


SYNCHRONOUS MOTOR FAMILY

Series KS Direct Drive / Geared Reluctance Synchronous Motor



Mounting:	NEMA 2-11 Standard
Output Speed:	1800 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.)
 Recognition:	E52207, Component-Systems, Electrical Insulation E53578(N), Component-Impedance Protected Motors
Capacitor is required for operation. Capacitor supplied with 115 Vac 60 Hz motors.	
Note: Typical data subject to change without notification	

A direct replacement for other motors of this type, KS Series motors are available for both direct drive and geared applications. Direct Drive models offers a 60 Hz synchronous speed of 1800 RPM. Both Direct Drive and geared motors are reversible, designed for continuous operation and require no maintenance lubrication. Motors provide a NEMA type 2-11 mounting.

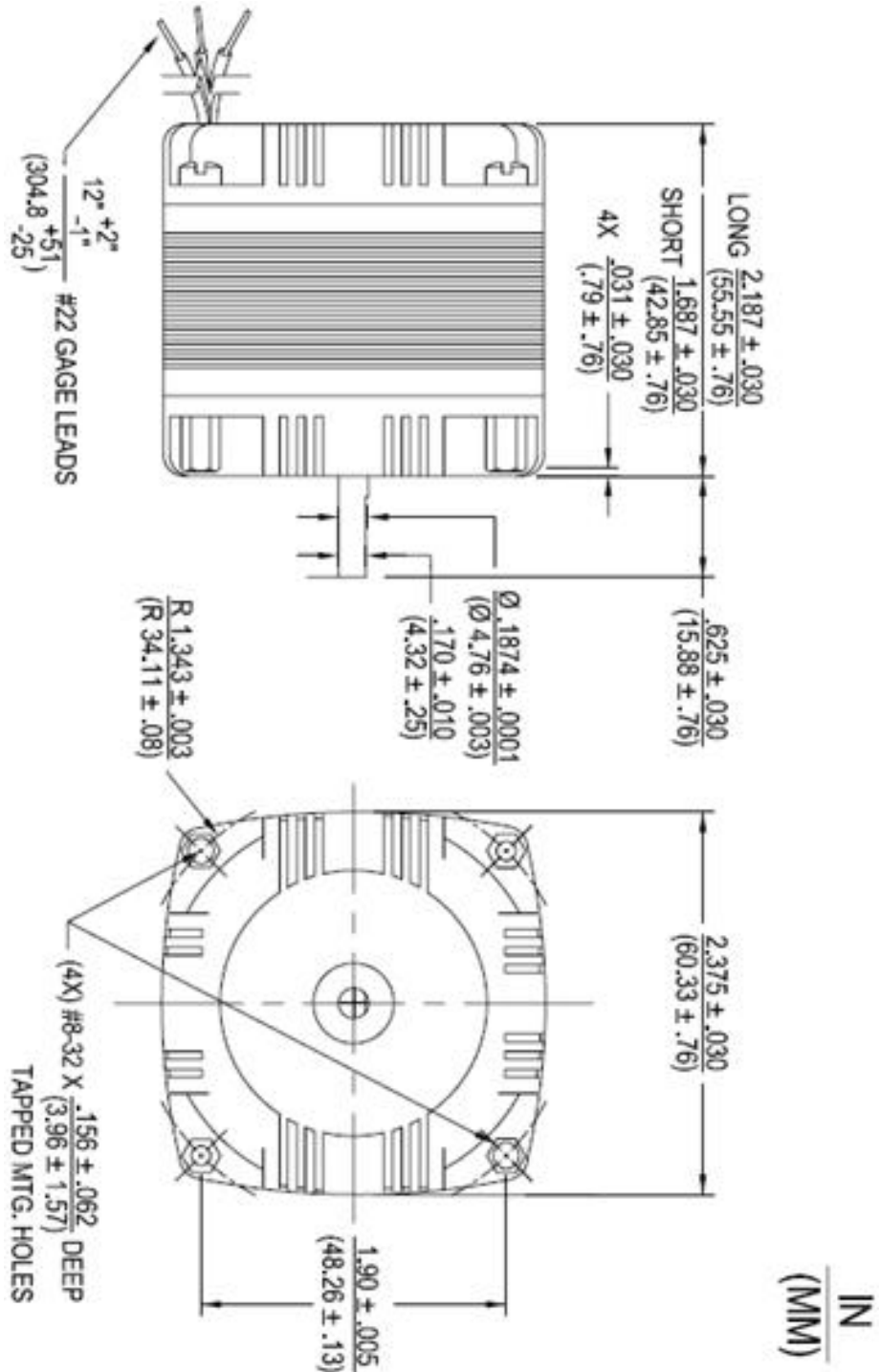
Geared models have a "Heli-Spur" combination with the primary gear stage helical and the subsequent stages, spur. This gearing design provides for quiet, efficient operation. Maximum gear train loading is 250 oz-in [1765 mN-m] at 1 RPM.

Notes:

- A capacitor is required for operation.
- All motors listed below are 115 Vac 60 Hz models.

Model	Part Number	Geared / Direct Drive	Rated Torque (oz-in)	Rated Torque (mN-m)	Output Speed RPM	Input Power watts	Full Load Temp Rise deg C	Capacitor Value mfd	Weight (oz)	Weight (g)	Maximum gear train loading	Case Length (in)	Case Length (mm)
KS	2422-535	Geared	250	1765.4	1	7.5	34	0.85	34	963.9	X	2.531	64.294
KS	2422-563	Geared	230	1624.2	1.5	7.5	34	0.85	34	963.9	X	2.531	64.294
KS	2422-536	Geared	216	1525.3	2	7.5	34	0.85	34	963.9		2.531	64.294
KS	2422-537	Geared	144	1016.9	3	7.5	34	0.85	34	963.9		2.531	64.294
KS	2422-538	Geared	108	762.6	4	7.5	34	0.85	34	963.9		2.531	64.294
KS	2432-541	Geared	166	1172.2	6	10	32	1.3	42	1190.7		3.333	84.667
KS	2432-543	Geared	100	706.2	10	10	32	1.3	42	1190.7		3.333	84.667
KS	2432-547	Geared	66	466.1	15	10	32	1.3	42	1190.7		3.333	84.667
KS	2432-553	Geared	43	303.6	25	10	32	1.3	42	1190.7		3.333	84.667
KS	2432-555	Geared	36	254.2	30	10	32	1.3	42	1190.7		3.333	84.667
KS	2432-557	Geared	18	127.1	60	10	32	1.3	42	1190.7		3.333	84.667
KS	2442-559	Geared	11.5	81.2	100	10	32	1.3	40	1134.0		2.875	73.025
KS	2442-560	Geared	7.7	54.4	150	10	32	1.3	40	1134.0		2.875	73.025
KS	2442-561	Geared	5.7	40.3	200	10	32	1.3	40	1134.0		2.875	73.025
KS	2442-562	Geared	3.8	26.8	300	10	32	1.3	40	1134.0		2.875	73.025
KS	2412-588	Direct Drive	0.85	6.0	1800	10	32	1.3	34	963.9		2.188	55.563

Direct Drive:



Geared:

