

LEESON® POULTRY MOTORS

SINGLE AND THREE PHASE

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 1/2" diameter x 1 1/2" length, with flat; motors 1 HP and larger have 5/8" diameter x 1.97" length, with key.**

SINGLE PHASE • TEFC • 60 HERTZ

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1800	48YZ	101159.00	21	115/230	Man.	3.1	10.47
	1800	48YZ	101435.00®	21	115/230	Man.	3.1	10.47
1/2	1800	48YZ	101120.00	22	115/208-230	Man.	4.0	10.72
	1800	48YZ	101436.00®	22	115/208-230	Man.	4.0	10.47
3/4	1800	48YZ	101119.00	24	115/208-230	Man.	5.4	11.47
	1800	48YZ	101437.00®	28	115/230	Man.	5.4	11.47
1	1800	56YZ	112615.00	35	115/230	Man.	7.0	12.11
	1800	56YZ	113302.00®	35	115/208-230	Man.	7.0	12.61
1 1/2	1800	56YZ	113280.00☆	47	115/208-230	Man.	6.5	13.62
	1800	56YZ	113301.00☆®	44	115/230	Man.	6.5	13.62

SINGLE PHASE • TEFC • 50 HERTZ

HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 220V	"C" Dim. (Inches)
1/2	1800	48YZ	101643.00®A	26	110/220	Man.	4.0	11.47
3/4	1800	48YZ	101644.00®A	30	110/220	Man.	5.8	12.22
1	1800	56YZ	113906.00®A	39	110/220	Man.	6.4	12.61
1 1/2	1800	56YZ	113907.00®A	48	110/220	Man.	8.6	13.61

HATCHERY AND INCUBATOR FAN MOTORS



Cat. No. 101341



Cat. No. 114102

General Specifications:

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

Catalog 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 1/2" by 2 1/4", with full length flat. Connections in end of motor through 1/2"-14 NPT tap. UL Listed thermal overload. 15 MFD, 370V run capacitor shipped loose with motor.

SINGLE PHASE • TEAO

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1800	48Y	101341.00	17	115/230	Auto.	1.4	8.93
1/2-0.22	1800/1200	56H	114102.00	33	115	Auto.	** 9.3-5.6	11.81

Catalog 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 POLYREX® EM lubricant having a temperature range of -40°F to +320°F and special formulation for extra long life and moisture resistance.

FEATHER PICKER MOTORS

Motors with the dimensions to replace the MEYN drive motor. Phosphatized or stainless, drilled and tapped metric shaft for easy mounting. Special duty rating with extra high breakdown torques for superior performance on this demanding application. See page 25 for complete listing of WASHGUARD features.



Totally enclosed fan cooled construction, sealed bearings, condensate drains, USDA approved food-safe tough white epoxy finish.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

THREE PHASE • TEFC

HP/KW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
2	1800	145T	121934.00	54	208-230/460	7.0	86.5	14.76
2*	1200	184TZ	132246.00	96	230/460	7.2	88.5	15.96
2/1.5*	1200	112M▶	132247.00	96	230/460	7.2	88.5	15.96
3	1800	56HZ	115751.00■	45	208-230/460	8.6	82.5	14.25
	1800	145T	121944.00♣	45	230/460	8.6	82.5	14.25

Note: Catalog Number 115751 has a 303 stainless steel shaft.

- Combination 56HZ base has mounting holes for NEMA 56 and a standard NEMA 145T frame shaft of 7/8" diameter.
- ♣ These motors have a 1.5 continuous duty service factor, 3 HP continuous.
- ▶ IEC frame. See page 310 for dimensions.
- ☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
- ® Mechanical centrifugal starting switch with overspeed protection, others have electronic switch.
- ** F.L. Amps listed are for high speed and low speeds, respectively, at 115 volts.
- A Subject to Availability.
- ♣ Inverter Duty Only Motor



Signature Series AGRICULTURE FAN

**115 VOLTS • 1-PHASE
DIRECT DRIVE-THRU BOLT • OVERLOAD PROTECTION
1/4 TO 1/3 HP**

Features:

- Totally Enclosed
- 1/2" extended thru-bolts
- Shafts:
 - 48Y frame – 1/2" dia. x 1-1/2" long shaft with flat
 - 48YZ frame – 1/2" dia. x 2-1/2" long shaft with two flats, 90° apart
- Continuous duty
- Fully gasketed



Applications:

Designed for demanding direct drive agricultural fan applications such as poultry house fans and barn exhaust fans.

Two speed designs must be mounted in airstream for proper cooling.

SINGLE SPEED

HP	Speed (RPM)	Frame	SF	Volts	Model Number	Product Number	Notes	Approx Shpg Wght (lbs)
1/4	1725	48Y	1.00	115	SPN4S0.25TZNY1S6001TP1-1	LM24488	ML	10

TWO SPEED

HP	Speed (RPM)	Frame	SF	Volts	Model Number	Product Number	Notes	Approx Shpg Wght (lbs)
1/4	1725/1140	48YZ	1.00	115	SPA4/6/1S0.25/0.25TZNY1S6001TP2-1	LM24492	AT	17
1/3	1725/1140	48YZ	1.00	115	SPA4/6/1S0.33/0.33TZNY1S6001TP2-1	LM24491	AT	18

AT = Automatic Overload Protection
ML = Manual Overload Protection



Signature Series AGRICULTURE FAN

**115 & 230 VOLTS • 1-PHASE
RESILIENT BASE-THRU BOLT • OVERLOAD PROTECTION
1/4 TO 1/2 HP**

Features:

- Totally Enclosed, Air Over
- Extended thru-bolts on 48Z frame
- Shafts:
 - 48Z – 1/2" diameter x 2-1/2" long shaft with two flats
 - 56Z – 1/2" diameter x 2-1/2" long shaft with key
- Includes 5/8" dia. shaft adapter sleeve with key
- Continuous duty
- Fully gasketed



Applications:

Designed for demanding agricultural fan applications such as poultry house fans and barn exhaust fans.

Motor must be mounted in airstream for proper cooling.

HP	SYN RPM	Frame	SF	Volts	Model Number	Product Number	Notes	Approx Shpg Wght (lbs)
1/4	1800	48Z	1.00	115	SPA4S0.25TZRY1S6001TP2-1	LM24487	AT	17
1/3	1800	48Z	1.00	115	SPA4S0.33TZRY1S6001TP2-1	LM24486	AT	21
1/2	1800	56Z	1.00	115/230	SRA4S0.5TZR1S6027TP2-1	LM24809	AT	24

AT = Automatic Overload Protection

Product numbers in red are STOCK items.

Specifications are subject to change without notice