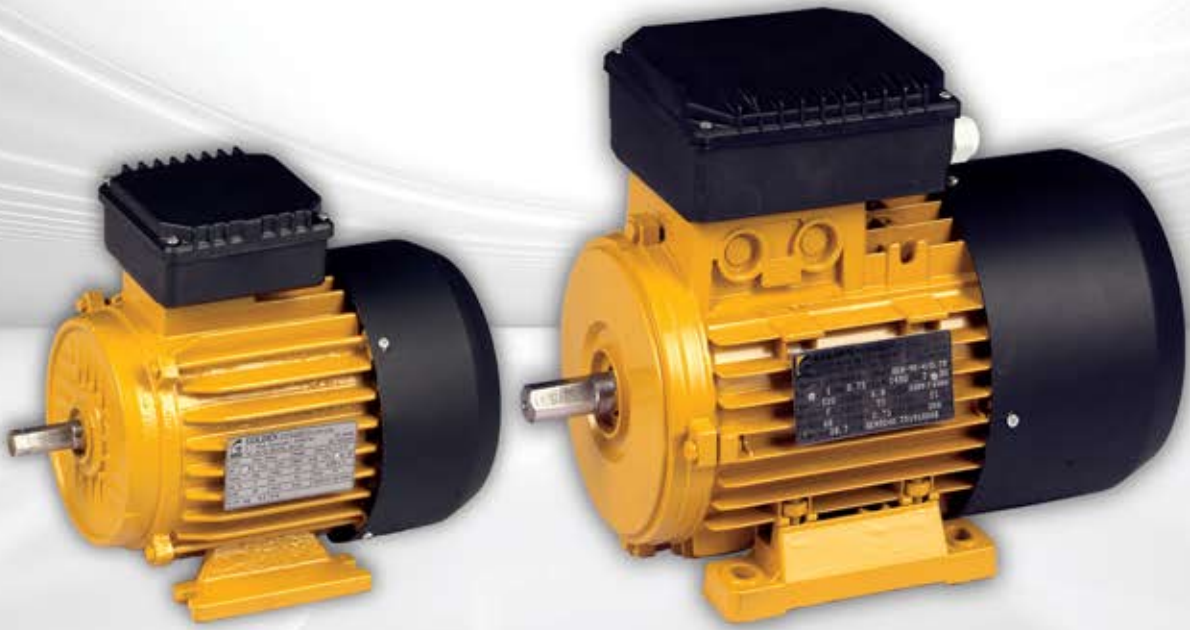


# گولڈن ڈائنامکس (پرائیویٹ) لمیٹڈ



زندگی کے لیے



## NOWA

■ Electric Motors

GEM Series



POWERED by  
**HONDA**

**JLEM**  
JINLONG  
ELECTRICAL MACHINERY

**SAER**  
ELETTROPOMPE

**TÜV** **CSVD**  
AUSTRIA  
No. Certification  
No. of Certificate 238



Member of:  
**ppemma**  
Pakistan Power &  
Electrical Manufacturers Association

Research Support by:  
**NUST**  
NATIONAL UNIVERSITY  
OF SCIENCE & TECHNOLOGY

**RACHNA**  
College of Engineering  
and Technology,  
Gujranwala

## GOLDEN DYNAMICS (PVT) LTD.

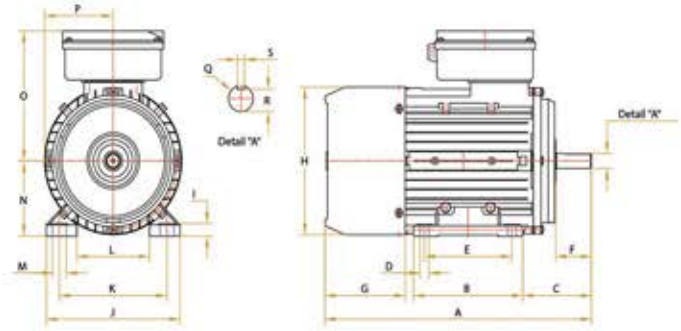
📍 G. T. Road, Gujranwala - PAKISTAN 📞 +92 55 384 2756, 384 3756, 429 6355 ✉ email@goldendynamics.com 🌐 www.goldendynamics.com





