



The Ag Industry Runs On **LEESON** Motors

Our complete line of single and three phase Farm Duty / Agricultural Duty Series of motors are designed and built for the tough applications found in the agricultural industry.

Mechanical Features:

Gasketed capacitor housing and conduit boxes provide protection in all environments. Double sealed ball bearings are prelubricated with Exxon POLYREX® EM grease having operating temperature range of -20°F to +350°F. 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.

Aquaculture

10 HP, 1740 RPM, TEFC, C-Face with base design.

Specially designed for aeration systems used on aquaculture ponds. Hi-torque epoxy painted with a corrosion resistant interior coating. Stainless fan guard and hardware throughout.



Milk Transfer

Totally enclosed non-ventilated design. Direct replacement for Surge milk pumps, Babson motor #27732. 1-phase, ½ HP, 3450 RPM. Epoxy painted.



Farm Duty

• 1/3 to 10 HP, TEFC, High Torque (HT): Feeders, conveyors, fans, compressors, spray washers, grinders, elevators, pumps and other demanding applications that require high starting torque.

• 2 to 10 HP, TEFC, Extra High Torque (EHT): Silo unloaders, barn cleaners, bunk feeders, conveyors and other machinery requiring extra high starting torque. Motors have 300% and greater LRT.

Agricultural Fan

Engineered for demanding agricultural applications such as poultry house fans and barn exhaust fans. All have thermal overload protection as standard. Some are mounted in air stream for proper cooling.



Auger Drive

Replacement motors for poultry feed auger drive systems. Bolts to existing gearbox for easy installation. Mechanical start switch protected from overspeeded auger drive. Extended fan-end shaft with flats for manually jogging auger drive.



Crop Dryer

Designed for use on crop dryers with air over/fan-on-shaft design. Available in 3 to 15 HP single phase and 5 to 15 HP three phase. Features include: built-in overload protection, extended lead length, keyed shaft with tapped hole in end, special balance limits for reduced vibration, maintenance-free ball bearings and extra nameplate for remote mounting.



Grain Stirring

Single phase, 1-1/2 HP, TEFC motor ideally suited for grain stirring systems inside grain bins. Complete use of gaskets and fan/fan guard on drive end keeps grain dust out of motor.



Hatchery and Incubator Fan

Capacitor-type replacement motors for hatchery and incubator fan motors. Single phase TEAO designs. ¼ HP – 1625 PRMs, extended t-bolts for mounting ½-0.22 HP, is a two speed motor, 1725/1140 RPMs, dust tight construction having a resilient base and auto protector.



More Agricultural Products



Stainless Steel Motors & Drives



Belt Drive Fan TEAO



Hi-Efficiency Ag Fan



Stainless Steel Gearmotors



Irrigation Drive



Ind-Ag Heavy Duty



Regal Beloit Canada

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AG MOTOR CROSS-REFERENCE

FARM DUTY MOTORS • SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM • MANUAL OVERLOAD

LEESON						
Big Red	Industry-Ag.	AOS/Mag.	Marathon	Baldor	Dayton	GE
113256	M002256	C310	F101	FDL3501M	6K710	F13E1
110086	M009086	C311	F102	FDL3504M	6K714	F12E1
110087	M009087	C312	F103	FDL3507M	6K719	F34E1
110088	M009088	C313	F104	FDL3510M	6K727	F10E1
121569	---	K102	Z123	FDL3510TM	6K994	F835
110089	M009089	C314	F105	FDL3514M	6K740	F100
113938	---	K104	Z118	FDL3514TM	6K311	F15E1
110090	M009090	C319	Z128	FDL3516TM	4K090	F787
131541	---	K213	Z119	FDL3611TM	6K313	F787
131542	---	K214	Z120	FDL3619TM	6K610	F789
131543	---	K215	Z121	FDL3612TM	6K847	F792
140707	---	K311	Z122	FDL3733TM	6K969	---
140706	---	K312	---	FDL3712TM	6K970	---

FARM DUTY • C-FACE WITH BASE • SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM • MANUAL OVERLOAD

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
116485	---	F131	CFDL3501M	4VZ06	---
116486	---	F132	CFDL3504M	4VZ08	---
116487	---	F133	CFDL3507M	4VZ10	---
116488	---	F134	CFDL3510M	4VZ12	---
116489	---	F135	CFDL3514M	4VZ36	---
116625	---	K319	CFDL3516TM	4VZ02	---
116994	---	I314	CFDL3610TM	---	---
116995	---	I315	CFDL3612TM	---	---

FARM DUTY • C-FACE LESS BASE • SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM • MANUAL OVERLOAD

LEESON						
Big Red	Industry-Ag.	AOS/Mag.	Marathon	Baldor	Dayton	GE
113290	M002290	---	---	VFDL3501M	4VZ07	---
110492	M009492	---	---	VFDL3504M	4VZ09	---
110493	M009493	---	---	VFDL3507M	4VZ11	---
110494	M009494	---	---	VFDL3510M	4VZ13	---
110495	---	---	---	VFDL3514M	4VZ37	---
120855	---	---	---	VFDL3516TM	---	---
131603	---	---	---	VFDL3610TM	---	---
131602	---	---	---	VFDL3612TM	---	---

SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM • EXTRA HIGH STARTING TORQUE • MANUAL OVERLOAD

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
131541	K213	Z119	FDL3611TM	6K887	F786
131542	K205	Z120	FDL3619TM	6K881	F788
131543	K208	Z121	FDL3612TM	6K882	F790
140203	K300	Z117	---	6K883	F791
140130	K311	Z122	FDL3733TM	6K884	F798
140414	K302	Z116	FDL3737TM	6K885	F795

AUGER DRIVE MOTORS • SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM • MANUAL OVERLOAD

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
101435	C330	F201	ANFL3501M	3K994	C1291
101436	C331	F202	ANFL3504M	3K995	C1292
101437	C332	F203	ANFL3507M	3K996	C1293
113302	C333	F204	ANFL3510M	---	C1294
113301	C340	F205	ANFL3514M	---	C1295

GRAIN STIRRING MOTORS • SINGLE PHASE • TOTALLY ENCLOSED • 1800 RPM

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
111330	C317	X902	GSL3509M	6K981	---

PEDESTAL FAN MOTORS • SINGLE PHASE PSC • TOTALLY ENCLOSED AIR OVER • YOKE MOUNT • 2-SPEED • 1075 RPM

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
191891	486	X923	YPC164A	4M196	---
191909	---	---	---	---	---
191892	647	X924	YPC264A	---	---
191911	---	---	---	---	---
191893	---	X925	YPC364A	4M197	---
191912	648	---	---	---	---

☆ 5/8" x 2.5" shaft

AERATION FAN MOTORS • SINGLE PHASE • TOTALLY ENCLOSED • AIR OVER • 3600 RPM • AUTOMATIC OVERLOAD

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
111332	B221	---	AFL3520A	4K058	C1467
111333	B222	---	AFL3521A	4K059	C1468
120374	K117	---	AFL3522A	4K060	C1273
120375	K118	---	AFL3523A	4K061	C1274
120376	K116	---	AFL3524A	4K062	C1275

CROP DRYER MOTORS • SINGLE PHASE • DRIP PROOF • 3600 RPM

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
131847	K220	Z305	UCCE570	4K092	---
131848	K221	Z313	UCCE759	---	---
140640	K321	Z308	CFD3510M	4K094	---

CROP DRYER MOTORS • THREE PHASE • DRIP PROOF • 3600 RPM • OVERHEAT PROTECTION DEVICE

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
131849	R244	Y302	UCME575	---	---
131850	R243	Y303	UCM713	---	---
140641	R327	Y304	UCME1014	---	---

AGRICULTURAL FAN MOTORS • SINGLE PHASE • TEAO • RESILIENT BASE • THRU-BOLT • DIRECT DRIVE • PSC VARIABLE SPEED

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
100803	C042	X024/X030	CHC3413A	4M251	H649
100824	C045	X027	CHC3414A	4M042	---
100804	C043	X025/X031	CHC3416A	4M252	H648
100825	C046	X028	CHC3417A	4M041	---
111323	C044	X026/X032	CHL3523A	4M253	H647
111321	C047	X029	CHC3525A	4M040	---

AGRICULTURAL FAN MOTORS • SINGLE PHASE • RESILIENT BASE • THRU-BOLT • DIRECT DRIVE • PSC • SUPER VARIABLE SPEED • 1625 RPM

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
100803	C042	X024/X030	CHC3413A	4M251	H649
100824	C045	X027	CHC3414A	4M042	---
100804	C043	X025/X031	CHC3416A	4M252	H648
100825	C046	X028	CHC3417A	4M041	---
111323	C044	X026/X032	CHL3523A	4M253	H647
111321	C047	X029	CHC3525A	4M040	---

PEDESTAL FAN MOTORS • SINGLE PHASE PSC • TOTALLY ENCLOSED AIR OVER • YOKE MOUNT • 1625 RPM

LEESON	AOS/Mag.	Marathon	Baldor	Dayton	GE
191872	9451	X920	YPC144A	4M254	---
191908	---	---	---	---	---
191871	970	X921	YPC244A	4M255	---
191910	---	---	---	---	---
191873	9452	X922	YPC344A	4M256	---
191875	---	---	---	6K411	---

☆ 5/8" x 2.5" shaft