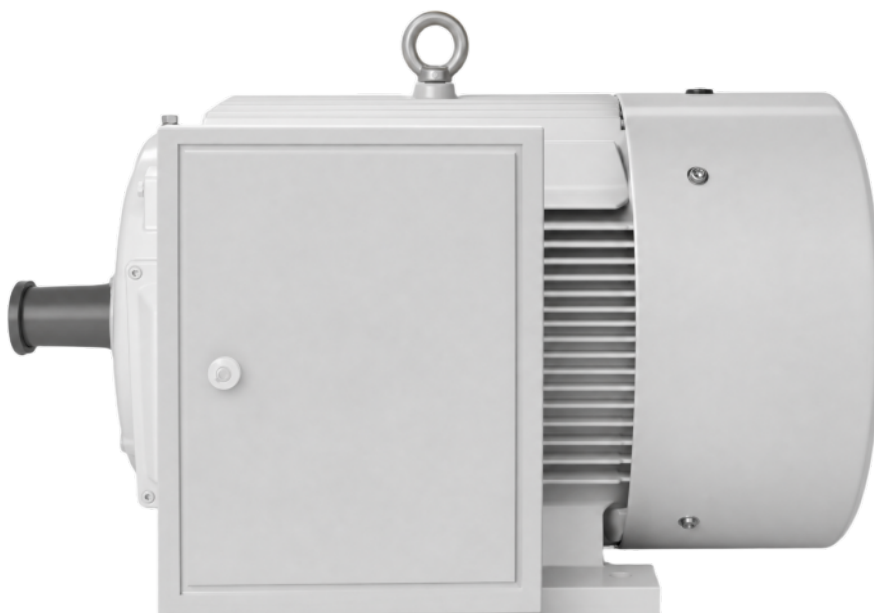


SPECIAL PURPOSE SERIES

DYG

DYG SERIES HIGH STARTING TORQUE MULTI-SPEED MOTOR SYSTEM

A system of a high starting torque pole-changing motor and its control cabinet, for high-torque loads in oil fields and mines.

**18.5–75** kW

RATED OUTPUT

H200–H280FRAME CENTRE
HEIGHT**2**

SPEEDS

380 V

RATED VOLTAGE

SERIES

DYG

REVISION

A01

ISSUE

September 2026

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DESCRIPTION

The DYG series changes speed by pole changing through a special winding design. The product is a system of two parts: a high starting torque multi-speed motor and a control cabinet. Starting torque is high and the arrangement saves energy.

The motor has two output speeds and two outputs, selected by a changeover switch in the control cabinet, which keeps the control system simple and dependable. The cabinet is of special construction, with sound short-circuit and overload protection, and is rainproof and secure against theft. It can be built to a customer's requirement.

TECHNICAL SPECIFICATION

Speed changeover	By changeover switch in the control cabinet
Altitude	Not exceeding 1,000 m (3,280 ft)
Ambient temperature	-15 °C to +40 °C (5 °F to 104 °F)
Duty type	S1, continuous duty
Mounting arrangements	IM B3 (foot mounting)

MODEL DESIGNATION

The type designation is formed as follows, shown for **DYG 200M**.



TYPICAL APPLICATIONS

- Oil fields
- Mining
- High starting torque loads
- High torque loads

NOTES

FRAME HEIGHT IN THE RATING TABLE

The dimension table gives H = 336 for frames DYG225M and DYG225L, where a frame 225 machine would normally be H = 225. The figure is reproduced as printed; confirm it with the manufacturer.

NOT EXPLOSION PROTECTED

This series carries no explosion-protection marking and must not be used in a hazardous area.

RATED DATA

Values are for 50 Hz operation at the rated voltage stated above. Ratings are continuous (duty type S1).

MOUNTING ARRANGEMENTS

The series is supplied in the following arrangements to IEC 60034-7. Letters on the drawings are the dimension symbols used in the outline and mounting dimension schedule.

ABOUT THESE DRAWINGS

The drawings show a representative frame for each arrangement and are not to scale. Dimensions for a specific frame size are given in the outline and mounting dimension schedule.

OUTLINE AND MOUNTING DIMENSIONS

Principal dimensions are given below. The complete dimension schedule, including tolerances and flange details, is issued on request.

PRINCIPAL OUTLINE AND MOUNTING DIMENSIONS (MM)

FRAME	A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
DYG200M/200L	318	159	305	133	55	110	16	49	200	18.5	395	420	515	475	775
DYG225M/225L	356	178	311	149	60	140	18	53	336	18.5	435	475	538	575	845
DYG250M/250L	406	203	349	168	65	140	18	58	250	24	490	515	562	585	930
DYG280S	457	228.5	368	190	75	140	20	67.5	280	24	550	580	590	640	1000
DYG280M/280L	457	228.5	419	190	75	140	20	67.5	280	24	550	580	590	640	1050
DYG315M/315L	508	254	457	216	80	170	22	71	315	28	630	645	690	865	1340

MANUFACTURER

CHINA HEADQUARTERS

SHANDONG LIJIU ELECTRICAL
MACHINERY CO., LTD

No.22, Shanhai Road, Rushan City, Shandong, China
Email: info@leadgomotor.com

THAILAND FACILITY

LEADGO MOTOR TECHNOLOGY
THAILAND CO LTD

Rojana Bowin 2 Industrial Estate, Si Racha,
Chonburi, Thailand
Email: info@leadgomotor.com

WEBSITE www.leadgomotor.com

Ratings and dimensions in this datasheet are taken from the LEADGO product brochure and are subject to change without prior notice as a result of continuous product development. Confirm the applicable data with the manufacturer before ordering or before modifying an existing installation.