LEESON CANADA

AGRICULTURAL MOTORS

GENERAL PURPOSE • SINGLE PHASE

FARM DUTY • GENERAL PURPOSE

Heavy duty single phase Hi-Torque Motors designed specifically for severe "farm duty" applications.

Mechanical Features:
Gasketed capacitor housing and conduit boxes provide protection in all environments.
Double shielded ball bearings prelubricated with Exxon POLYREX® EM grease having operating temperature range of –20°F to +350°F and special formulation to provide extra bearing protection.
Rubber boot over manual protector reset button provides weather protection.

Electrical Features:
Low temperature manual overload protector protects against extreme overload.
Class "F" copper windings and varnish.
Capacitor start provides high starting torque with normal starting current.

NEW PRICING!

HIGH TORQUE • RIGID BASE SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56	**113256**	$316	A	20	115/208-230	Man.	3.2	10.81
1/2	1725	56	**110086**	355	A	22	115/208-230	Man.	4.4	10.81
3/4	1725	56	**110087**	366	A	26	115/208-230	Man.	5.4	11.31
1	1725	56	**110088**	401	A	30	115/208-230	Man.	7.0	11.81
	1725	143T	**121569**	401	A	30	115/208-230	Man.	7.0	12.75
1½	1725	56H	**110089**☆□	490	A	41	115/208-230	Man.	8.6	13.31
	1725	56HZ/ 145T	**113938**■	516	A	39	115/208-230	Man.	8.6	14.25
2	1725	56HZ/ 145T	**110090**☆■	551	A	43	230	Man.	9.2	14.25
	1740	182T	**131541**†	711	A	50	115/208-230	Man.	12.4	13.47
3	1740	184T	**131542**†	889	A	83	230	Man.	19.0	15.47
5	1740	184T	**131543**†☆	1018	A	96	230	Man.	23.0	16.47
7½	1740	215T	**140707**†☆	1186	B	144	230	Man.	32.0	20.21
10	1740	215T	**140706**†☆	1265	B	152	230	Man.	40.0	20.71

HIGH TORQUE C FACE SINGLE PHASE • TEFC

NEMA C Face Motor designed with overspeed protection on mechanical centrifugal starting switch.

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56C	**113290**	$355	A	27	115/208-230	Man.	3.2	10.81
	1725	56C	**M002290***	266	A	25	115/208-230	Man.	3.2	10.81
1/2	1725	56C	**110492**	328	A	29	115/208-230	Man.	4.4	10.81
	1725	56C	**M009492***	292	A	26	115/208-230	Man.	4.4	10.81
	1725	56C	M006486⊗*	302	A	26	115/208-230	Man.	4.4	10.81
3/4	1725	56C	**110493**	394	A	33	115/208-230	Man.	5.4	11.31
	1725	56C	**M009493***	329	A	29	115/208-230	Man.	5.4	11.31
1	1725	56C	**110494**	439	A	36	115/208-230	Man.	7.0	11.81
	1725	56C	**M009494***	343	A	32	115/208-230	Man.	7.0	11.81
	1725	56C	M006488⊗*	353	A	32	115/208-230	Man.	7.0	11.81
1½	1725	56C	**110495**☆	545	A	43	115/208-230	Man.	8.6	12.31
	1725	56C	M009495☆⊗*	420	A	47	115/208-230	Man.	9.0	13.31
2	1725	145TC	**120855**†☆	661	B	45	230	Man.	9.2	13.31
3	1740	184TC	**131603**†	896	B	97	230	Man.	19.0	15.47
5	1740	184TC	**131602**†☆	1098	B	112	230	Man.	23.0	16.47

WATTSAVER® PREMIUM EFFICIENCY HIGH TORQUE • RIGID BASE SINGLE PHASE • TEFC

WATTSAVER® Premium Efficiency Motors provide enhanced operating efficiencies, cooler operating temperatures, and reduced running amperage.

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (in.)
1/3	1725	56	**113765**☆	$381	A	28	115/208-230	Man.	1.7	76.0	10.81
1/2	1725	56	**113766**☆	443	A	29	115/208-230	Man.	2.5	78.0	11.31
3/4	1725	56	**113767**☆	468	A	30	115/208-230	Man.	3.2	82.0	11.81
1	1725	56	**113768**☆	486	A	37	115/208-230	Man.	4.2	83.0	12.31
1½	1725	56H	**113769**☆□	547	A	47	115/208-230	Man.	6.5	84.0	13.31
2	1725	56HZ	**113770**☆■	602	A	49	230	Man.	8.2	85.0	14.25

EXTRA HI-TORQUE RIGID BASE SINGLE PHASE • TEFC

Extra Hi-Torque rated 5, 7½ and 10 HP Motors produce up to 400% starting torque with all mechanical and electrical features listed above.

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)
7½	1740	215T	**140130**†☆	$1525	B	167	230	Man.	33.6	20.13
	1740	215TZ	**140209**†☆♦	1597	B	167	230	Man.	33.6	20.13
10	1740	215T	**140414**†☆	1670	B	202	230	Man.	40.0	20.63

■ Combination 56 HZ base has mounting holes for NEMA 56 and 143-5T and a standard NEMA 145T frame shaft of 7/8" diameter.
□ Combination 56H base has mounting holes for NEMA 56 and 143-5T and a standard NEMA 56 frame shaft.
☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
† Class F insulated.
} Starting relay instead of centrifugal switch.
♦ These motors have a NEMA 215T base mounting pattern and shaft height of 5.25", with usable length of 3 3/8" and diameter of 1 1/8" with standard key.

* Industry-Ag motors - for more information see page 45.

⊗ These motors have a NEMA 56 base.

Catalogue numbers in blue are NEW items.

LEESON FHP ELECTRIC MOTORS

Quality, Performance and Value Without Compromise™

Industry-Ag

INDUSTRY-AG • 115-208/230V • TEFC 1725 RPM • HIGH TORQUE RIGID BASE

Industry-Ag is a new line of heavy duty single phase hi-torque motors built to withstand the rigors of industry and agriculture.

Mechanical Features: Gasketed capacitor housing and conduit boxes provide protection in all environments. Double sealed ball bearings provide extra bearing protection.

Rubber boot over manual protector reset button provides weather protection.

Electrical Features: Manual thermal protector protects against overload. Capacitor start provides high starting torque with normal starting current.

INDUSTRY-AG • 115-208/230V • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56	**M002256**	$240	A	25	115-208/230	Man.	2.9	10.81
1/2	1725	56	**M009086**	266	A	26	115-208/230	Man.	3.9	10.81
3/4	1725	56	**M009087**	303	A	29	115-208/230	Man.	5.0	11.25
1	1725	56	**M009088**	317	A	32	115-208/230	Man.	6.8	11.25
1 ½	1725	56	**M009089**	384	A	47	115-208/230	Man.	9.0	13.31
2	1725	56HZ	**M009090***	405	A	50	230	Man.	9.5	14.25
C Flange		56	**M064076**	26	A	—	—	—	—	—
C Flange		56HZ/140T	**M064077**	26	A	—	—	—	—	—

* Combination 56HZ base has mounting holes for NEMA 56 and 143-5T and a standard 145T frame shaft of 7/8" diameter.

MILK TRANSFER PUMP MOTOR

General Specifications: Totally enclosed non-ventilated motor. Direct replacement for Surge milk pumps, Babson motor #27732.

Mechanical Features: Special moisture resistant design with double sealed ball bearings. Bearings and bearing cavities packed with high temperature moisture resistant lubricant. Drain holes to expel moisture and water. Epoxy paint.

Electrical Features: Permanent split capacitor design for reliability and improved efficiency. High temperature insulation. Class B insulation system. Requires 30 MFD, 370 VAC capacitor, separately mounted—not supplied.

SINGLE PHASE • RIGID BASE • TENV

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/2	3450	56CZ	**113939**	$536	A	24	230	None	4.5	13.11

FEED-AUGER DRIVE MOTORS DUST-TIGHT

Dust-tight, capacitor start motor with your choice of field proven electronic or protected mechanical starting switch—both eliminate damage caused when motor is over-speeded by obstructed auger.

Ball bearing, heavy duty industrial quality designs for high overload capacity. Side mounted conduit box. Flange mounts directly to drive assembly. Fully gasketed to keep out feed dust. Has screw driver slot in rear shaft. Continuous duty, with manual thermal overload protection. **Motors of 3/4 HP and less in the two adjacent charts have shaft of ½" diameter x 1½" length, with flat; motors 1 HP and larger have ⅝" diameter x 1.97" length, with key.**

Cat. No. C1293

SINGLE PHASE • TEFC • 60 HERTZ

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (in.)	Footnote
1/3	1725	48NY	**H646**	$172	RB1CAC	19	115/230	Man.	5.3/2.7	11.07	▼,❄,▲
	1725	48YZ	**101159**	445	A	20	115/230	Man.	3.5	10.84	
	1725	48Y	**101435**	390	A	20	115/230	Man.	3.5	10.84	⑨
	1725	56NY	**C1291**	172	RB1CAC	21	115/208-230	None	5.8/2.8-2.9	12.00	
1/2	1725/1425	56NY	**C1292**	231	RB1CAC	23	115/208-230	Man.	8.4/4.0-4.2	12.00	★,◆
	1725	48YZ	**101120**	463	A	22	115/230	Man.	4.4	10.84	
	1725	48Y	**101436**	403	A	22	115/230	Man.	4.4	10.84	⑨
3/4	1725	48YZ	**101119**	496	A	29	115/230	Man.	5.4	11.84	
	1725	56NY	**C1293**	266	RB1CAC	31	115/208-230	None	8.4/4.5-4.2	13.13	
	1725	48YZ	**101437**	436	A	32	115/230	Man	5.4	11.84	⑨
1	1725	56NY	**113302**	501	A	36	115/230	Man.	7.0	12.61	⑨
	1725/1425	56NY	**C1294**	327	RB1CAC	40	115/208-230	Man.	10.8/6.0-5.4	14.51	▼,◆
1½	1725	56NY	**C1295**	466	RB1CAC	44	115/208-230	Man.	14.5/7.1-7.3	14.51	▼
	1725	56NY	**113301**	624	A	45	115/230	Man.	6.5	13.62	☆⑨

⑨ Mechanical centrifugal starting switch with overspeed protection, others have electronic switch.
★ Shaft extension 1-13/16" long by 1/2 dia. with 6-3/8 mounting flange
▼ Shaft extension 1-7/8" long by 5/8" dia. with 6-3/8 mounting flange
❄ Split phase
▲ TENV construction
◆ Designed for 50 or 60 Hz operation

Catalogue numbers in blue are NEW items.

FAN & BLOWER MOTORS
SHAFT MOUNTED

FOR POULTRY AND LIVESTOCK VENTILATION • VARIABLE SPEED (EXCEPT ☒)

These fan and blower duty motors are designed for dependable, *energy saving* performance in applications where the fan is mounted on the shaft of the motor. The permanent split capacitor design does not require a centrifugal switch, resulting in higher reliability than on other types of single phase motors. Because of lower running amperages, this design is more energy efficient and less expensive to operate.

These motors may be operated at listed speed or two speed operation may be achieved by using the proper auxiliary switch. **They are suitable for variable speed by adjusting the voltage to the motor using a variable voltage control, except as noted by ☒.**

Overload protected with an automatic reset protector. Built-in terminal box for quick, easy connection. Grounding provisions.

Totally enclosed, dust-tight design, with precision double sealed ball bearings. Corrosion resistant finish for tough applications.

Because of the inherently low starting torques of this design, these motors are not suitable for belt-driven fan applications. They must be mounted within the air stream of the fan for cooling.

SINGLE PHASE • PSC • VARIABLE TORQUE
TEAO • DUST TIGHT • SHAFT MOUNTED

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	Mounting *	Shaft Length x Width (in.)
1/6	3000	3.4"	**M033217**	$157	A	7	115/230	Auto.	1.2	R,E	2
	3000	3.4"	**M033219**	157	A	7	115/230	Auto.	1.2	E	2
1/4	1725	48Y	**101252** ☒	323	A	19	115/230	Auto.	1.6	R,E	2-1/2 x 1/2
	1625	48Y	**M099799**	231	A	19	115/230	Auto.	1.5	R,E	2-1/2 x 1/2
	1625	48Z	**100803**	387	A	19	115/230	Auto.	1.6	R-B	2-1/4 x 1/2
	1075	48Z	**100824**	416	A	22	115/230	Auto.	1.5	R-B	2-1/4 x 1/2
	1075	S56Z	**100805**	398	A	23	115/230	Auto.	1.5	R-B	2-5/8 x 5/8
	1075	48Y	**M099260**	230	A	21	115/230	Auto.	1.2	R-E	2-1/2 x 1/2
1/3	1725	48Y	**M090253** ☒	239	A	22	115/230	Auto.	1.8	R,E	2-1/2 x 1/2
	1625	48Y	**M099800**	250	A	22	115/230	Auto.	1.8	R,E	2-1/2 x 1/2
	1635	48Y	**M090085**	250	A	20	115/230	Auto.	1.8	E	2-1/2 x 1/2
	1625	48Z	**100804**	392	A	22	115/230	Auto.	1.9	R-B	2-1/4 x 1/2
	1625	S56	**100767**	341	A	23	115/230	Auto.	1.9	R-B,E	1-7/8 x 5/8
	1625	56Y	**111202**	423	A	24	115/230	Auto.	1.7	P,B,E	3 x 1/2
	1625	56Y	**111348**	478	A	24	115/230	Auto.	1.7	B,P,E,R-B,F	3 x 1/2
	1125	S56Z	**100604**	383	A	23	115/230	Auto.	1.8	R,E	3 x 5/8
	1075	48Z	**100825**	447	A	24	115/230	Auto.	1.8	R-B,E	2-1/4 x 1/2
	1075	S56Z	**100806**	429	A	27	115/230	Auto.	1.8	R-B	2-5/8 x 5/8
	1075	48Y	**M099261**	250	A	21	115/230	Auto.	1.5	R,E	2-1/2 x 1/2
1/2	1725	S56Y	**101176** ☒	368	A	26	115/230	Auto.	3.2	R,E	2-1/2 x 5/8
	1625	48Y	**M099801**	270	A	29	115/230	Auto.	2.5	R,E	2-1/2 x 1/2
	1635	48Y	**M090086**	250	A	22	115/230	Auto.	2.5	E	2-1/2 x 1/2
	1625	S56	**100768**	391	A	36	115/230	Auto.	2.5	R-B	1-7/8 x 5/8
	1075	56HZ	**111321** ☐	500	A	36	115/230	Auto.	3.0	R-B,E	2-5/8 x 5/8
	1075	48Y	**M099262**	265	A	21	115/230	Auto.	2.8	R,E	2-1/2 x 1/2
	1060	48Y	**M099946**	260	A	26	115/230	Auto.	2.5	R,E	2-1/2 x 1/2
	825	56HZ	**111919** ☐ ☒	516	A	37	115/230	Auto.	3.2	R-B,E	2-5/8 x 5/8
	850	48YZ	**M099836** *	295	A	24	115/230	Auto.	3.0	R-B,E	2 x 1/2
3/4	1625	56Z	**111324**	475	A	34	115/230	Auto.	3.5	R-B,E	2-5/8 x 5/8
	1625	56	**111266**	473	A	35	115/230	Auto.	3.5	R-B	1-7/8 x 5/8
	1060	56HZ	**M099847**	408	A	36	115/230	Auto.	3.6	R,E	2-5/8 x 5/8
	1075	56HZ	**111322** ☐ ☒	545	A	36	115/230	Auto.	4.0	R-B,E	2-5/8 x 5/8
1	1625	56	**111267**	506	A	41	115/230	Auto.	4.4	R-B,E	1-7/8 x 5/8
	850	56C	**M009644**	366	A	45	230	Auto.	4.6	C	3-1/2 x 3/4

SPEED CONTROL • 10 AMP

Voltage	Catalogue Number	List Price
120 VAC	**MDF-112000**	$88
240 VAC	**MDF-132000**	88

*** MOUNTING LEGEND**

- R = Rigid Base
- E = Extended Thru-bolts (10-32 gauge extends 1" beyond the nut)
- R-B = Resilient Base
- C = C Flange
- B = BellyBand
- P = Pedestal (holes tapped - 2)
- F = Four bolt (holes tapped - 4)

☒ Single speed only. Not suitable for variable speed operation.
☐ Combination 56H base has mounting holes for NEMA 56 and 143-5T and a standard NEMA 56 frame shaft.
d To be discontinued when present stock is depleted.

