

SYNCHRONOUS MOTOR FAMILY

Series EA/EF Hysteresis Synchronous Motor



Despite their economical, open-frame construction, EA Series geared motors have a maximum gear torque rating of 100 oz-in [706.2 mN-m] at 1 RPM, are exceptionally cool running and are recommended wherever dependable timing is required. Motors feature either clockwise or counter clockwise unidirectional operation. Gear trains incorporate superior material including bronze bearings, brass gears, hardened steel pinions and wheel shafts and a stainless steel output shaft.

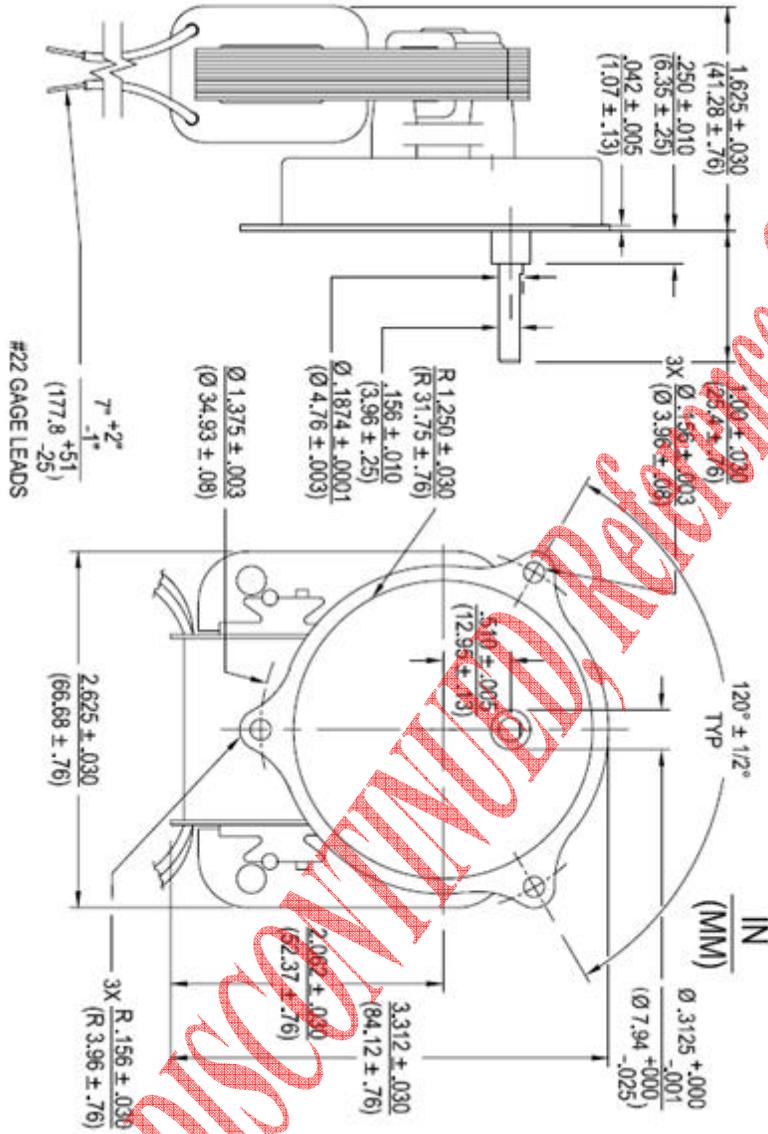
EF Series

For applications requiring a low torque, high speed synchronous motor, the EF Series is available with clockwise or counter clockwise unidirectional operation at 3600 rpm. It provides a direct drive motor with the same economical construction, dependability and small size as the EA Series. Models listed are 115VAC at 60Hz and rotate in a clockwise direction facing shaft.

Output Speed:	1 to 3600 RPM
Lead Wire:	4 leads 22AWG (approx. 7 inches [177.8 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Shaft Bearing:	Sleeve Bearing
 Recognition:	EA: E37163, Component Time Indicating and Recording Appliances, 115Vac 60 Hz Standard Rotor
 Certification:	EA: Card No. 42576, Motors and Generators, 115 Vac, 60 Hz, Standard Rotor, 10 watts max.
Capacitor is required for operation. Capacitor supplied with 115 Vac motors.	
Note: Typical data subject to change without notification	

Model	Geared/ Direct Drive	Part Number	Rated Torque (oz-in)	Rated Torque (mN-m)	Torque (In-Lbs)	Output Speed (RPM)	Input Power (watts)	Voltage VAC 60HZ	Full Load Temp Rise (degC)	Weight (oz)	Weight (grams)	Maximum gear train loading
EA	Geared	991349	2.7	18.75	0.17	8	10	115	40	19.01	539	
EA	Geared	991353	18.7	132	1.17	10	10	115	40	19.01	539	
EA	Geared	991622	1.2	8.8	0.08	120	10	115	40	19.01	539	
EA	Geared	991301	100.0	706	6.25	1	10	115	40	19.01	539	X
EA	Geared	991315	75.1	530	4.69	2	10	115	40	19.01	539	
EA	Geared	991333	37.5	265	2.35	4	10	115	40	19.01	539	
EA	Geared	991341	25.1	177	1.57	6	10	115	40	19.01	539	
EA	Geared	991359	12.5	88	0.78	12	10	115	40	19.01	539	
EA	Geared	991377	7.5	53	0.47	20	10	115	40	19.01	539	
EA	Geared	991395	5.0	35	0.31	30	10	115	40	19.01	539	
EA	Geared	991419	2.5	17.7	0.16	60	10	115	40	19.01	539	
EF	DD	992657	0.1	0.85	0.01	3600	10	115	40	14.99	425	

EA Geared:



EF Direct Drive:

