



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 sealed 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.

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



HIGH TORQUE • RIGID BASE SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	56	113256	\$366	A	20	115/208-230	Man.	3.2	10.81
1/2	1725	56	110086	426	A	22	115/208-230	Man.	4.4	10.81
3/4	1725	56	110087	503	A	26	115/208-230	Man.	5.4	11.31
1	1725	56	110088	578	A	30	115/208-230	Man.	7.0	11.81
	1725	143T	121569	582	A	30	115/208-230	Man.	7.0	12.75
1½	1725	56H	110089	645	A	41	115/208-230	Man.	8.6	12.61
	1725	56HZ/145T	113938	656	A	39	115/208-230	Man.	8.6	13.25
2	1725	56HZ/145T	110090	925	A	43	230	Man.	9.2	13.75
	1740	182T	131541	986	B	50	115/208-230	Man.	12.4	14.46
3	1740	184T	131542	1033	B	83	230	Man.	19.0	16.46
5	1740	184T	131543	1294	B	96	230	Man.	20.5	17.46
7½	1740	215T	140707	1546	B	144	230	Man.	32.0	20.21
10	1740	215T	140706	1811	B	152	230	Man.	40.0	20.71

EXTRA HI-TORQUE RIGID BASE SINGLE PHASE • TEFC

Extra Hi-Torque rated 5, 7½ and 10 HP Motors deliver starting torque as high as 300-400% of motor's full load torque with all mechanical and electrical features listed above.



HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
2	1740	182T	131541	\$986	B	50	115/208-230	Man.	12.4	14.46
3	1740	184T	131542	1033	B	83	230	Man.	19.0	16.46
5	1740	215T	140203	1548	B	119	230	Man.	24.0	18.71
	1740	215TZ	140223	1577	B	150	230	Man.	24.0	18.71
7½	1740	215T	140130	1686	B	144	230	Man.	33.6	20.21
	1740	215TZ	140209	1817	B	141	230	Man.	33.6	20.21
10	1740	215T	140414	1976	B	156	230	Man.	40.0	20.71

HIGH TORQUE C FACE LESS BASE SINGLE PHASE • TEFC

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



HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	56C	113290	\$484	A	28	115/208-230	Man.	3.2	10.81
1/2	1725	56C	110492	554	A	22	115/208-230	Man.	4.4	10.81
3/4	1725	56C	110493	648	A	29	115/208-230	Man.	5.4	11.31
1	1725	56C	110494	735	A	33	115/208-230	Man.	7.0	11.81
1½	1725	56C	110495	835	A	43	115/208-230	Man.	8.6	12.31
2	1725	145TC	120855	1084	B	45	230	Man.	9.2	13.75
3	1740	184TC	131603	1471	B	104	230	Man.	19.0	16.47
5	1740	184TC	131602	1804	B	104	230	Man.	20.5	17.47

HIGH TORQUE C FACE WITH BASE SINGLE PHASE • TEFC

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



HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	56C	116485	\$501	A	29	115/208-230	Man.	3.2	10.81
1/2	1725	56C	116486	574	A	23	115/208-230	Man.	4.4	10.81
3/4	1725	56C	116487	669	A	30	115/208-230	Man.	5.4	11.31
1	1725	56C	116488	760	A	34	115/208-230	Man.	7.0	11.81
1½	1725	56HC	116489	855	A	44	115/208-230	Man.	8.6	12.81
2	1725	145TC	121625	1091	B	46	230	Man.	9.2	13.75
3	1740	184TC	131994	1499	B	105	230	Man.	19.0	16.47
5	1740	184TC	131995	1813	B	105	230	Man.	20.5	17.47

■ 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.
 † 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.

TWO-WINDING VARIABLE TORQUE PSC TYPE FOR SHAFT MOUNTED FAN APPLICATIONS

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. This design is also 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. Grounding provisions. Totally enclosed, dust tight design, with resilient mounting for quiet operation. Lubricated with quiet running high temperature lubricant. 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 driven fan.