FHP PERFORMA+

VARIABLE SPEED HIGH-PERFORMANCE AG FAN MOTORS

The all new *PERFORMA+* brings fan motor performance to a new level. These high-efficiency motors feature exceptional variable speed performance.

Features:

Water-tight connection end compartment with removable cover, houses the capacitor, thermal protector and wiring—allowing unimpeded airflow over the motor frame.

Locked, double-sealed bearings for all angle mounting, including vertical shaft up.

Oil seal in drive end repels moisture and contaminants.

Class F insulation with Class B rise.

Permanent split capacitor type design eliminates the centrifugal switch for "three phase" type reliability.

Automatic thermal overload protection.

THREE-ARM REPLACEMENT MOTORS

These Performa+ motors are designed for easy and economical replacement of other popular three-arm fan motors. The motors feature adjustable brackets. ARM12FPKIT has three arms and mounting hardware. By simply cutting the arms to length you can cover many different fan and housing sizes.

PEDESTAL FAN MOTORS

LEESON FHP totally enclosed, airover fan motors for air circulators where motor is mounted directly to fan column.

Energy efficient, permanent split capacitor type design eliminates the centrifugal switch for "three phase" reliability. Totally enclosed ball bearing design for commercial and industrial environments. Automatic thermal overload protection, reversible.

Heavy-gauge steel yoke is welded to the motor frame. Four mounting studs are extended 1/2" on 5.14" bolt circle for mounting of fan shroud.

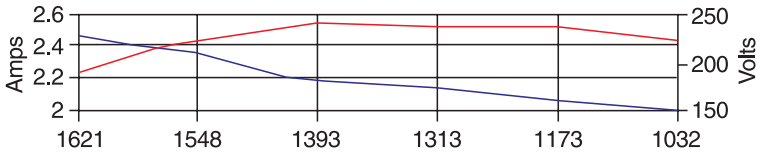
TEAO • RIGID BASE • EXTENDED THRU-BOLTS

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	Shaft Length (in.)
1/4	1625	48Y	**M099899**	$255	A	18	115-208/230	Auto.	1.3	2
	1060	48Y	**M099460**	274	A	21	115/208-230	Auto.	1.3	2
	1625	48YZ	**M099909^**	240	A	18	115/208-230	Auto	1.3	2
1/3	1625	48Y	**M099900**	265	A	19	115-208/230	Auto.	1.8	2
	1060	48Y	**M099461**	295	A	22	115/208-230	Auto.	1.9	2
	1625	48YZ	**M099910^**	251	A	19	115/208-230	Auto	1.8	2
1/2	1650	48Y	**M099901**	295	A	22	115-208/230	Auto.	2.6	2
	1060	48Y	**M099462**	320	A	25	115/208-230	Auto.	2.8	2
	1625	48YZ	**M099911^**	282	A	22	115/208-230	Auto	2.6	2

^ Requires Mounting Bracket ARM12FP

Description	Catalogue Number	List Price	Disc. Sym.	Wgt. (lbs.)
^ Mounting bracket kit/with hardware	**ARM12FPKIT**	20	A	2

PERFORMA+ Fan Motor Performance @ 0.05 Inches S.P.



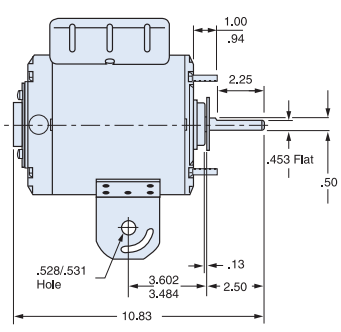
Variable speed graph for catalogue M099901 using a Norsol Vari-Vent control.

