



ELECTRIC DRIVE SOLUTIONS

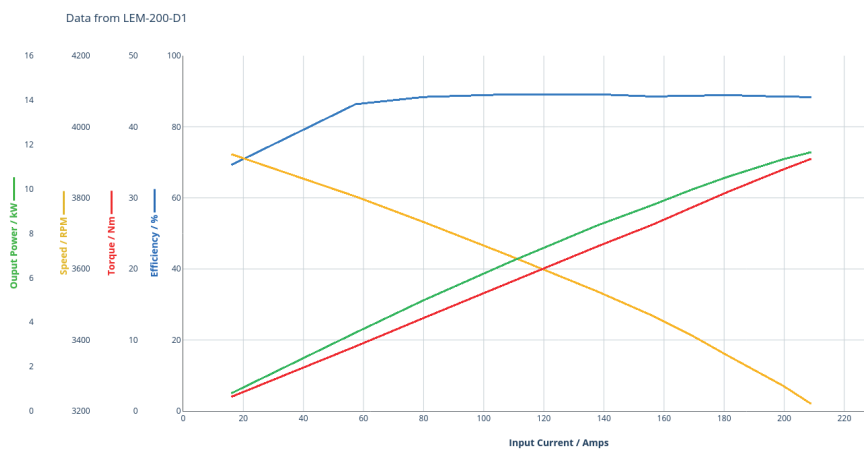
MOTOR | LEM-200

OVERVIEW

The Lynch LEM 200 electric motor is an 8 pole axial gap DC brushed motor suitable for traction and industrial applications including grass cutters, go-karts, motorcycles, golf carts, scissor lifts, lightweight vehicles, boats and generators. The LEM 200 is available in 95, 127 and 135 and contains traction armatures with magnet grade selection dependent on application.

KEY FEATURES

- Simple electronic control
- Long brush life
- Rugged construction
- CE marked
- IP20 rating
- Interchangeable shaft
- Speed proportional to voltage



APPLICATION



Marine



Automotive



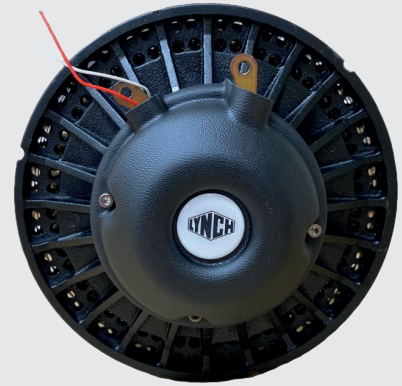
Industrial



Robotics



Railways



LIGHTWEIGHT

11kg

EFFICIENT

Up to 93% efficiency

RELIABLE

Limited moving parts

ECO FRIENDLY

No emissions, no fuel

POWERFUL

Available from 12 V to 110 V

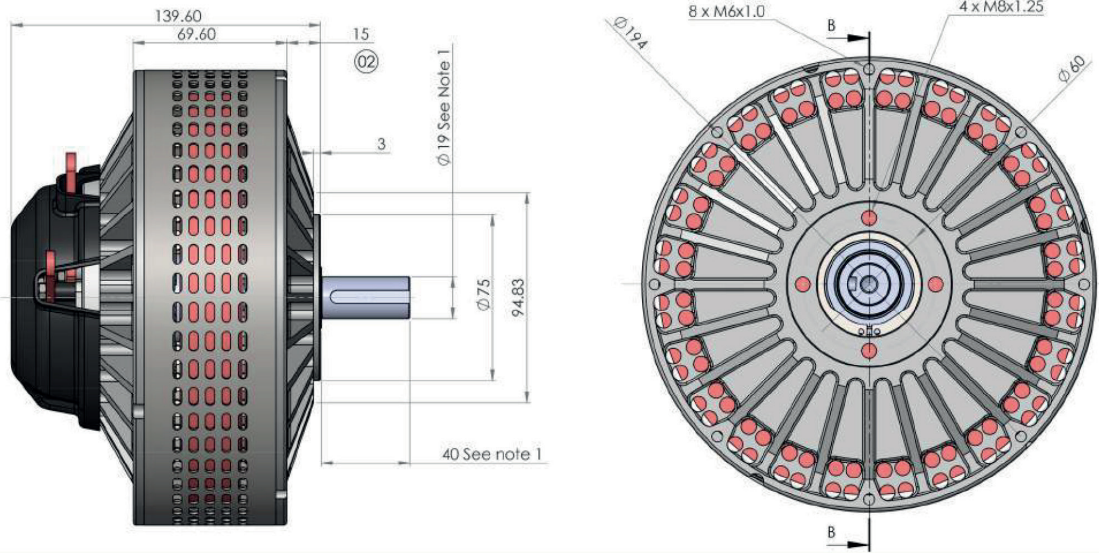
LOW COST

Save on fuel bills



ELECTRIC DRIVE SOLUTIONS

LEM-200



LEM - 200 specifications

	95	127	D95b	D126	D127	D135	D135 RAG	D135 RAGS
Load Current	6A	5A	6A	5A	4A	3.5A	7.36A	7.45A
Torque Constant (Nm/A)	0.113	0.15	0.14	0.0748	0.17	0.185	0.207	0.21
Speed Constant (rpm/v)	81	60	76	104	52	45	42	40
Armature Resistance DC	21.5mQ	22.5mQ	20.5mQ	13.8mQ	17.5mQ	16.75mQ	16.95mQ	16.95mQ
Armature Inductance @ 15kHz	22pH	23pH	11pH	5pH	13pH	16pH	16pH	16pH
Armature Inertia (Kg ^{m^2})	0.0238	0.0236	0.0238	0.0234	0.0236	0.0236	0.0238	0.0238
Peak Power	18kw	16.08kw	28.5kw	11.14kw	25.38kw	29.04kw	34.32kw	36kw
Peak Efficiency	92%	89%	92%	81%	92%	93%	93%	93%
Peak Current	400A	400A	400A	400A	400A	400A	400A	400A
Rated Power	10kw	8kw	15kw	6kw	13kw	14kw	16kw	18kw
Rated Speed	3888rpm	2880rpm	5472rpm	3744rpm	3600rpm	3780rpm	4032rpm	4400rpm
Rated Voltage	48V	448V	72V	36V	72V	84V	96V	110V
Rated Current	220A	200A	210A	250A	200A	200A	200A	200A
Rated Torque	28Nm	31.5Nm	30Nm	18.3Nm	33.3Nm	36.4Nm	39.9Nm	42Nm

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**2 YEAR EXTENDABLE WARRANTY
WITH ALL OF OUR MOTORS**