SEPERATELY EXCITED D.C. MOTORS & DRIVES

MLYM-Series

Introduction:

MLYM series of laminated yoke D/C. Motors /drives are available in more than 100 different modes, virtually offering solutions to speed/torque control applications for paper, wire drawing, printing, extrusion, petrochemical, automobile, organic/inorganic chemical, milk plant, sugar, textiles, beverages, water management/treatment, non conventional energy management applications, nuclear and defense and many other research & applications.

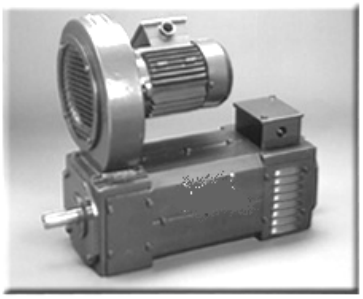
Mode

Feature:

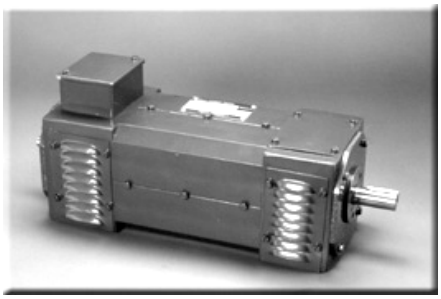
Compact and energy efficient
Dynamically balanced & vibration-less motion
Improved self-braking acting action, thus less hunting.
Morximum torque/k.watts with field weakening feature

Applications:

Textile, paper, corrugation, cement, Yarn, Sugar, Non-conventional energy, Breweries, Distillaries, Chemical, Heavy engineering, Petrochem, cable Medicine, defense, aerospace, automobile, card



MLYM- 020



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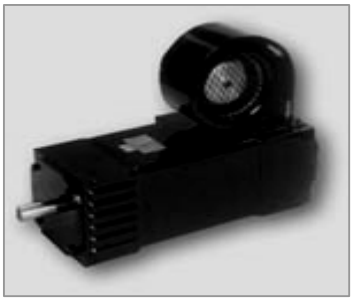


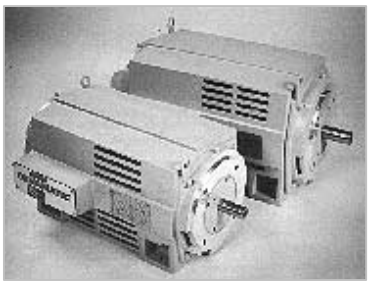
MLYM-010

ELECTRICAL/MECHANICAL Specifications OF Laminated Yoke D.C. Motor/Generator **POWER <800.0 K.Watts**

model	Power watts	R.P.M.	Torque N.m	Volts D.C.	Amps D.C.	Tmax °C
MLYM-001	1000.0	10/000	6.3/3.1	200	5.0	60
MLYM-002	2000.0	1500/3000	12.7/6.3	200	10.0	60
MLYM-010	5000.0	1500/3000	31.8/15.9	400	12.5	70
MLYM-020	7350.0	1500/3000	46.8/23.4	400	18.3	70
MLYM-010	10000.0	1500/3000	63.4/31.8	400	20.0	60
MLYM-015	15000.0	1500/3000	95.1/47.5	400	37.5	60
MLYM-020	20000.0	1500/3000	126.6/63.4	400	50.0	70
MLYM-030	30000.0	1500/3000	190.2/95.1	600	50.0	70
MLYM-050	50000.0	1500/3000	317/158.5	600	80.0	70
MLYM-100	100000.0	1500/3000	636.9/318.4	600	110.0	70
MLYM-200	200000.0	1500/3000	1273.8/636.9	600	133.0	70
MLYM-500	500000.0	900	5307.8	800	626.0	70
MLYM-750	750000.0	900	7961.7	1250	600.0	70

Electrical/mechanical specification of Laminated Yoke motor

Topological type: Radial field/axial
Generated power: 50-500,000 Watts
N0-voltage: 240 +/- 5% of rated voltage (rms)
Frequency: 45-55 Hz/or option
Direct axis-Armature reactance: 0.1-0.2% ohm p.u.
Quadrature axis armature reactance: 0.005 - 0.01% ohm p.u.
Armature resistance/phase: 0.05 -0.08 %p.u. ohm/phase
Excitation vol/current: 200 v//1.0amps - 800 volt/5.0 amps
Rpm: 250-350 Rpm
Pole: 4/8/12 no
Nominal torque: as in data sheet.
Overall electrical efficiency: approx 85%
Frame diameter: 6-24" with flange mounting
Frame length: 24"/Shaft diameter: 2"
Coupling: star
Cooling: forced cooling
Additional:
Insulation: class – H Noise levell: as per practices



MLYM-200

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