SINGLE PHASE • PSC • TEAO • RESILIENT BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1625	48Z*	100803	\$349	A	19	115/230	Auto.	1.4	10.66
	1075	48Z*	100824	411	A	20	115/230	Auto.	1.4	10.66
	1075	S56Z*	100805	441	A	22	115/230	Auto.	1.4	11.06
1/3	1625	48Z*	100804	376	A	21	115/230	Auto.	1.6	10.66
	1625	S56H	100767	406	A	22	115/230	Auto.	1.6	10.31
	1625	56HY	111348②	406	A	24	115/230	Auto.	1.7	13.44
	1075	48Z*	100825	476	A	25	115/230	Auto.	1.8	11.16
	1075	S56HZ*	100806	505	A	27	115/230	Auto.	1.8	11.56
1/2	1625	56HZ*	111323	424	A	30	115/230	Auto.	2.6	12.56
	1625	S56H	100768	432	A	36	115/230	Auto.	2.2	10.81
	1075	48Z*	101645	557	A	33	115/230	Auto.	2.8	11.16
	1075	56HZ*	111321□	547	A	37	115/230	Auto.	3.0	13.56
	850	48YZ⊕	M099836∇	380	A	24	115/230	Auto.	3.0	11.55
825	56HZ*	111919□∇	677	A	40	115/230	Auto.	3.2	13.56	
3/4	1625	56HZ*	111324	627	A	34	115/230	Auto.	3.5	13.06
	1625	56H	111266	627	A	36	115/230	Auto.	3.5	12.31
	1075	56HZ*	111322□∇	646	A	44	115/230	Auto.	4.0	13.56
1	1625	56HZ	111267	658	A	39	115/230	Auto.	4.4	12.81

These motors have a 1.0 Service Factor

SINGLE PHASE • PSC TYPE • RIGID BASE TOTALLY ENCLOSED AIR OVER (TEAO)

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1750	48Y	101252∇	\$344	A	19	115/208-230	Auto.	1.5	10.90
	1625	48Y	100699	341	A	19	115/230	Auto.	1.4	10.65
	1625	48Y	M099799	270	A	19	115/230	Auto.	1.5	10.79
	1075	48Y	M099260	282	A	21	115/230	Auto.	1.2	10.83
1/3	1725	48Y	M090253∇	279	A	22	115/230	Auto.	1.8	10.47
	1750	48Y	101253∇	398	A	22	115/208-230	Auto.	1.9	10.65
	1625	48Y	100700	395	A	22	115/230	Auto.	1.6	10.65
	1625	56Y	111202①	395	A	24	115/230	Auto.	1.7	12.00
	1625	48Y	M099800	306	A	22	115/230	Auto.	1.8	10.79
1075	48Y	M099261	333	A	21	115/230	Auto.	1.5	11.34	
	1140	S56Y	100604	496	A	23	115/230	Auto.	1.8	11.40
1/2	1750	S56Y	101176/∇	421	A	26	115/230	Auto.	3.5	10.40
	1625	48Y	100701	418	A	29	115/230	Auto.	2.5	12.15
	1625	48Y	M099801	330	A	29	115/230	Auto.	2.5	10.79
	1075	48Y	M099946	344	A	26	115/230	Auto.	2.5	11.81
3/4	1075	56HZ	M099847	532	A	36	115/230	Auto.	3.6	13.56

* The useable shaft of this motor is 3/4" longer than NEMA standard to accommodate fan on shaft mountings. 48Z is 1/2" diameter by 2 1/4". 56Z is 5/8" diameter, 2 5/8" long. All have 1" extended through bolts. Except Catalog Numbers 100805 and 100806 which are extended 1/4".

∇ Suitable for single speed operation only.

□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.

① Has provisions for belly band and pedestal fan mount—no rigid base.

② In addition to resilient base, this motor has provisions for belly band and pedestal fan mount.

✓ This split phase start, capacitor run motor is suitable for belt drive within the airflow of the fan.

⊕ Shaft is 5/8" by 2.0"

** Shaft is 5/8" by 2 5/8"

* Shaft is 3/4" by 3 1/2"



VENTILATION FAN MOTOR SHAFT-MOUNTED • DUST-TIGHT

Totally enclosed, high efficiency, permanent split capacitor motor for direct drive exhaust ventilation fans in poultry and livestock houses. Fully gasketed, dust-tight construction with sealed bearings and shaft slinger. Automatic thermal overload protector. Extended through-bolts for mounting, no base. Built-in terminal panel for quick, easy connection. Grounding provision.

Because of the inherently low starting torque of this design, this motor is not suitable for belt-driven fan applications. It must be mounted in the air stream of the fan for cooling.



SINGLE PHASE • TEAO • THRU BOLT MOUNT

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1625	48Y	M090085	\$299	A	20	115/230	Auto.	1.8	10.79
1/2	1625	48Y	M090086	323	A	22	115/230	Auto.	2.5	10.79
	825	56Z	114620∇	561	A	35	115/230	Auto.	3.2	12.63
	850	48Y	M099250**∇	363	A	24	115/230	Auto.	3.0	11.00

SINGLE & THREE PHASE • TEAO • C FACE LESS BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	Phase	F.L. Amps 230V	"C" Dim. (Inches)
1/2	850	S56C	M099251∇	\$366	A	24	115/230	Auto.	1	3.0	10.40
1	850	S56CZ	M009644∇*	614	A	45	230	Auto.	1	4.6	15.60
1/2	850	56C	116201	505	A	35	208-230/460	...	3	3.0	10.90
1	850	56C	116202	628	A	45	208-230/460	...	3	5.0	12.90

LEESON[®] AGRICULTURAL MOTORS

SINGLE AND THREE PHASE

AERATION FAN MOTORS BELT-DRIVEN • DUST-TIGHT

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.



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 3/4" leads exiting the motor at 12 o'clock.

GRAIN STIRRING MOTORS DUST-TIGHT

Dust-Tight Motors designed to operate inside agricultural storage bins for stirring grain, corn and other agricultural products.



Mechanical Features:

External cast aluminum cooling fan at shaft end keeps grain from obstructing fan operation. Pre-lubricated double shielded ball bearings packed with Exxon POLYREX[®] EM grease (temperature range -20°F to +350°F). Totally enclosed construction with gasketed conduit box and capacitor cases. Moisture drain hole in endshield opposite shaft for vertical shaft up mounting. Rugged 205 bearing shaft-end. Shaft is 7/8" diameter, useable length of 15/16". "BA" dimension is 35/8".

Electrical Features:

Energy-saving, extra high torque designs.

SINGLE PHASE • CAPACITOR START • TEAO • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3/4	3450	56	111332 ^⑦	\$353	A	27	115/230	None	5.0	10.90
1	3450	56	111333 ^⑦	418	A	29	115/230	None	6.0	10.90
1½	3450	56	111949 ^⑦	541	A	32	115/230	None	8.5	11.40
	3450	143TZ	120374 ^⑧	581	B	31	115/230	None	8.5	11.84
2	3450	145TZ	120375 ^⑧	708	B	41	230	None	10.0	13.34
3	3450	145T	120376 [☆]	745	B	45	230	None	12.8	13.84

THREE PHASE • TEAO • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
3/4	3450	56Z	111334 ^⑦	\$360	A	21	208-230/460	2.4	75.5	9.90
1	3450	56Z	111335 ^⑦	392	A	22	208-230/460	3.2	77.0	9.90
1½	3450	143TZ	120377 ^⑧	450	B	31	208-230/460	4.2	82.5	11.34
2	3450	145TZ	120378 ^⑧	532	B	34	208-230/460	5.6	82.5	11.84
3	3450	145T	120379 ^⑧	598	B	38	230/460	7.6	84.0	12.34

SINGLE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
5-7	3450	182TZ	131847	\$1108	B	91	230	T-Stat	27.2-35.0	16.44
7.5-10	3450	182TZ	131848	1231	B	95	230	T-Stat	31.0-42.0	16.44
10-15	3450	215TZ	140640	1893	B	159	230	T-Stat	39.5-61.5	20.42

THREE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalog 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	\$897	B	70	208-230/460	T-Stat	19.0	13.94
7.5-10	3450	184TZ	131850	1048	B	85	208-230/460	T-Stat	24.2	15.44
10-15	3450	215TZ	140641	1265	B	95	208-220/440	T-Stat	40.0	17.41

SINGLE PHASE • RIGID BASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1½	1725	56HZ	111330 [☆]	\$688	A	42	115/208-230	Man.	8.6	12.31

THREE PHASE • RIGID BASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1½	1725	56HZ	111329	\$700	A	38	208-230/460	5.4	80.0	11.81

These Grain Stirring motors have NEMA Service Factor of 1.0

^⑦ Standard 5/8" 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.
^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.

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

CATFISH POND MOTORS

Specially designed for aeration systems used on aquaculture ponds, these motors are designed for dependable outdoor applications. Typically C-face connected to a right-angle gearbox and installed on a floating aeration platform.



Hi-torque motors are epoxy-painted with a corrosion-resistant interior coating. Stainless hardware, fan guard, lifting lug, and conduit box cover for maximum protection against corrosion. Drain holes in the conduit box and in four positions on each end of the frame to purge condensate and moisture that may enter the motor. Ball bearings are double-sealed and lubricated with Exxon POLYREX[®] EM high temperature, moisture resistant lubricant.

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

IRRIGATION BOOSTER PUMP MOTOR

Threaded-shaft jet pump motor for shaft-down mounting. TEFC with rain canopy. Locked bearing on shaft end, for longer motor life. Neoprene shaft flinger repels moisture. Drain holes in C face and conduit box. Epoxy paint and fully gasketed. Stator impregnated with extra-heavy varnish system.



IRRIGATION DRIVE MOTORS

Specially designed for pivoting irrigation systems exposed to severe weather environments and operating conditions.

Mechanical Features:

Double sealed ball bearings prelubricated with Exxon POLYREX[®] EM grease having an operating temperature range of -20°F to +350°F and special formulation to provide extra long life and moisture resistance. Moisture drain holes at shaft-end of motor. Die cast aluminum conduit box fully gasketed. Epoxy paint for corrosion resistance. Externally fan cooled with rain canopy over cooling fan, for shaft down mounting.



Electrical Features:

"Extra high" starting torque, Class "F" copper windings. Specially treated windings for excessive moisture conditions. Capable of multiple starts and stops. Automatic protector for overload and low voltage protection.

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 Class F insulation system. Requires 30 MFD, 370 VAC capacitor, separately mounted – not supplied.

SINGLE AND THREE PHASE • C FACE WITH BASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Phase	F.L. Amps 460V	"C" Dim. (Inches)
10	1740	215TC	140705*	\$2091	B	204	230	1	40.0	20.71
	1740	215TC	G140709	1206	B	169	208-230/460	3	26.0	18.71

* Single phase motor has manual reset overload protection

THREE PHASE • IRRIGATION BOOSTER • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 460V	% F.L. Eff.	"C" Dim. (Inches)
2	3450	56J	112991	\$671	A	33	460	2.8	84.0	14.34

C FACE LESS BASE • THREE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1725	56C	111304	\$648	A	30	460	2.4	75.0	12.34

These Irrigation Drive motors have a 1.25 Service Factor.

SINGLE PHASE • RIGID BASE • TENV

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/2	3450	56CZ	113939	\$450	A	42	230	None	4.5	13.07

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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	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	48YZ	101159	\$459	A	21	115/230	Man.	3.1	10.47
	1725	48YZ	101435 ®	442	A	21	115/230	Man.	3.1	10.47
1/2	1725	48YZ	101120	517	A	22	115/208-230	Man.	4.0	10.72
	1725	48YZ	101436 ®	505	A	22	115/208-230	Man.	4.0	10.47
3/4	1725	48YZ	101119	604	A	24	115/208-230	Man.	5.4	11.47
	1725	48YZ	101437 ®	520	A	28	115/230	Man.	5.4	11.47
1	1725	56YZ	112615	669	A	35	115/230	Man.	7.0	12.11
	1725	56YZ	113302 ®	652	A	35	115/208-230	Man.	7.0	12.61
1 1/2	1725	56YZ	113280 ☆	1111	A	47	115/208-230	Man.	6.5	13.62
	1725	56YZ	113301 ☆®	1096	A	44	115/230	Man.	6.5	13.62

SINGLE PHASE • TEFC • 50 HERTZ

HP	RPM 50 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 220V	"C" Dim. (Inches)
1/2	1425	48YZ	101643 ®	\$559	A	26	110/220	Man.	4.0	11.47
3/4	1425	48YZ	101644 ®	601	A	30	110/220	Man.	5.8	12.22
1	1425	56YZ	113906 ®	730	A	39	110/220	Man.	6.4	12.61
1 1/2	1425	56YZ	113907 ®	1221	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, 3700 run capacitor shipped loose with motor.