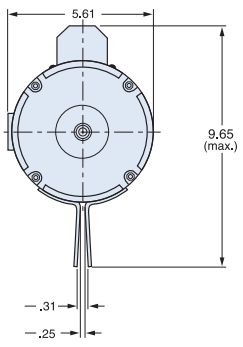
AMPS
VOLTS

PSC • *WITH ON/OFF SWITCH • PULL CHAIN 10 FT. CORD AND PLUG

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V
1/4	1650	48Y	**M099731**	$175	A	17	115-208/230	Auto.	1.3
	1650	48Y	**M099728***	205	A	19	115	Auto.	1.3
	1060	48Y	**M080891**	221	A	21	115/208-230	Auto.	1.2
1/3	1650	48Y	**M099732**	195	A	20	115-208/230	Auto.	1.7
	1650	48Y	**M099729***	225	A	22	115	Auto.	1.7
	1060	48Y	**M080892**	240	A	24	115/208-230	Auto.	1.5
1/2	1650	48Y	**M099733**	225	A	22	115-208/230	Auto.	2.3
	1650	48Y	**M099730***	235	A	23	115	Auto.	2.3
	1060	48Y	**M080893**	254	A	26	115/208-230	Auto.	2.7

* With switch cord and plug





FAN & BLOWER MOTORS
SINGLE PHASE

PREMIUM EFFICIENCY INDUSTRIAL/RESIDENTIAL BELTED FAN MOTORS

High-efficiency motors for residential or industrial belted fan application.

Features include quiet bearings, resilient cradle base and "Super-Hush" flow-through ventilation.

Rotors are specially balanced for smooth and quiet operation.

Spade connectors on terminal board in standard wiring format along with industry standard mounting allow for quick and easy interchange with other makes.

OPEN DRIP-PROOF • 115V • SINGLE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 115V	% F.L. Eff.	"C" Dim. (Inches)
1/4	1725	48	**M090602**	$193	F	15	115	Auto.	2.5	71.0	9.88
1/3	1725	48	**M090405**	200	F	19	115	Auto.	3.2	75.0	9.88
1/2	1725	48	**M090585**	217	F	22	115	Auto.	4.6	76.0	10.50

Premium efficiency FHP® brand motors.

Features:
- Drop-in replacement for most standard belted-fan motors
- Extremely quiet running compared to standard fan motors
- Consumes approximately half of the power of a standard fan motor

RESIDENTIAL/INDUSTRIAL BELTED FAN MOTORS SPLIT PHASE

Designed for use in residential and commercial fans and blowers where low starting torque is required. (Air conditioners, roof ventilators and exhaust fans.)

Features:

Sleeve or ball bearings.

NEMA Service factors.

Resilient "cradle" style base.

48Y frame has both 48 and 56 frame mounting holes.

OPEN DRIP-PROOF • RESILIENT BASE • AUTOMATIC OVERLOAD

HP	RPM 60 Hz	NEMA Frame	Bearing Type	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 115V	"C" Dim. (Inches)
1/4	1725	48YZ	Sleeve	**M900195**	$129	A	13	115	Auto.	5.0	9.72
1/3	1725/1140	56	Ball	**M900277**	262	A	20	115	Auto.	5.3/2.9	10.72
	1725	48YZ	Sleeve	**M900196**	137	A	15	115	Auto.	6.1	9.72
1/2	1725/1140	56	Ball	**M900599**	322	A	30	115	Auto.	8.1/4.5	11.85
	1725	48YZ	Sleeve	**M900197**	180	A	20	115	Auto.	7.2	10.72

HATCHERY AND INCUBATOR FAN MOTORS

Cat. No. 101341

Cat. No. 114102

SINGLE PHASE • TEAO

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 115V	"C" Dim. (Inches)
1/4	1625	48Y	101341	$166	A	17	115/230	Auto.	1.4	8.93
1/2-0.22	1725/1140	56H	114102	355	A	33	115	Auto.	** 9.3-5.6	11.81

General Specifications:

Capacitor-type replacement motors for hatchery and incubator fan motors.

Catalogue number 101341 is a permanent split capacitor motor for fan on shaft incubator fans. Band mounted, with 1" long extended through bolts for fan shroud. Shaft diameter ½" with 2¼", with full length flat. Connections in end of motor through ½"-14 NPT tap. UL Listed thermal overload. 15 MFD, 3700 run capacitor shipped loose with motor.

