

Another

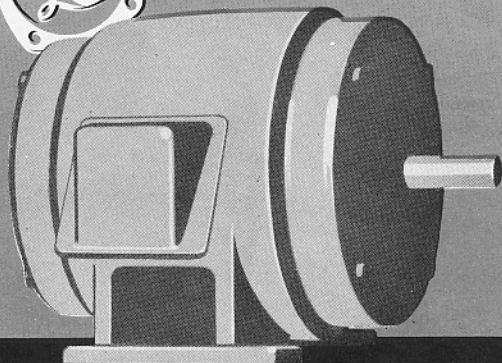


Product

LELAND MOTORS

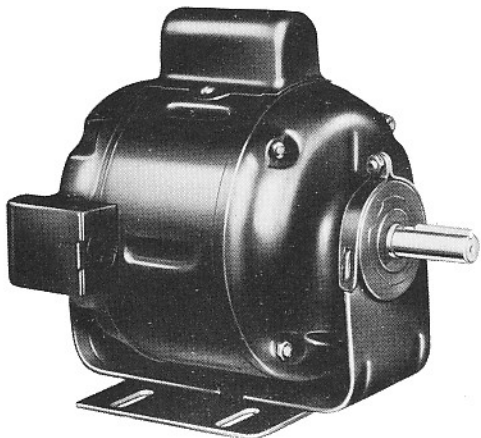
**LEADS with
TRADITIONAL**

Quality



CAPACITOR MOTORS

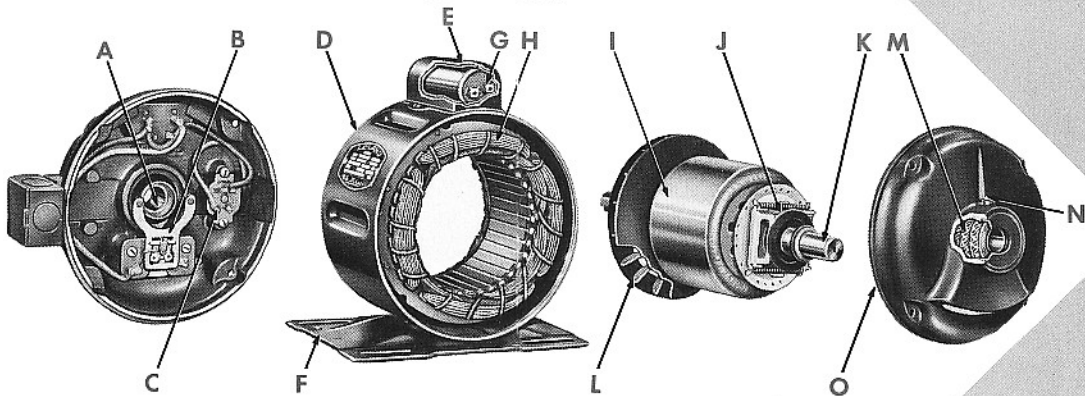
The
Leland
Type **KL**



**ONE-SIXTH
THRU THREE
HORSEPOWER**

FEATURE FOR FEATURE

*The Finest Motors
Built!*



Here are the truly distinctive features which make
Leland Motors famous for . . . ample capacity
in every job . . . simplicity of design and
construction . . . amazing economy
in operation.



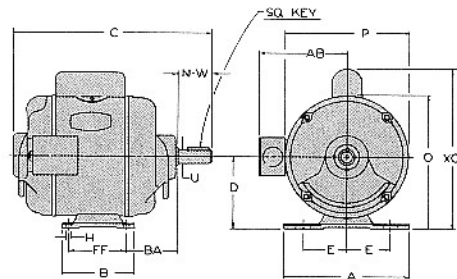
Leland

LEADS - ALL WAYS

The Leland Type KL General-Purpose Motor—capacitor start, induction run—has overload capacities averaging 250% of full-load torque, with starting torques ranging from 150% to more than 350% of full-load torque, depending on indicated requirements. Such performance is assured by these unique Leland features.

- A. BEARING.** Mirror finish, diamond-bored, grooved for perfect oil film.
- B. SWITCH.** Over-center snap action, silver contacts, leather silencers on trip arm.
- C. THERMAL.** Protects against damage from overheating or abnormal stalled condition.
- D. SHELL.** Strong steel, assuring perfect alignment.
- E. CAPACITOR COVER.** Protective, heavy steel.
- F. BASE.** Pressed steel, securely welded to motor.
- G. CAPACITOR.** Modern, small, highest quality.
- H. WINDINGS.** Most advanced insulation methods.
- I. ROTOR.** Rugged squirrel-cage type, almost indestructible.
- J. DEVICE.** Short-throw, quick snap-action cutout.
- K. SHAFT.** Straight, strong, true-ground journals.
- L. FAN.** Generous-sized, for continuous motor operation.
- M. OIL RESERVOIR.** Large cavity, wool waste packed for adequate, filtered oil supply; wool contacts shaft through liberal-sized bearing window.
- N. OILERS.** Convenient when replenishing oil.
- O. END FRAMES.** Sturdy, cast iron, of Leland drip-proof design.

All Are Leland Leadership Features



N.E.M.A. STANDARD LETTER SYMBOLS USED

SEE CHART BELOW FOR DIMENSIONS IN INCHES

Rating				Mounting						
HP*	Frame	Mtg.**	A Max.	B Max.	D	E	FF	BA	H	
1/6	2B	56	6 1/2	4	3 1/2	2 1/16	3	2 3/4	1 1/32	Slot
1/4	2B	56	6 1/2	4	3 1/2	2 1/16	3	2 3/4	1 1/32	Slot
1/3	2C	56	6 1/2	4	3 1/2	2 1/16	3	2 3/4	1 1/32	Slot
1/2	3B	66	8 5/8	6 3/8	4 1/8	2 15/16	5	3 1/8	1 3/32	Slot
3/4	4B	66	8 3/8	6 3/8	4 1/8	2 15/16	5	3 1/8	1 3/32	Slot
1	5B	203	10	7	5	4	5 1/2	3 1/8	1 3/32	Dia.
1 1/2	5B	204	10	8	5	4	6 1/2	3 1/8	1 3/32	Dia.
2	6B	224	11	8 3/4	5 1/2	4 1/2	6 3/4	3 1/2	1 3/32	Dia.
3	6B	225	11	9 1/2	5 1/2	4 1/2	7 1/2	3 1/2	1 3/32	Dia.

*at 1725 R.P.M.

**NEMA Mounting

Shaft				Overall						
HP*	N-W	U	Key Sq.	AB	C	O	P	XO		
1/6	1 7/8	5/8	3/16	4 1/16	10 5/8	6 11/16	6 3/8	8 3/16		
1/4	1 7/8	5/8	3/16	4 1/16	10 5/8	6 11/16	6 3/8	8 3/16		
1/3	1 7/8	5/8	3/16	4 1/16	11 3/8	6 11/16	6 3/8	8 3/16		
1/2	2 1/4	3/4	3/16	5 1/8	11 15/16	7 7/8	7 1/16	10 1/8		
3/4	2 1/4	3/4	3/16	5 15/16	11 1/16	8 3/8	8 1/16	8 3/8		
1	2 1/4	3/4	3/16	7 1/16	13 3/16	9 3/4	9 3/4	9 3/4		
1 1/2	2 1/4	3/4	3/16	7 1/16	13 5/16	9 3/4	9 3/4	9 3/4		
2	3	1	1/4	8 3/16	16 3/16	10 15/16	10 7/8	10 15/16		
3	3	1	1/4	8 3/16	16 1/16	10 15/16	10 7/8	10 15/16		

Featuring the ...
Leland type KL
CAPACITOR START
INDUCTION RUN
DRIP-PROOF
MOTOR

CREATIVE ELECTRICAL ENGINEERING. Since its founding in 1921 Leland has scored many "firsts" . . . in design, manufacture and performance of electric motors which meet an incredibly wide range of service needs. That record has won Leland unchallenged leadership in its field. Nothing illustrates that leadership better than the famous Leland Type KL Motor!

RATINGS

HORSEPOWER

1/6 to 3 HP, inclusive

VOLTAGE

115-230-115/230 Volts,
standard

CYCLES

60, 50 or 25, single phase

SPEEDS

3450, 1725, 1140 RPM (60
cycle)

2850, 1425, 950 RPM
(50 cycle)

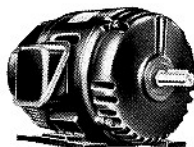
1425 RPM (25 cycle)

ROTATION

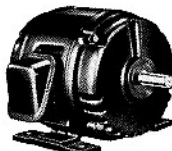
Selective by Changing Leads

APPLICATIONS. Air-conditioning units, blowers, coolers, circulators, dispensers, disposal units, drill presses, cream separators, pumps, stokers, conveyors, sanders, etc. . . . wherever low-current starting and quiet, reliable power are needed . . . the key to long-lived satisfaction and economy is a Leland Type KL General-Purpose Motor!

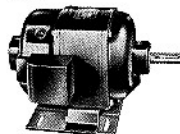
here's a *Leland*
Motor for EVERY
Application



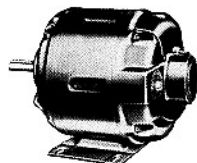
TYPE RA—1/4 to 3 HP—Repulsion start, induction run—for pumps, compressors; farm, food, industrial and home workshop machinery.



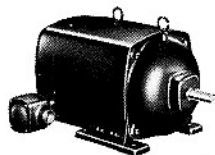
TYPE PA—1/6 to 5 HP—Polyphase—Dependable, for heavy-duty jobs.



TYPE DM—1/6 to 3 HP—Direct current. Full-quality companions to Leland AC Motors.



TYPE KS—1/6 to 1/2 HP—Split phase—for fans, oil burners, water circulators and similar light loads.



EXPLOSION-PROOF—1/6 to 5 HP—Single Phase & Polyphase design features applied to wide range of types—for hazardous locations.

DIVERSITY OF DESIGN

Literally thousands of variations, electrical and mechanical, in Leland specifications, fabrication and functioning . . . result from our more than 30 years of creative engineering and manufacture. Leland will gladly help solve *your* special motor problem, help meet *your* need *exactly*!



THE LELAND  **ELECTRIC CO.**

DIVISION OF AMERICAN MACHINE & FOUNDRY CO.

DAYTON 1, OHIO

IN CANADA, LELAND ELECTRIC CANADA, LTD., GUELPH, ONT.