**GOLDEN DYNAMICS**  
(PVT) LTD.

**NOWA**  
Electric Motors  
**GEM Series**



**Function:**

GEM series single-phase and three-phase asynchronous electric motors convert electrical power into mechanical power and come in various shapes and sizes. GEM series electric motors have several advantages including its high efficiency rating, large starting torque, excellent performance and reliability, low noise and vibration, convenient operation and maintenance. All mounting dimensions are in conformity to the International Efficiency Class Standards (IEC 60034-30:2008)

**Application:**

Also referred to as an induction motor, the asynchronous AC motor is among the most common in the world powering machinery and many domestic applications including pumps, wood cutting machines, floor polishing machines, refrigerator and air conditioner compressors, washing machines, blowers, dryers and fans etc.

**Construction:**

GEM series electric motors are made of Aluminum-alloy Die-Casting / Cast Iron. The Winding Wire is made of 99.9% pure Copper along with high quality Silicon Electrical Steel Sheet. Rotor Shaft in Steel (AISI 431) fitted with world's finest pre-greased Ball Bearings. Single-phase motors are available with Starting Capacitor for high initial torque.

**Installation:**

IM-B3, B5 & B35 (as per IEC Standards in special models)

**Pump Performance Data:**

Ambient Temp: -15°C ~ +40°C  
Relative Humidity: 60% (@ +40°C)  
Altitude: Less than 1000 Meters above sea level  
Specifications: Totally Enclosed Fan Cooled (IC411), IP-50 & IP-55, Ins. Class: B & F, S.F: 1.1, 200 V / 380 V, Single / Three-Phase, 50 Hz, 4P, Cont. Duty (S-1), Direct Δ Connection

**Performance Chart:**

Model	HP	kW	Casing Material	Frame Size	V	A	Phase	RPM	Hz	Capacitor
GEM-80-4/0.37	0.5	0.37	Aluminum	80	200 ~ 220	4.2	I	1450	50	150uF
GEM-90-4/0.75	1	0.75		90		6.8				200uF

Model	HP	kW	Casing Material	V	A	Phase	RPM	Hz	Capacitor
GEM-C14-4/0.37	0.5	0.37	Cast Iron	200 ~ 220	4.2	I	1450	50	80 ~ 100MFD
GEM-C18-4/1.5	2	1.5			12				138-182 MFD + 25 uF
GEM-C18-4/1.5T	2	1.5		380 ~ 415	3	III			-

Model	HP	kW	Casing Material	V	A	Phase	RPM	Hz	Capacitor
GEM-C14-4/0.75	1	0.75	Cast Iron	200 ~ 220	7.13	I	1450	50	200uF
GEM-C18-4/2.2	3	2.2			17.6				300uF

**Dimension Table:**

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Bearing	Weight (kg)
GEM-80-4/0.37	304	127	79	10	100	41	92	157	1.5	153	123	83	16	80	180	78.5	5/8"	15	-	6303x2	11.4
GEM-90-4/0.75	350	115	78	11	124	43	120	176	17	180	140	99	16	90	163	88	19	18	-	6303 & 6304	18.7

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Bearing	Weight (kg)
GEM-C14-4/0.37	301	125	87	12.5	110	45	92	176	10	174	140	106	10	90	141	88	5/8"	15	-	6303x2	14.6
GEM-C18-4/1.5 (T)	403	173	113	12	124	75	112	221	17	209	170	130	12	114	164	110.5	28	24	8	6205 & 6206	35.5

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Bearing	Weight (kg)
GEM-C14-4/0.75	341	138	88	9.5	100	51	115	180	12	175	140	1.3	9.5	90	147	116	24	20	8	6205x2	16.3
GEM-C18-4/2.2	438	190	107	12	140	62	124	214	16	238	190	140	12	114	163	124	28	24	8	6206x2	38