Catalogue number 114102 is a split phase two-speed motor, dust-tight and totally enclosed for belt driven hatchery cooling fans. Resilient base. With UL Listed automatic thermal overload. Requires no capacitor.

Mechanical Features:

Double shielded ball bearings permanently lubricated with Exxon PLOYREX® EM lubricant having a temperature range of -40°F to +320°F and special formulation for extra long life and moisture resistance.

Catalogue numbers in blue are NEW items.

AGRICULTURAL FAN MOTORS BELT DRIVE • TEAO

FHP motors designed for use in agricultural belted fan applications. These motors feature capacitor start/capacitor run configuration for hi-efficiency. They should be mounted in the airstream for proper cooling. They also feature a heavy gauge steel frame with rigid 56/140 combination base.

HIGH-EFFICIENCY • SINGLE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Eff.	Over-load Prot.	F.L. Amps 230V
1/2	1725	56	**M009580**	$250	A	28	115/208-230	80.6	Auto.	2.2
3/4	1725	56H	**M009581**	256	A	30	115/208-230	82	Auto.	3.4
1	1725	56H	**M009782**	285	A	37	115/208-230	85	Auto.	4.3
1½	1725	56H	**M009594**	314	A	39	115/208-230	78	Auto.	6.8
2	1725	143T	**M009595***	405	A	50	230	83	Auto.	9.5

* This model has a side mounted conduit box while the others have a built in box in the NDE.

AERATION FAN MOTORS DIRECT DRIVE • TEAO

Totally enclosed air over motors, dust-tight, suitable for shaft-mounted fans or belt driven fans. Capacitor start designs. Designed to be used within the airflow of the driven fan, these motors offer protection from the environment and are finished in epoxy enamel to resist corrosion in tough atmospheres. Lubricated with high temperature Exxon POLYREX® EM lubricant. Grounding provisions. Fully gasketed. Single phase motors have built-in terminal panel for quick, easy connections.

SINGLE PHASE • CAPACITOR START • TEAO • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3/4	3450	56Z	**111332**⑦	$449	A	27	115/230	None	5.0	10.88
1	3450	56Z	**111333**⑦	458	A	28	115/230	None	6.0	10.88
1½	3450	56Z	**111949**⑦	466	A	40	115/230	None	8.5	11.38
	3450	143TZ	**120374**⑧	481	A	40	115/230	None	8.5	11.88
2	3450	145TZ	**120375**⑧	549	A	41	230	None	10.0	13.38
3	3450	145T	**120376**☆	616	A	47	230	None	13.6	13.88

These TEAO motors have a 1.0 Service Factor.
Built-in terminal panel for quick easy connections.

⑦ Standard 5/8" diameter shaft with keyway plus 3/4" deep hole drilled and tapped to 10-24 UNC in end of shaft to facilitate mounting of some fan blades.
⑧ Standard 7/8" diameter shaft with keyway plus 3/4" deep hole drilled and tapped to 1/4-20 UNC in end of shaft to facilitate mounting of some fan blades.
☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.

CROP DRYER MOTORS

Open air over, fan-on-shaft design motors for crop drying applications. Designed for continuous duty operation. Class F insulation system. Thermostats provide thermal overload protection on all units. Extra nameplate included for remote mounting. Keyed shaft with 1/4-20 UNC tapped hole in end.

Capacitors supplied on single phase models. All models include sealed bearings, rodent screens, gray epoxy paint and 34" leads exiting the motor at 12 o'clock.

SINGLE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
5-7	3450	182TZ	**131847**	$974	A	76	230	T-Stat	27.2-35.0	16.44
7.5-10	3450	182TZ	**131848**	1007	A	89	230	T-Stat	31.0-42.0	16.44
10-15	3450	215TZ	**140640**	1579	A	159	230	T-Stat	39.5-61.5	20.42

THREE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalogue Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
5-7.5	3450	184TZ	**131849**	$884	A	70	208-230/460	T-Stat	19.0	13.94
7.5-10	3450	184TZ	**131850**	990	A	83	208-230/460	T-Stat	24.2	15.44
10-15	3450	215TZ	**140641**	1047	A	115	208-230/460	T-Stat	40.0	17.41