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.

HIGH TORQUE • RIGID BASE SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	56	**113256**	20	115/208-230	Manual	3.2	10.81
1/2	1725	56	**110086**	22	115/208-230	Manual	4.4	10.81
3/4	1725	56	**110087**	26	115/208-230	Manual	5.4	11.31
1	1725	56	**110088**	30	115/208-230	Manual	7.0	11.81
1½	1725	56H	**110089**☆□	41	115/208-230	Manual	8.6	12.61
	1725	56HZ/ 145T	**113938**■	39	115/208-230	Manual	8.6	13.25
2	1725	56HZ/ 145T	**110090**☆■	43	230	Manual	9.2	13.75
	1740	182T	**131541**†	50	115/208-230	Manual	12.4	14.46
3	1740	184T	**131542**†	83	230	Manual	19.0	16.46
5	1740	184T	**131543**†☆	96	230	Manual	23.0	17.46
7½	1740	215T	**140707**†☆	144	230	Manual	33.6	20.21
10	1740	215T	**140706**†☆	152	230	Manual	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	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	56C	**113290**	28	115/208-230	Manual	3.2	10.81
1/2	1725	56C	**110492**	22	115/208-230	Manual	4.4	10.81
3/4	1725	56C	**110493**	29	115/208-230	Manual	5.4	11.31
1	1725	56C	**110494**	33	115/208-230	Manual	7.0	11.81
1½	1725	56C	**110495**☆	43	115/208-230	Manual	8.6	12.31
2	1725	145TC	**120855**†☆	45	230	Manual	9.2	13.75
3	1740	184TC	**131603**†	104	230	Manual	19.0	16.47
5	1740	184TC	**131602**†☆	104	230	Manual	23.0	17.47

1.15 Service Factor, 1 HP and smaller.

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. See page 15 for complete list of features.

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	56	**113765**☆	27	115/208-230	Manual	1.7	76.0	10.81
1/2	1725	56	**113766**☆	30	115/208-230	Manual	2.5	78.0	11.31
3/4	1725	56	**113767**☆	35	115/208-230	Manual	3.2	82.0	11.81
1	1725	56	**113768**☆	37	115/208-230	Manual	4.2	83.0	12.31
1½	1725	56H	**113769**☆□	43	115/208-230	Manual	6.5	84.0	13.31
2	1725	56HZ	**113770**☆■	49	230	Manual	8.2	85.0	14.25

FOR ADDITIONAL WATTSAVER® MOTORS, SEE PAGES 15-18.

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	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
5	1740	215T	**140203**†☆	119	230	Manual	28.0	18.71
	1740	215TZ	**140223**†☆♦	150	230	Manual	28.0	18.71
7½	1740	215T	**140130**†☆	144	230	Manual	33.6	20.21
	1740	215TZ	**140209**†☆♦	141	230	Manual	33.6	20.21
10	1740	215T	**140414**†☆	154	230	Manual	40.0	20.71

■ 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 3⅜" and diameter of 1⅛" 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.

* 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 In addition to a rigid base, this motor has provisions for belly band and pedestal fan mount.
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 3/4" by 2"
✱✱ Shaft is 5/8" by 2 5/8"

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 • PSC • TEAO • RESILIENT BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1625	48Z*	100803	19	115/230	Auto	1.6	11.13
	1075	48Z*	100824	20	115/230	Auto	1.5	11.13
	1075	S56Z*	100805	22	115/230	Auto	1.5	11.56
1/3	1625	48Z*	100804	21	115/230	Auto	1.9	11.13
	1625	S56H	100767	22	115/230	Auto	1.9	11.31
	1625	56HY	111348②	24	115/230	Auto	1.7	13.44
	1075	48Z*	100825	25	115/230	Auto	1.8	11.13
	1075	S56HZ*	100806	27	115/230	Auto	1.8	12.56
1/2	1625	56HZ*	111323	30	115/230	Auto	2.6	12.56
	1625	S56H	100768	36	115/230	Auto	2.5	11.81
	1075	48Z	101645	33	115/230	Auto	3.2	11.13
	1075	56HZ*	111321☐	37	115/230	Auto	3.0	13.56
	850	48YZ*	M099836☒✪	24	115/230	Auto	3.0	11.55
	825	56HZ*	111919☐☒	40	115/230	Auto	3.2	13.56
3/4	1625	56HZ*	111324	34	115/230	Auto	3.5	13.06
	1625	56H	111266	36	115/230	Auto	3.5	12.31
	1075	56HZ*	111322☐☒	44	115/230	Auto	4.0	13.56
1	1625	56HZ	111267	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	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1750	48Y	101252☒	19	115/208-230	Auto	1.6	10.06
	1625	48Y	100699A	19	115/230	Auto	1.6	11.06
	1625	48Y	M099799	19	115/230	Auto	1.5	11.06
	1075	48Y	M099260	21	115/230	Auto	1.2	11.55
1/3	1725	48Y	M090253☒	22	115/230	Auto	1.8	11.55
	1750	48Y	101253☒	22	115/208-230	Auto	2.2	10.06
	1625	48Y	100700	22	115/230	Auto	1.9	11.56
	1625	56Y	111202①	24	115/230	Auto	1.7	12.00
	1625	48Y	M099800	22	115/230	Auto	1.8	11.55
	1075	48Y	M099261	21	115/230	Auto	1.5	12.55
	1140	S56Y	100604	23	115/230	Auto	1.8	12.56
1/2	1750	S56Y	101176✓☒	26	115/230	Auto	3.2	11.06
	1625	48Y	100701	29	115/230	Auto	2.5	12.06
	1625	48Y	M099801	29	115/230	Auto	2.5	12.55
	1060	48Y	M099946	26	115/230	Auto	2.5	13.55
3/4	1060	48Y	M099847	36	115/230	Auto	3.6	13.56

SINGLE PHASE • TEAO • THRU BOLT MOUNT

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1635	48Y	M090085	20	115/230	Auto	1.8	11.55
1/2	1635	48Y	M090086	22	115/230	Auto	2.5	12.55
	825	56Z	114620☒	35	115/230	Auto	3.2	12.63
	850	48Y	M099250✱✱☒	24	115/230	Auto	3.0	11.55

SINGLE & THREE PHASE • TEAO • C FACE LESS BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	Phase	F.L. Amps 230V	"C" Dim. (Inches)
1/2	850	56C	M099251☒	24	115/230	Auto	1	3.0	11.55
1	850	56C	M009644☒	45	230	Auto	1	4.6	12.81
1/2	850	56C	116201	35	208-230/460	…	3	3.0	10.31
1	850	56C	116202	45	208-230/460	…	3	5.2	12.90

AGRICULTURAL MOTORS
SINGLE AND THREE PHASE

AG 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.

SINGLE PHASE • CAPACITOR START • TEAO • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
3/4	3450	56	**111332✓**	27	115/230	None	5.0	10.88
1	3450	56	**111333✓**	29	115/230	None	6.0	10.88
1½	3450	56	**111949✓**	32	115/230	None	8.5	11.38
	3450	143TZ	**120374®**	31	115/230	None	8.5	11.88
2	3450	145TZ	**120375®**	41	230	None	10.0	13.38
3	3450	145T	**120376☆**	45	230	None	13.6	13.88

THREE PHASE • TEAO • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
3/4	3450	56Z	**111334✓**	21	208-230/460	2.4	72.0	9.88
1	3450	56Z	**111335✓**	22	208-230/460	3.2	77.1	9.88
1½	3450	143TZ	**120377®**	31	208-230/460	4.2	80.3	10.88
2	3450	145TZ	**120378®**	34	208-230/460	5.6	78.8	11.88
3	3450	145T	**120379®**	38	230/460	8.0	80.0	12.34

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	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
5-7	3450	182TZ	**131847**	91	230	T-Stat	27.2-35.0	16.44
7.5-10	3450	182TZ	**131848**	95	230	T-Stat	31.0-42.0	16.44
10-15	3450	215TZ	**140640**	159	230	T-Stat	39.5-61.5	20.42

THREE PHASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
5-7.5	3450	184TZ	**131849**	70	208-230/460	T-Stat	19.0	13.94
7.5-10	3450	184TZ	**131850**	85	208-230/460	T-Stat	24.2	15.44
10-15	3450	215TZ	**140641**	95	208-220/440	T-Stat	40.0	17.41

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. Prelubricated 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 $3^{5}/_{8}$".

Electrical Features:

Energy-saving, extra high torque designs.

SINGLE PHASE • RIGID BASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1½	1725	56HZ	**111330☆**	42	115/208-230	Man.	8.6	12.31

THREE PHASE • RIGID BASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1½	1725	56HZ	**111329**	38	208-230/460	5.4	80.0	11.81

These Grain Stirring motors have NEMA Service Factor of 1.0

✓ 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.
® 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.

FAN & BLOWER MOTORS

SINGLE PHASE • COMMERCIAL DUTY

INDUSTRIAL SPLIT PHASE MOTORS

LEESON FHP Commercial Duty, split phase motors with moderate starting torque, designed for continuous duty on ventilation fans, blowers and other belt driven or fan on shaft applications.

Resilient base for quiet operation. Prelubricated ball bearings for long life in commercial and industrial environments. Has automatic thermal overload and built-in terminal panel style connection provisions.

DRIP-PROOF • RESILIENT BASE • AUTOMATIC OVERLOAD

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 115V	Service Factor	"L" Dim. (Inches)	"C" Dim. (Inches)
1/4	1725	48	**191868**	15	115/230	Auto	4.6	1.35	2.61	9.37
1/3	1725	48	**191869**	17	115/230	Auto	5.8	1.35	3.12	9.88
1/2	1725	48	**191870**	19	115/230	Auto	8.4	1.25	3.63	10.39

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.)

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	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 115V	"C" Dim. (Inches)
1/4	1725	48YZ	Sleeve	**M900195**	13	115	Auto	5.0	9.72
1/3	1725/1140	56	Ball	**M900277**	20	115	Auto	5.3/2.9	10.72
	1725	48YZ	Sleeve	**M900196**	15	115	Auto	6.1	9.72
1/2	1725/1140	56	Ball	**M900599**	30	115	Auto	8.1/4.5	11.85
	1725	48YZ	Sleeve	**M900197**	20	115	Auto	7.2	10.72

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	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 115V	% F.L. Eff.	"C" Dim. (Inches)
1/4	1725	48	**M090602**	15	115	Auto	2.5	71.0	9.88
1/3	1725	48	**M090405**	19	115	Auto	3.2	75.0	9.88
1/2	1725	48	**M090585**	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

PEDESTAL FAN MOTORS

LEESON FHP Commercial Duty totally enclosed, air over 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.

Motors are CSA/NRTL/C. Recognized for both the U.S. and Canadian markets.

SINGLE PHASE • PSC TYPE • TEAO • YOKE MOUNTED AUTOMATIC OVERLOAD • 1.0 S.F.

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 115V	"U" Dim.	"C" Dim. (Inches)
1/4	1650	48Y	**191872**	14	115/230	Auto	2.6	0.500	10.95
	1650	48Y	**191908**	14	115/230	Auto	2.6	0.625	10.95
	*1140	48Y	**191891**	22	115/230	Auto	2.4	0.500	10.95
	*1140	48Y	**191909**	25	115/230	Auto	2.4	0.625	10.95
1/3	1650	48Y	**191871**	15	115/230	Auto	3.4	0.500	10.95
	1650	48Y	**191910**	15	115/230	Auto	3.4	0.625	10.95
	*1140	48Y	**191892**	23	115/230	Auto	3.0	0.500	11.46
	*1140	48Y	**191911**	26	115/230	Auto	3.0	0.625	11.46
1/2	1650	48Y	**191873**	24	115/230	Auto	4.6	0.500	10.95
	1650	48Y	**191875**	24	115/230	Auto	4.6	0.625	10.95
	*1140	48Y	**191893**	26	115/230	Auto	5.0	0.500	11.93
	*1140	48Y	**191912**	29	115/230	Auto	5.0	0.625	11.93

*Two speed achievable by reconnecting 115V power to 230V connection (67% of rated speed). Actual speed dependent upon fan design.

AGRICULTURAL MOTORS
SINGLE AND THREE PHASE

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.

SINGLE AND THREE PHASE • C FACE WITH BASE • TEFC

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

*Single phase motor has manual reset overload protector.

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.

THREE PHASE • IRRIGATION BOOSTER • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 460V	% F.L. Eff.	"C" Dim. (Inches)
2	3450	56J	**112991**	33	460	3.0	78.0	14.35

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.

C FACE LESS BASE • THREE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1725	56C	**111304**	30	460	2.4	75.0	12.34

These Irrigation Drive motors have a 1.25 Service Factor.

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	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/2	3450	56CZ	**113939**	42	230	None	4.5	13.11

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	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56	M002256	25	115-208/230	Manual	3.2	10.81
1/2	1725	56	M009086	26	115-208/230	Manual	4.4	10.81
3/4	1725	56	M009087	29	115-208/230	Manual	5.4	11.31
1	1725	56	M009088	32	115-208/230	Manual	7.0	11.81
C Flange		56	M064076	—	—	—	—	—

C FACE LESS BASE • 115-208/230 • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (in.)
1/3	1725	56C	M002290	25	115-208/230	Manual	3.2	10.81
1/2	1725	56C	M009492	26	115-208/230	Manual	4.4	10.81
3/4	1725	56	M009493	29	115-208/230	Manual	5.4	11.31
1	1725	56	M009494	32	115-208/230	Manual	7.0	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.

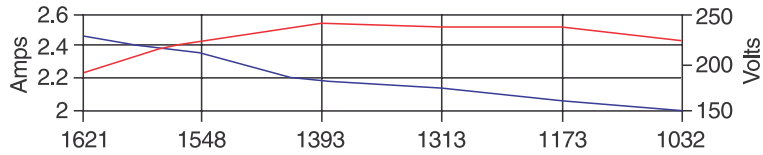
Permanent split capacitor type design eliminates the centrifugal switch for "three phase" type reliability.

Automatic thermal overload protection.

TEAO • RIGID BASE • EXTENDED THRU-BOLTS

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	Shaft Length (in.)
1/4	1625	48Y	M099899	18	115-208/230	Auto	1.3	2
	1060	48Y	M099460	21	115/208-230	Auto	1.3	2
1/3	1625	48Y	M099900	19	115-208/230	Auto	1.8	2
	1060	48Y	M099461	22	115/208-230	Auto	1.9	2
1/2	1650	48Y	M099901	22	115-208/230	Auto	2.6	2
	1060	48Y	M099462	25	115/208-230	Auto	2.8	2

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



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

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	App. Wgt. (lbs.)	Voltage	Eff.	Overload Protection	F.L. Amps 230V
3/4	1725	56H	M009581	30	115/208-230	82	Auto	3.4
1	1725	56H	M009782	37	115/208-230	85	Auto	4.3
1½	1725	56H	M009594	39	115/208-230	78	Auto	6.8

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 ½" diameter x 1½" length, with flat; motors 1 HP and larger have ⅝" diameter x 1.97" length, with key.**

SINGLE PHASE • TEFC • 60 HERTZ

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/3	1725	48YZ	**101159**	21	115/230	Manual	3.5	11.28
	1725	48Y	**101435**⑨	21	115/230	Manual	3.5	11.28
1/2	1725	48YZ	**101120**	22	115/208-230	Manual	4.0	10.72
	1725	48Y	**101436**⑨	22	115/208-230	Manual	4.0	10.72
3/4	1725	48YZ	**101119**	24	115/208-230	Manual	5.4	11.28
	1725	48YZ	**101437**⑨	28	115/230	Manual	5.4	11.78
1	1725	56Y	**112615**	35	115/230	Manual	7.0	12.11
	1725	56NY	**113302**⑨	35	115/208-230	Manual	7.0	12.61
1½	1725	56NY	**113280**☆	47	115/208-230	Manual	6.5	13.62
	1725	56NY	**113301**☆⑨	44	115/230	Manual	6.5	13.62

SINGLE PHASE • TEFC • 50 HERTZ

HP	RPM 50 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 220V	"C" Dim. (Inches)
1/2	1425	48Y	**101643**⑨	26	110/220	Manual	4.2	11.78
3/4	1425	48Y	**101644**⑨	30	110/220	Manual	5.8	12.78
1	1425	56Y	**113906**⑨	39	110/220	Manual	6.4	12.61
1½	1425	56Y	**113907**⑨	48	110/220	Manual	8.6	13.61

HATCHERY AND INCUBATOR FAN MOTORS

Cat. No. 101341

Cat. No. 114102

SINGLE PHASE • TEAO

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over-load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
1/4	1625	48Y	**101341**	17	115/230	Auto	1.6	10.31
1/2-0.22	1725/1140	56H	**114102**	33	115	Auto	⁂ 9.3-5.6	11.81

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 ½" by 2¼", with full length flat. Connections in end of motor through ½"-14 NPT tap. UL Listed thermal overload.

NOTE: Cat.#101341 requires separately mounted 7.5 MFD, 370 VAC—not supplied unless requested. **Capacitor Part number 003014.09**

Catalog number 114102 is a two-speed motor, dust-tight and totally enclosed for belt driven hatchery cooling fans. Resilient base. With UL Listed automatic thermal overload.

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 1050 Catalog for complete listing of WASHGUARD® features.

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

THREE PHASE • TEFC

HP/KW	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
2	1740	145T	**G121191**	46	208-230/460	6.0	84.0	14.25
2❖	1140	184TZ	**G131575**	84	230/460	7.2	86.5	15.96
2/1.5❖	1140	112M◗	**G131635**	84	230/460	7.2	86.5	15.96
3	1740	56HZ	**115751**■	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 1050 catalog for dimensions.
☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
⑨ 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.

PRESSURE WASHER PUMP MOTORS
LOW AMPERAGE DESIGN

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages. Capacitor start, capacitor run construction for reduced amperage.

Mechanical Features:

Double shield ball bearings prelubricated with Exxon POLYREX® EM lubricant, having operating temperature range of -20°F to +350°F and special formulation to provide extra long life and moisture resistance. Dynamically balanced rotor and shaft assembly.

Electrical Features:

High efficiency reduced amperage energy saving designs. Stator impregnated with extra heavy varnish system. High temperature copper magnet wire for high overload capacity. Capacitor start/ capacitor run design for reduced amperage. Grounding provision in conduit box. Manual reset overload protector protects against automatic resets. High overload capacities provided by service factor.

RIGID BASE • SINGLE PHASE • DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
3/4	1725	S56	**101544**☆	28	115/208-230	Manual	3.8	10.94
1	1725	56	**113630**☆	31	115/208-230	Manual	5.3	10.84
1½	3450	56	**113631**☆	36	115/208-230	Manual	6.7	10.84
	1725	56H	**113266**☆□	42	115/208-230	Manual	6.7	12.38
2	3450	56	**113632**☆	36	115/208-230	Manual	8.6	11.34
3	1740	184T	**131851**	72	208-230	Manual	13.7	15.22
5	1740	184T	**131852**	83	208-230	Manual	24.1	16.22

RIGID BASE • SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
3	1740	184T	**131855**	88	230	Manual	13.7	16.86
5	1740	184T	**131856**	95	230	Manual	21.0	17.86

C FACE WITH BASE • SINGLE PHASE • DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1½	1725	56HC	**113700**☆□	38	115/208-230	Manual	7.2	11.84
2	1725	56HC	**113281**☆□	45	115/208-230	Manual	8.6	12.88
3	1740	184TC	**131853**	87	208-230	Manual	15.4	15.96
5	1740	184TC	**131854**	97	208-230	Manual	24.1	16.96

C FACE WITH BASE • SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1½	3450	56C	**115024**☆	35	115/208-230	Manual	6.7	12.31
2	3450	56HC	**114995**☆	42	115/208-230	Manual	9.2	13.31
3	3450	56HC	**115048**☆	53	208-230	Manual	14.0	13.81
	1740	184TC	**131857**	104	230	Manual	13.7	17.61
5	1740	184TC	**131858**	102	230	Manual	21.0	18.72

☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.

INSTANT REVERSING MOTORS

PARKING GATES, DOOR OPERATORS & SLIDE GATES

General Specifications:

Specially designed motors for use on "instant-reversing" parking gates, doors, slide gates, or other moderate starting torque instant reversing applications. Capable of frequent reversing service.

Features (Resilient Base and C Face):

Instant "plug-reversing" with simple three-wire connection. Permanent split capacitor design offering low inrush and full load amps. Manual reset overload protector. Starting torque approximately 150% of full load, not suitable for hard to start loads.

Features (Rigid Base):

Capacitor start, induction run motors with solid state, instant reversing switch. Manual reset overload protector.

RESILIENT BASE • SINGLE PHASE • DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 115V	"C" Dim. (Inches)
1/3	1625	S56	**191742**	18	115	Manual	4.0	10.31
1/2	1625	S56H	**100802**	24	115	Manual	6.0	11.31
3/4	1625	56H	**113642**	33	115	Manual	8.2	11.31

C FACE LESS BASE • SINGLE PHASE • DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 115V	"C" Dim. (Inches)
1/3	1625	S56C	**102017**	18	115	Manual	4.4	9.34
1/2	1625	S56C	**102021**	22	115	Manual	6.0	10.38

RIGID BASE • SINGLE PHASE • TEFC

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
3/4	1725	56	**114932**	30	115/208-230	Manual	5.4	11.31
1	1725	56	**114933**	30	115/208-230	Manual	6.4	11.81

SINGLE PHASE MOTORS

RIGID BASE • CAPACITOR START • GENERAL PURPOSE




DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1/12	1725	…	…	…	…	…	…	…
1/8	1725	…	…	…	…	…	…	…
1/6	1725	…	…	…	…	…	…	…
	1725	…	…	…	…	…	…	…
	1140	…	…	…	…	…	…	…
1/4	3450	…	…	…	…	…	…	…
	1725	…	…	…	…	…	…	…
	1725	48	**101423**	15	115/208-230	Manual	2.7	8.50
	1725	48	**100115**	16	115/208-230	Auto	2.7	8.50
	1725	S56	**100000**	17	115/208-230	Auto	2.7	9.38
	1140	…	…	…	…	…	…	…
	1140	…	…	…	…	…	…	…
1/3	3450	…	…	…	…	…	…	…
	3450	S56	**100336**	26	115/208-230	None	2.5	9.38
	1725	…	…	…	…	…	…	…
	1725	…	…	…	…	…	…	…
	1725	48	**100116**	18	115/208-230	Auto	3.1	9.00
	1725	S56	**100006**	17	115/208-230	None	3.1	9.38
	1725	S56	**100588**	17	115/208-230	Manual	3.1	9.38
	1725	S56	**100001**	18	115/208-230	Auto	3.1	9.38
	1140	…	…	…	…	…	…	…
	1140	56	**110001**	30	115/208-230	None	3.9	10.88
1/2	3450	48	**100184**	19	115/208-230	None	3.4	9.50
	3450	S56	**100337**	20	115/208-230	None	3.4	9.88
	3450	S56	**100052**	21	115/208-230	Manual	3.4	9.88
	1725	48	**100338**	20	115/208-230	None	4.4	9.50
	1725	S56	**100007**	21	115/208-230	None	4.4	9.88
	1725	S56	**100004**	21	115/208-230	Manual	4.4	9.88
	1725	S56	**100002**	20	115/208-230	Auto	4.4	9.88
	1140	56	**110002**	34	115/208-230	None	5.0	11.38
3/4	3450	S56	**100340**	24	115/208-230	None	4.8	10.88
	3450	S56	**100053**	24	115/208-230	Manual	4.8	10.88
	1725	S56	**100008**	26	115/208-230	None	5.4	10.63
	1725	S56	**100005**	26	115/208-230	Manual	5.4	10.63
	1725	S56	**101544**☆	26	115/208-230	Manual	3.8	10.88
	1725	S56	**100003**	26	115/208-230	Auto	5.4	10.63
	1140	56H	**110003**□	44	115/208-230	None	6.4	12.88
1	3450	56	**110360**	30	115/208-230	None	6.0	10.88
	3450	56	**110097**	29	115/208-230	Manual	6.0	10.88
	1725	56	**110004**	30	115/208-230	None	6.4	10.88
	1725	56	**110167**	38	115/208-230	Manual	6.4	10.88
	1725	56	**113630**☆	40	115/208-230	Manual	5.3	10.88
	1725	56	**110000**	31	115/208-230	Auto	6.4	10.88
	1725	143T	**120044**	38	115/208-230	None	6.4	11.13
	1725	143T	**120003**	38	115/208-230	Manual	6.4	11.13
	1725	143T	**120000**	38	115/208-230	Auto	6.4	11.13
	1140	…	…	…	…	…	…	…

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
42	**092111**	14	115/208-230	None	1.1	8.94
42	**092114**	16	115/208-230	None	1.6	9.94
42	**092116**	17	115/208-230	None	2.1	9.44
48	**102012**	18	115/208-230	None	1.7	9.44
48	**102013**	23	115/208-230	None	1.2	10.44
42	**092112**	18	115/208-230	None	2.1	9.94
48	**102014**	20	115/208-230	None	2.7	9.44
48	**101446**✣	18	115/208-230	Manual	2.7	9.44
…	…	…	…	…	…	…
…	…	…	…	…	…	…
48	**102015**	26	115/208-230	None	3.2	11.44
56	**114617**	30	115/208-230	None	2.8	11.81
48	**102016**	21	115/208-230	None	2.5	9.44
…	…	…	…	…	…	…
48	**100955**	19	115/208-230	None	3.1	9.94
48	**102018**	20	115/208-230	Manual	3.1	9.94
…	…	…	…	…	…	…
56	**113635**✣	26	115/208-230	None	3.2	10.81
56	**114619**	29	115/208-230	Manual	3.2	10.81
56	**114613**	29	115/208-230	Auto	3.2	10.81
48	**102019**	32	115/208-230	None	3.7	11.94
56	**110009**	33	115/208-230	None	3.6	12.31
48	**102020**	27	115/208-230	None	3.4	10.44
56	**110399**	25	115/208-230	None	3.6	10.81
56	**110141**	26	115/208-230	Manual	3.6	10.81
48	**100956**	22	115/208-230	None	4.4	10.44
56	**110012**✣	25	115/208-230	None	4.4	10.81
56	**110021**✣	27	115/208-230	Manual	4.4	10.81
56	**110016**✣	25	115/208-230	Auto	4.4	10.81
56	**110011**	39	115/208-230	None	4.9	12.81
56	**110276**	28	115/208-230	None	5.0	11.31
56	**110108**	28	115/208-230	Manual	5.0	11.31
56	**110013**✣	30	115/208-230	None	5.4	11.31
56	**110022**✣	30	115/208-230	Manual	5.4	11.31
…	…	…	…	…	…	…
56	**110017**✣	30	115/208-230	Auto	5.4	11.31
56H	**110400**☆□	43	115/208-230	None	5.3	13.31
56	**110059**	30	115/208-230	None	6.0	11.81
56	**110142**	31	115/208-230	Manual	6.0	11.81
56	**110209**✣	34	115/208-230	None	7.0	11.81
56	**110023**✣	34	115/208-230	Manual	6.4	11.81
…	…	…	…	…	…	…
56	**110018**✣	31	115/208-230	Auto	6.4	12.31
143T	**120025**✣	34	115/208-230	None	6.4	12.75
143T	**120008**✣	38	115/208-230	Manual	6.4	12.75
…	…	…	…	…	…	…
145T	**120043**☆	47	115/230	None	6.7	14.25

□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
✣ These totally enclosed single phase motors have 1.15 Service Factors.

DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
1½	3450	56	**110361**	29	115/208-230	None	8.6	10.88
	3450	56	**110110**	29	115/208-230	Manual	8.6	10.88
	3450	56	**113631**☆	36	115/208-230	Manual	6.7	11.38
	3450	143T	**120107**	32	115/208-230	None	8.6	11.28
	1725	56H	**110005**☆□	45	115/208-230	None	8.6	11.88
	1725	56H	**110006**☆□	45	115/208-230	Manual	8.6	11.88
	1725	56H	**113266**☆□	42	115/208-230	Manual	6.7	12.38
	1725	…	…	…	…	…	…	…
	1725	145T	**120042**☆	40	115/208-230	None	8.6	12.28
	1725	145T	**120004**☆	39	115/208-230	Manual	8.6	12.28
	1725	145T	**120001**☆	45	115/208-230	Auto	8.6	12.28
	1140	…	…	…	…	…	…	…
2	3450	56	**110363**	38	115/208-230	None	12.0	11.88
	3450	56	**110362**	38	115/208-230	Manual	12.0	12.38
	3450	56	**113632**☆	38	115/208-230	Manual	8.6	11.38
	3450	145T	**120106**	40	115/208-230	None	12.0	12.28
	3450	…	…	…	…	…	…	…
	1725	145T	**120067**☆	47	115/230	None	10.5	13.28
	1725	145T	**120879**☆	47	115/208-230	Manual	8.6	13.31
	1725	182T	**131515**	64	115/208-230	None	12.4	13.19
	1725	182T	**131536**	63	115/208-230	Manual	12.4	13.19
	1725	182T	**131535**	58	115/208-230	Auto	12.4	13.19
3	3450	…	…	…	…	…	…	…
	3450	182T	**131636**	57	115/208-230	None	16.0	14.69
	1725	184T	**131534**	75	115/230	None	16.8	14.19
	1725	184T	**131561**	75	115/230	Manual	16.8	14.19
	1725	184T	**131530**	75	115/230	Auto	16.8	14.19
5	3450	184T	**131616**	70	115/208-230	None	24.0	15.69
	1725	184T	**131537**☆	82	230	None	21.0	14.69
	1725	184T	**131560**☆	82	208	None	23.2	14.69
	1725	184T	**131622**☆	85	230	Manual	21.0	14.69
7½	1740	215T	**140155**☆†	131	230	None	36.0	17.25
10	1740	215TZ	**140311**☆†✓	166	230	None	43.0	19.75
	1740	…	…	…	…	…	…	…

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Overload Protection	F.L. Amps 230V	"C" Dim. (Inches)
56	**110094**	34	115/208-230	None	8.5	12.31
56	**110109**	34	115/208-230	Manual	8.5	12.31
…	…	…	…	…	…	…
143T	**120130**	34	115/208-230	None	8.5	13.25
56H	**110253**☆□	39	115/208-230	None	8.6	12.81
56H	**113333**☆□	40	115/208-230	Manual	8.6	12.81
…	…	…	…	…	…	…
56H	**110019**☆□	43	115/208-230	Auto	8.6	12.81
145T	**120026**☆	42	115/208-230	None	8.6	13.25
145T	**120009**☆	40	115/208-230	Manual	8.6	13.25
…	…	…	…	…	…	…
184T	**131526**	76	115/208-230	None	11.0	15.38
56H	**110352**□	44	115/208-230	None	10.0	13.31
56H	**110402**□	44	115/208-230	Manual	10.0	13.31
…	…	…	…	…	…	…
145T	**120036**	44	115/208-230	None	10.0	13.75
145T	**120395**	44	115/208-230	Manual	10.0	13.75
145T	**120867**☆	45	115/208-230	Manual	9.2	13.75
…	…	…	…	…	…	…
182T	**131509**	70	115/208-230	None	12.4	13.47
…	…	…	…	…	…	…
…	…	…	…	…	…	…
145T	**120341**☆	48	230	None	14.0	13.75
182T	**131637**	63	115/208-230	None	16.0	15.96
184T	**131533**	91	115/230	None	16.8	15.47
…	…	…	…	…	…	…
…	…	…	…	…	…	…
184T	**131549**☆	81	115/208-230	None	24.0	16.96
184T	**131538**†☆	103	230	None	23.0	16.47
…	…	…	…	…	…	…
…	…	…	…	…	…	…
215T	**140120**†☆	169	230	None	33.6	20.13
213T	**140581**	202	230	None	40.0	20.63
215T	**140414**†☆	202	230	Manual	40.0	20.63

□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
✓ Motor with standard diameter shaft, 1.0" longer than standard.
† Class F insulated.
❖ These totally enclosed single phase motors have 1.15 Service Factors.

C-Face kits available

More single-phase motors available - See LEESON's 1050 Stock Catalog

THREE PHASE MOTORS

RIGID BASE • GENERAL PURPOSE

DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4	1725	…	…	…	…	…	…	…
	1725	S56	**100027**	16	208-230/460	1.4	66.0	9.24
1/3	3450	48	**101447**	14	208-230/460	1.4	61.0	9.00
	1725	48	**100446**	17	208-230/460	1.6	68.0	9.12
	1725	S56	**100028**	18	208-230/460	1.6	68.0	9.49
	1140	56	**110425**	23	208-230/460	1.6	65.0	9.88
1/2	3450	…	…	…	…	…	…	…
	3450	S56	**101448**	17	208-230/460	1.8	69.0	9.38
	1725	…	…	…	…	…	…	…
	1725	S56	**100029**	20	208-230/460	2.0	75.0	9.99
	1140	56	**110027**	22	208-230/460	2.8	66.0	10.38
	850	…	…	…	…	…	…	…
3/4	3450	…	…	…	…	…	…	…
	3450	S56	**101449**	20	208-230/460	2.4	79.0	9.88
	1725	S56	**100030**	24	208-230/460	2.8	75.0	10.49
	1140	56	**110028**	17	208-230/460	3.4	75.5	10.88
	1140	…	…	…	…	…	…	…
	850	…	…	…	…	…	…	…
1	3450	56	**110426**	22	208-230/460	3.6	80.6	9.88
	3450	56	**116128** W	29	208-230/460	3.4	82.5	10.18
	1725	56	**110029**	22	208-230/460	4.2	78.5	10.38
	1725	56HZ	**115827**	24	208-230/460	4.2	78.5	11.13
	1725	143T	**G120010**	30	208-230/460	3.1	82.5	11.28
	1725	143T	**121003** W	36	208-230/460	3.2	85.5	12.12
	1140	…	…	…	…	…	…	…
	1140	145T	**G120089**	35	208-230/460	3.6	80.0	12.28
	1140	145T	**121517**	41	208-230/460	4.4	82.5	12.62
	850	…	…	…	…	…	…	…
1½	3450	56	**110429**	29	208-230/460	4.2	82.1	10.88
	3450	143T	**G120103**	35	208-230/460	4.0	82.5	11.63
	3450	143T	**121514** W	34	208-230/460	4.2	84.0	12.12
	1725	56	**110430**	27	208-230/460	5.6	78.5	10.88
	1725	56	**111309**✦	33	208-230/460	5.6	78.5	10.88
	1725	56HZ	**115825**	34	208-230/460	5.6	78.5	11.13
	1725	145T	**G120011**	37	208-230/460	4.4	84.0	12.28
	1725	145T	**121004** W	35	208-230/460	4.8	86.5	12.62
	1140	…	…	…	…	…	…	…
	1140	182T	**G130010**	54	208-230/460	5.6	84.0	13.69
	850	…	…	…	…	…	…	…

□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
♣ 1.0 Service Factor.
† Class F insulated.
✦ Automatic reset overload protection. Reconnectable for 277 volt operation without overload protection.
W Premium efficiency WATTSAVER® Motors.

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
48	**101646**	18	208-230/460	1.4	66.0	9.31
…	…	…	…	…	…	…
48	**102684**	17	208-230/460	1.3	69.0	9.06
48	**101647**	21	208-230/460	1.6	68.0	9.31
S56	**101079**	18	208-230/460	1.6	68.0	9.69
56	**110441**	23	208-230/460	1.6	65.0	10.81
48	**100905**	18	208-230/460	1.8	69.0	9.94
…	…	…	…	…	…	…
48	**100961**♣	21	208-230/460	2.0	75.0	9.56
S56	**100913**	24	208-230/460	2.0	75.0	9.94
56	**110353**	26	208-230/460	2.4	70.0	11.31
56	**114618**	31	208-230/460	2.4	69.0	11.81
48	**100960**♣	21	208-230/460	2.4	75.0	10.44
56	**110313**	22	208-230/460	2.4	75.5	10.81
56	**110034**	22	208-230/460	2.8	77.0	10.81
56	**110275**	33	208-230/460	3.0	75.5	11.81
143T	**121009**	34	208-230/460	3.0	75.5	12.75
145T	**121199**	21	208-230/460	3.1	70.0	12.75
56	**110145**	24	208-230/460	3.2	77.1	10.81
56	**116129** W	29	208-230/460	3.4	84.0	11.31
56	**110035**	25	208-230/460	3.8	77.0	11.31
56HZ	**115830**	31	208-230/460	3.8	77.0	12.75
143T	**G120014**	31	208-230/460	3.1	82.5	12.75
143T	**120921** W	32	208-230/460	3.2	85.5	13.25
56	**113933**	35	208-230/460	4.0	77.0	12.31
145T	**G120087**	45	208-230/460	3.6	80.0	13.25
145T	**121520** W	47	208-230/460	4.4	82.5	13.75
182T	**131478**	57	230/460	4.2	74.0	12.96
56	**110745**♣	30	208-230/460	4.2	80.3	11.81
145T	**G120086**	45	208-230/460	4.0	82.5	12.75
143T	**121518** W	33	208-230/460	4.2	84.0	13.25
56	**110444**	30	208-230/460	5.0	78.5	11.81
…	…	…	…	…	…	…
56HZ	**115829**	37	208-230/460	5.0	78.5	12.75
145T	**G120015**	36	208-230/460	4.4	84.0	12.75
145T	**120922** W	34	208-230/460	4.8	86.5	13.75
56H	**114930**	48	208-230/460	5.7	77.0	13.31
56HZ	**120183**	48	208-230/460	5.7	77.0	13.75
182T	**G130015**	82	208-230/460	5.6	85.5	14.96
184T	**131479**	68	230/460	5.6	77.0	13.96

Motors in this column have a 1.15 Service Factor, except as noted by ♣, which have a 1.0 Service Factor.

Catalog numbers in green are EPACT motors.

DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
2	3450	56	**113292**	33	208-230/460	5.6	82.9	11.38
	3450	145T	**G120076**	45	208-230/460	5.0	84.0	12.28
	3450	145T	**121515** W	36	208-230/460	5.0	84.0	13.12
	1725	56H	**113025**	32	208-230/460	6.2	78.5	11.38
	1725	56H	**111310** ✦	36	208-230/460	6.2	78.7	11.38
	1725	56HZ	**115826**	33	208-230/460	6.2	78.5	11.63
	1725	145T	**G120012**	45	208-230/460	6.0	84.0	13.78
	1725	145T	**121005** W	37	208-230/460	5.8	86.5	13.63
	1140	184T	**G130012**	81	208-230/460	7.2	85.5	14.69
	850	…	…	…	…	…	…	…
3	3450	56H	**113293**	38	208-230/460	8.0	80.0	11.88
	3450	145T	**G120077**	45	208-230/460	7.2	84.0	12.78
	3450	…	…	…	…	…	…	…
	3510	…	…	…	…	…	…	…
	1725	56HZ	**120013**	44	230/460	8.6	82.5	13.12
	1740	182T	**G130000**	57	208-230/460	8.4	86.5	12.69
	1740	182T	**131519** W	75	208-230/460	8.2	89.5	13.69
	1750	…	…	…	…	…	…	…
	1750	…	…	…	…	…	…	…
	1140	213T	**G140550**	140	208-230/460	11.6	86.5	15.76
	850	…	…	…	…	…	…	…
5	3500	…	…	…	…	…	…	…
	3450	182T	**G130282**	64	208-230/460	12.2	85.5	13.19
	1740	184T	**G130004**	69	208-230/460	13.2	87.5	13.69
	1740	184T	**131520** W	82	208-230/460	12.8	89.5	14.69
	1750	…	…	…	…	…	…	…
	1750	…	…	…	…	…	…	…
	1140	215T	**G140122**	120	208-230/460	17.6	87.5	16.75
	850	…	…	…	…	…	…	…
7½	3510	…	…	…	…	…	…	…
	3450	…	…	…	…	…	…	…
	3450	184T	**G130284**	78	208-230/460	17.6	87.5	14.69
	3450	…	…	…	…	…	…	…
	3510	…	…	…	…	…	…	…
	1740	213T	**G140471**	144	208-230/460	20.0	88.5	15.25
	1750	213T	**G150142**	147	208-230/460	19.6	88.5	16.38
	1760	213T	**170142** W	160	208-230/460	19.8	91.0	16.38
	1170	254T	**G150145**	240	208-230/460	20.2	88.5	20.94
	1170	…	…	…	…	…	…	…
	850	…	…	…	…	…	…	…
10	3450	213T	**G140682**	138	208-230/460	23.4	88.5	17.30
	3510	213T	**G150143**	168	208-230/460	24.0	88.5	16.38
	3510	213T	**170143** W	150	208-230/460	23.6	91.0	16.38
	1740	215T	**G140490**	132	208-230/460	28.0	89.5	16.75
	1750	215T	**G150144**	168	208-230/460	25.0	89.5	17.87
	1760	215T	**170144** W	200	208-230/460	25.6	91.7	17.87
	1170	256T	**G150146**	268	208-230/460	27	90.2	22.60
	1170	…	…	…	…	…	…	…
	850	…	…	…	…	…	…	…
15	3450	215T	**G140683**	145	208-230/460	37.0	90.02	18.55
	1760	S254T	**G140579**	150	208-230/460	39.6	91.0	20.07

✦ Automatic reset overload protection. Reconnectable for 277 volt operation without overload protection

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
56	**111916**	33	208-230/460	5.6	78.8	12.31
145T	**G120088**	45	208-230/460	5.0	84.0	13.75
145T	**121519** W	44	208-230/460	5.0	85.5	14.25
56H	**113026**	35	208-230/460	6.2	81.5	12.31
…	…	…	…	…	…	…
56HZ	**115828**	37	208-230/460	6.2	81.5	12.75
145T	**G120016**	46	208-230/460	6.0	84.0	14.25
145T	**120923** W	45	208-230/460	5.8	86.5	14.76
184T	**G130016**	83	208-230/460	7.2	86.5	15.46
213T	**140516†**	107	230/460	8.8	77.0	17.21
56H	**114614**	40	208-230/460	8.0	80.0	12.81
145T	**G120185**	42	230/460	7.4	85.5	13.75
182T	**G130099**	60	208-230/460	7.6	85.5	13.46
182T	**G151563**	58	208-230/460	9.0	85.5	16.14
56HZ	**121034** ♣	45	208-230/460	8.6	82.5	14.25
182T	**G130008**	68	208-230/460	8.2	87.5	13.96
182T	**131463** W	74	208-230/460	8.2	89.5	14.46
182T	**G151320**	94	208-230/460	8.5	87.5	16.14
182T	**171320** W	104	208-230/460	7.8	89.5	15.89
213T	**G140551**	116	208-230/460	12.0	87.5	17.71
215T	**140518†**	114	230/460	12.6	80.0	17.21
184T	**G150299**	100	208-230/460	12.0	87.5	15.89
184T	**G130101**	73	208-230/460	12.0	87.5	14.46
184T	**G130027**	80	208-230/460	13.0	87.5	14.96
184T	**131464** W	91	208-230/460	13.0	89.5	15.96
184T	**G151322**	101	208-230/460	13.8	87.5	16.14
184T	**171322** W	109	208-230/460	12.4	89.5	15.89
215T	**G140126**	142	208-230/460	17.6	87.5	18.21
254T	**151355**	188	208-230/460	14.4	88.3	23.23
213T	**170158** W	147	208-230/460	18.0	91.0	18.19
…	…	…	…	…	…	…
184T	**G131082**	91	208-230/460	16.8	88.5	15.96
S213T	**G130103**	101	208-230/460	16.8	88.5	16.59
213T	**G150158**	150	208-230/460	17.8	88.5	18.20
213T	**G140578**	144	208-230/460	20.4	89.5	17.71
213T	**G150157**	153	208-230/460	19.2	89.5	18.19
213T	**170157** W	155	208-230/460	18.6	91.7	18.19
254T	**G150122**	250	208-230/460	20.0	89.5	23.23
254T	**170122** W	249	208-230/460	21.0	91.7	23.19
256T	**151356**	300	208-230/460	20.0	87.7	24.96
215T	**G140686**	126	208-230/460	24.0	89.5	20.23
215T	**G150159**	167	208-230/460	23.6	89.5	19.61
215T	**170159** W	181	208-230/460	23.4	91.7	19.61
215T	**G140489**	167	208-230/460	26.0	89.5	18.71
215T	**G150140**	176	208-230/460	25.2	89.5	19.61
215T	**170140** W	177	208-230/460	25.0	91.7	19.61
256T	**G150123**	277	208-230/460	26.2	89.5	24.92
256T	**170123** W	300	208-230/460	29.0	91.7	24.92
284T	**150282**	346	208-230/460	26.0	88.8	26.26
215T	**G140687**	140	208-230/460	36.0	90.2	20.23
…	…	…	…	…	…	…

Motors in this column have a 1.15 Service Factor, except as noted by ♣, which have a 1.0 Service Factor.

C-Face kits available

More three-phase motors available - See LEESON's 1050 Stock Catalog

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in green are EPACT motors.