SINGLE PHASE • TEAO

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1625	48Y	101341	\$347	A	17	115/230	Auto.	1.4	8.93
1/2- 0.22	1725/ 1140	56H	114102	454	A	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	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
2	1740	145T	G121191	\$581	B	46	208-230/460	5.6	84.0	13.75
2*	1140	184TZ	G131575	886	B	84	230/460	7.2	86.5	15.96
2/1.5*	1140	112M▶	G131635	927	B	84	230/460	7.2	86.5	15.96
3	1740	56HZ	115751 ■	810	A	45	208-230/460	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 143-5T 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.

Catalog numbers in green are EPACT motors.



**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 tough applications in 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.

RIGID BASE • 115-208/230V • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56	M002256	\$355	A	24	115-208/230	Man.	2.9	11.00
1/2	1725	56	M009086	418	A	27	115-208/230	Man.	3.9	11.00
3/4	1725	56	M009087	487	A	30	115-208/230	Man.	5.0	11.50
1	1725	56	M009088	513	A	34	115-208/230	Man.	6.8	11.50
1½	1725	56	M009089	607	A	41	115-208/230	Man.	9.0	12.88
2	1725	56HZ	M009090	865	A	48	230	Man.	9.5	14.00
C Flange		56	M064076	47	A	3	—	—	—	—

C FACE LESS BASE • 115-208/230 • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56C	M002290	\$430	A	24	115-208/230	Man.	2.9	10.81
1/2	1725	56C	M009492	472	A	27	115-208/230	Man.	3.9	10.81
3/4	1725	56C	M009493	532	A	30	115-208/230	Man.	5.0	11.31
1	1725	56C	M009494	554	A	34	115-208/230	Man.	6.8	11.81

**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.

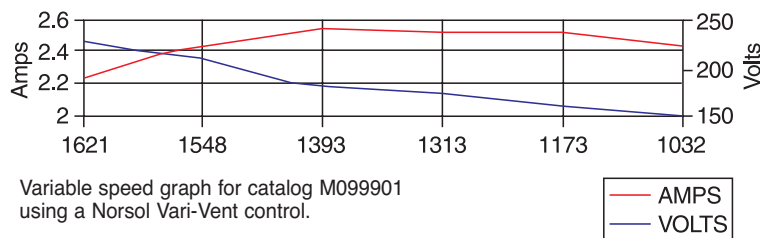


Locked, double-sealed bearings for all angle mounting, including vertical shaft up.
Oil seal in drive end repels moisture and contaminants.
Class F insulation with Class B rise.
Permanent split capacitor type design eliminates the centrifugal switch for "three phase" type reliability.
Automatic thermal overload protection.

TEAO • RIGID BASE • EXTENDED THRU-BOLTS

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	Shaft Length (in.)	"C" Dim. (in.)
1/4	1625	48Y	M099899	\$268	A	18	115-208/230	Auto.	1.3	2	11.30
	1075	48Y	M099460	288	A	21	115/208-230	Auto.	1.3	2	11.80
1/3	1625	48Y	M099900	284	A	19	115-208/230	Auto.	1.8	2	11.30
	1075	48Y	M099461	309	A	22	115/208-230	Auto.	1.9	2	11.80
1/2	1650	48Y	M099901	316	A	22	115-208/230	Auto.	2.6	2	11.70
	1075	48Y	M099462	336	A	25	115/208-230	Auto.	2.8	2	12.20

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



**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	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (in.)
1/2	1725	56	M009580	\$386	A	27	115/208-230	—	—	—
3/4	1725	56H	M009581	410	A	30	115/208-230	82	Auto.	3.4 10.83
1	1725	56H	M009782	427	A	37	115/208-230	85	Auto.	4.3 11.80
1½	1725	56H	M009594	509	A	39	115/208-230	78	Auto.	6.8 12.60
2	1725	145T	M009595 ^①	565	A	47	230	82	Auto.	9.5 12.80

① Motor M009595 has a frame mounted conduit box.