case Length (mm)	Weight (oz)	Weight (g)
KH	2423-003	1800	250	1765.4	0.8	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KH	2423-030	900	228	1610	1.6		8.5	24	29	20 100VDC +/-10%	X	2.53	64.3	34	963.9
KH	2423-034	600	212	1497	2.3		8.5	24	29	20 100VDC +/-10%	X	2.53	64.3	34	963.9
KH	2423-009	300	175	125.8	4.5	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KH	2423-010	180	105	741.5	7.5		8.5	115	29	0.85		2.53	64.3	34	963.9
KN	2472-591	1800	250	1765.4	0.9	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KN	2472-627	1800	250	1765.4	0.9		8.5	24	29	20 100VDC +/-10%	X	2.53	64.3	34	963.9
KN	2472-592	900	220	1553.5	1.9	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KN	2472-593	600	205	1447.6	2.8	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KN	2472-596	300	178	1257	5.5	X	8.5	115	29	0.85		2.53	64.3	34	963.9
KN	2482-599	180	160	1229.8	8.8	X	11	115	32	1.3		3.03	77	42	1190.7
KN	2482-603	120	150	1059.2	13	X	11	115	32	1.3		3.03	77	42	1190.7
KN	2482-609	72	125	882.7	22		11	115	32	1.3		3.03	77	42	1190.7
KN	2482-611	60	105	741.5	26		11	115	32	1.3		3.03	77	42	1190.7
KN	2482-613	30	54	381.3	52		11	115	32	1.3		3.03	77	42	1190.7
KN	2492-615	18	35	247.2	86		11	115	32	1.3		2.88	77	40	1190.7
KN	2492-616	12	24	169.5	130		11	115	32	1.3		2.88	77	40	1190.7
KN	2492-618	6	12	84.7	260		11	115	32	1.3		2.88	77	40	1190.7



