

**BALDOR • RELIANCE**



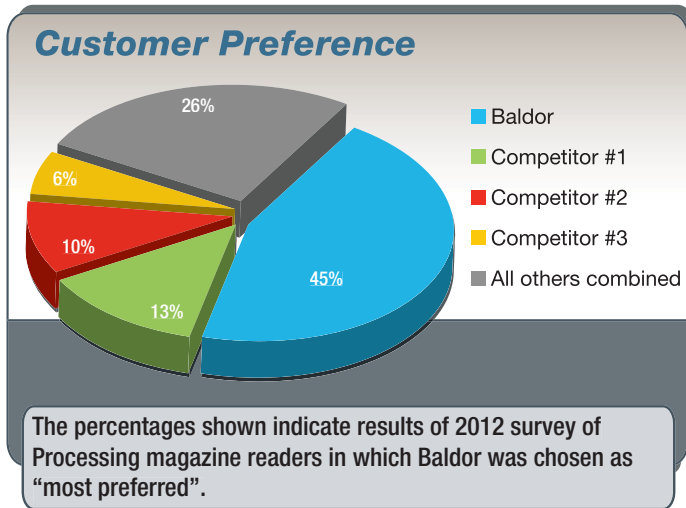
## **Farm Duty Motors**

*Making motors since 1920*



**BALDOR**  
A MEMBER OF THE ABB GROUP

## Why Baldor?



Baldor has been in the motor business since 1920 and was started with one simple idea; "to build a better motor". Our strategy has always been to build motors in America! We have also maintained a "no layoff" strategy that keeps our highly trained and motivated workforce employed even in times of economic downturns. This allows us to maintain high quality and the industry's shortest lead times (as little as 2 weeks on custom products), as well as keeping us ready to increase production of motors when economic conditions improve and our customers need motors fast! Our mission statement says it all:

Our mission is to be the best  
(as determined by our customers)  
Marketers, designers, and manufacturers  
of Industrial electric motors, drives and  
mechanical transmission products.

*Taking care of customers safely*

### Over 135 Stock Farm Duty Motors Ratings

We offer the broadest line of stock motors in the industry as well as the broadest line of motors specifically designed for Farm/Agricultural applications. With stock ratings starting at 1/3 HP through 100 HP. These motors are housed in 29 warehouses around the United States to provide short lead times off the shelf. If the stock motor does not meet the application requirements, a custom motor can be designed and built to meet specific applications.

### Key Features

Baldor Farm Duty motors are designed and built with reliability at the forefront. Understanding the rugged

and harsh environments these motors are expected to continually work in, we've included key features to protect the motor from these environments.

- Heavy duty epoxy paint to withstand the harsh environments farm duty motors are subjected to.
- Majority of totally enclosed designs feature sealed bearings on both ends and a lip seal and V-ring slinger on the drive end of the motor to help to keep contaminants out. Bearing failure is by far the number 1 cause of motor failure and these features help to ensure our motors will last for years!
- Class B, F, and H insulation system depending on application. Heat is the biggest enemy of motor insulation life. Our motors are designed with the proper insulation system and low heat rise.

### Easy To Do Business With

Baldor has 30 district offices across the USA. Each office has a complete Sales and Technical support staff who work closely with our customers to make sure that we have the products they need. When you call Baldor, you will speak with a real person to help resolve your issue. We know that to be "the best as determined by our customers" requires that we be available at all times to help with your needs. You can count on Baldor to provide a safe, reliable motor that meets your demanding application requirements.

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## Motor Mod Express® and Custom Capabilities

### Motor Mod Express

When a stock motor does not meet the application requirements, Baldor has the capability to modify a stock motor using our Motor Mod Express (MOD-X) program. The Baldor Mod-Express® program allows a stock motor to be modified to meet your applications. Modifications are completed by some of our most highly trained motor specialists with extensive experience building and modifying motors. For more information, see the modification section of the Baldor 501 catalog or contact your local Baldor district office. Some of our most popular modifications on farm duty motors are:

- Add C-face mounting
- Add or change lead hole in conduit box
- Install line cord in conduit box or terminal panel
- Install switch, cord and plug
- Change from mechanical to electronic switch
- Install drip cover on TEFC and ODP motors
- Change standard grease to low or high temperature grease
- Add space heaters
- Add thermostats or thermistors
- Add shaft grounding system

### Custom Design Capabilities

If a stock motor does not meet your application or requirements, Baldor has the capability to design and build a custom motor to fit the specific application. Baldor's applications specialist team will work side by side with you to be sure all requirements are met to fit every specific application. Contact your local district office for more information. A small sample of our custom capabilities include:

- Special shaft designs
- Special voltage
- Design motors for low or high ambient temperatures
- Special bearings
- Special electrical designs
- Special mounting configurations including C-face and D-flange
- Add custom brakes
- Special paint
- Encoder feedback

## Premium Efficient Three Phase Baldor Farm Duty Motors



1 thru 100 HP

NEMA 56 thru 405T

**Applications:** High pressure grain drying and storage, exhaust fans, conveyors, as well as a wide variety of commercial and farm duty applications.



### Features:

- All features of our standard TEFC farm duty motors
- Sealed bearings are greased for life and provide superior protection against contaminant ingress
- V-ring slinger and contact lip seal on output shaft extension provide an extra measure of protection to keep contaminants out
- Mobil Polyrex EM<sup>®</sup> moisture resistant super premium Grease
- NEMA Premium<sup>®</sup> efficiencies
- 1.15 service factor with Class B temperature rise at rated horsepower (sine wave)
- Tan epoxy paint protects the motor from harsh environments
- 3 year limited warranty



### Double Sealed Bearings



- Completely sealed with low-friction seals
- Non re-greaseable, eliminates potential for over-greasing
- Superior protection against contaminant ingress

### Lip Seal



- Provides secondary protection against contaminant ingress
- Lip seal maintains constant contact with rotating shaft
- Nitrile rubber seal material for long life

### External V-Ring Slinger



- Seals against face of endplate when motor is at rest
- When motor is running, V-ring is pulled away by inertia
- When seal is spinning, contaminants are expelled by seal

# Super E NEMA Premium Efficient Motors TEFC – Three Phase



1 thru 100 HP

**Applications:** Wide variety of agri-duty and industrial applications.

**Features:** NEMA Premium® efficiency. Sealed ball bearings. High temperature moisture resistant grease. Condensation drains. Drive end seal and v-ring slinger to prevent moisture and contaminant ingress. Gasketed conduit box. Epoxy paint protects motor from harsh environments.

## TEFC - Totally Enclosed Fan Cooled, Three Phase, 1 - 100 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Foot Mounted, F1 Mounting</b>														
1	1760	56	TEFC	FDEM3546	1.5	12.1	2.97	85.5	71	6205	6203	E	38	12.23
		143T	TEFC	FDEM3546T	1.5	12.1	2.97	85.5	71	6205	6203	E	38	12.31
1.5	1750	56	TEFC	FDEM3554	2.2	19.3	4.46	86.5	72	6205	6203	E	41	13.23
		145T	TEFC	FDEM3554T	2.2	19.3	4.46	86.5	72	6205	6203	E	41	13.31
2	1755	56	TEFC	FDEM3558	2.9	23.9	5.99	86.5	75	6205	6203	E	48	13.23
		145T	TEFC	FDEM3558T	2.9	23.9	5.99	86.5	75	6205	6203	E	48	13.31
3	1760	182T	TEFC	FDEM3611T	4.2	32	8.88	89.5	75	6206	6205	E	70	16.55
5	1750	184T	TEFC	FDEM3615T	6.7	49.1	14.9	89.5	78	6206	6205	E	84	18.05
7.5	1770	213T	TEFC	FDEM3710T	9.4	70.1	22.4	91.7	81	6307	6206	E1	125	19.02
10	1770	215T	TEFC	FDEM3714T	12	103	29.5	91.7	85	6307	6206	E	165	20.52
15	1765	254T	TEFC	FDEM2333T	18.1	127	44.5	92.4	83	6309	6208	E1	255	23.16
20	1765	256T	TEFC	FDEM2334T	24	175	59	93.0	84	6309	6208	E1	286	23.16
25	1770	284T	TEFC	FDEM4103T	30	186	74.2	93.6	84	6311	6309	E1	436	27.76
30	1760	286T	TEFC	FDEM4104T	38	270	88.7	93.6	80	6311	6309	E1	437	27.76
40	1775	324T	TEFC	FDEM4110T	48	338	118	94.1	82	6312	6311	E1	578	30.28
50	1775	326T	TEFC	FDEM4115T	58	397	147	94.5	85	6312	6311	E	700	30.28
60	1780	364T	TEFC	FDEM4314T	67.8	412	177	95.0	87	6313	6313	F	910	33.48
75	1780	365T	TEFC	FDEM4316T	84.9	538	221	95.4	87	6313	6313	F	977	33.48
100	1785	405T	TEFC	FDEM4400T	112	725	295	95.4	87	6316	6316	F	1326	38.19

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Cast iron frame.



## TEFC – Single Phase



1/3 thru 10 HP

**Applications:** Wide variety of agri-duty and industrial applications.

**Features:** Sealed ball bearings, lubricated with high temperature moisture resistant grease. Drive end seal and v-ring slinger to prevent moisture and contaminant ingress. Condensation drains, gasketed cast conduit boxes. Epoxy paint protects motor from harsh environments.

### TEFC - Totally Enclosed Fan Cooled, Single Phase, 1/3 - 10 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Foot Mounted</b>														
1/3	1725	56	TEFC	FDL3501M	3	13	1	60.0	60	6203	6203	B	23	11.35
1/2	1725	56	TEFC	FDL3504M	3.7	16.5	1.5	68.0	66	6203	6203	B	28	11.97
3/4	1725	56	TEFC	FDL3507M	4.4	35	2.25	74.0	75	6203	6203	B	37	13.35
1	1725	56H	TEFC	FDL3510M	6.5	37	3	67.0	73	6205	6203	B	41	12.93
	1725	143T	TEFC	FDL3510TM	6.5	37	3	67.0	73	6205	6203	B	40	13.29
1 1/2	1725	56H	TEFC	FDL3514M	6.2	49.5	4.48	80.0	96	6205	6203	A	49	13.81
	1725	145T	TEFC	FDL3514TM	6.2	49.5	4.48	80.0	96	6205	6203	A	51	14.17
<b>C-Face, Foot Mounted</b>														
1/3	1725	56C	TEFC	CFDL3501M	3	13	1	60.0	60	6203	6203	B	24	11.35
1/2	1725	56C	TEFC	CFDL3504M	3.7	16.5	1.5	68.0	66	6203	6203	B	28	11.97
3/4	1725	56C	TEFC	CFDL3507M	4.4	35	2.25	74.0	75	6203	6203	B	39	13.35
1	1725	56CH	TEFC	CFDL3510M	6.5	37	3	67.0	73	6205	6203	B	47	13.25
1 1/2	1725	56CH	TEFC	CFDL3514M	6.2	49.5	4.48	80.0	96	6205	6203	A	51	14.12
2	1740	56CHZ	TEFC	CFDL3516TM	7.9	58.5	6.04	80.0	99	6205	6203	A	53	14.13
<b>C-Face, Footless</b>														
1/3	1725	56C	TEFC	VFDL3501M	3	13	1	60.0	60	6203	6203	B	23	11.35
1/2	1725	56C	TEFC	VFDL3504M	3.7	16.5	1.5	68.0	66	6203	6203	B	27	11.97
3/4	1725	56C	TEFC	VFDL3507M	4.4	35	2.25	74.0	75	6203	6203	B	44	13.35
1	1725	56C	TEFC	VFDL3510M	6.5	37	3	67.0	73	6205	6203	B	40	13.25
1 1/2	1725	56C	TEFC	VFDL3514M	6.2	49.5	4.48	80.0	96	6205	6203	A	48	14.12
<b>Foot Mounted, Extra High Torque</b>														
2	1740	56HZ	TEFC	FDL3516TM	7.9	58.5	6.04	82.5	99	6205	6203	C	51	14.19
	1725	182T	TEFC	FDL3611TM	14	105	6	75.0	67	6206	6205	B	77	16.54
	1725	184	TEFC	FDL3611M	12.4	75	6	74.0	73	6206	6205	B	76	15.67
3	1750	184	TEFC	FDL3610M	15.5	144	9	80.0	76	6206	6205	C	90	17.18
	1750	184T	TEFC	FDL3610TM	15.5	144	9	80.0	76	6206	6205	C	90	18.05
	1725	184T	TEFC	FDL3619TM	13.2	100	9	81.5	90	6206	6205	C	82	16.54
5	1725	184T	TEFC	FDL3612TM	23	163	15	80.0	88	6206	6205	C	100	18.05
	1740	215	TEFC	FDL3731M	20.5	157	15.1	84.0	93	6307	6206	C	126	18.65
7 1/2	1730	213	TEFC	FDL3732M	30	222.4	22.6	84.0	97	6307	6206	C	147	18.65
	1730	213T	TEFC	FDL3733TM	30	222.4	22.6	84.0	97	6307	6206	C	146	19.02
10	1725	215T	TEFC	FDL3712TM	40	309	30.5	84.0	94	6307	6206	C	160	20.77
	1730	215T	TEFC	FDL3737TM	39	300	30.2	86.5	96	6307	6206	C	169	21.27
<b>C-Face, Footless, Extra High Torque</b>														
2	1740	145TC	TEFC	VFDL3516TM	7.9	58.5	6.04	82.5	99	6205	6203	C	53	14.17
3	1750	184TC	TEFC	VFDL3610TM	15.5	144	9	80.0	76	6206	6205	C	98	18.05
5	1725	184TC	TEFC	VFDL3612TM	23	163	15	80.0	88	6206	6205	C	101	18.33

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz, B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Grain Dryer/Centrifugal Fan Single & Three Phase



5 thru 50 HP

**Applications:** High pressure grain drying and storage for commercial and farm applications.

**Features:** Shaft length is 1" longer than NEMA standard. Screens on ODP to protect against entry of trash, snakes and rodents. Three phase ratings meet EPAAct efficiencies. Sealed bearings, drive end seal and v-ring slinger to prevent moisture and contaminant ingress on TEFC motors.

## TEFC - Totally Enclosed Fan Cooled and ODP - Open Drip Proof, Single and Three Phase, 5 - 50 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Single Phase, Open Drip Proof</b>														
5	1725	184TZ	ODP	GDL1605T	22.5	174	15	80.0	76	6206	6205	C	97	19.06
7 1/2	1725	215TZ	ODP	GDL1607T	32	250	22.3	82.5	90	6307	6206	C	142	22.57
10	1740	215TZ	ODP	GDL1610T	38	234	29.8	86.5	98	6307	6206	C	160	22.85
16	1760	256TZ	ODP	GDL1615T	62	331	48.7	86.5	96	6309	6307	D	271	24.19
<b>Three Phase, Open Drip Proof</b>														
5	1750	184TZ	ODP	GDM3218T	7.2	48	14.8	87.5	74	6206	6205	E	68	16.00
7 1/2	1750	213TZ	ODP	GDM3311T	9.9	141	22.6	88.5	80	6207	6205	E	92	18.00
10	1765	215TZ	ODP	GDM3313T	13.4	93.5	29.7	89.5	78	6307	6206	E	116	17.32
15	1760	254TZ	ODP	GDM2513T	19	135.7	44.67	91.0	81	6309	6206	E	156	21.00
20	1760	254TZ	ODP	GDM2515T	24	165.8	59.8	91.7	84	6309	6206	E1	187	23.25
25	1760	284TZ	ODP	GDM2531T	31	191.3	74.6	91.7	83	6311	6208	E1	245	24.44
30	1760	284TZ	ODP	GDM2535T	36	244	89.4	92.4	84	6311	6208	E1	281	25.94
<b>Three Phase, Totally Enclosed Fan Cooled</b>														
3	1740	182TZ	TEFC	GDM3611T	4.1	32	9.13	85.5	81	6206	6203	E	60	16.14
5	1745	184TZ	TEFC	GDM3615T	6.8	48.4	15	87.5	78	6206	6203	E	80	17.55
7 1/2	1770	213TZ	TEFC	GDM3710T	10.1	77.5	22.2	89.5	77	6307	6206	E	117	18.90
10	1770	215TZ	TEFC	GDM3714T	13.5	107	29.5	89.5	77	6307	6206	E	131	20.03
15	1755	254TZ	TEFC	GDM2333T	18.9	137.2	44.4	89.5	82	6309	6307	E	231	22.07
20	1760	256TZ	TEFC	GDM2334T	25	174	59.7	91.0	83	6309	6307	E1	245	23.83
25	1760	284TZ	TEFC	GDM4103T	29	208	74	92.4	84	6311	6208	E1	345	26.93
30	1760	286TZ	TEFC	GDM4104T	36	259	88.9	92.4	84	6311	6208	E1	364	26.93
40	1770	324TZ	TEFC	GDM4110T	47	300	119	93.0	85	6312	6309	E1	497	31.39
50	1760	326TZ	TEFC	GDM4115T	60	338	150	91.0	86	6312	6311	E1	552	31.28

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz, B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Cast iron frame.

# Grain Dryer/Vane Axial Fan Single & Three Phase



1 1/2 thru 15 HP

**Applications:** Vane axial fan crop dryers.

**Features:** Shaft 3/4" longer than NEMA standard, shaft keyed, drilled and tapped with internal 1/4-20 tap 1" deep. Thermostats. Epoxy paint. TEAO motors have sealed bearings, drive end seal and v-ring slinger to prevent moisture and contaminant ingress.

## TEAO - Totally Enclosed air over and OPAO - Open Air Over, Single Phase and Three Phase, 1 1/2 - 15 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Single Phase, Totally Enclosed Air Over</b>														
1.5 - 3	3450	145TZ	TEAO	UCLE153	12.5	77	4.6	85.5	95	6206	6203	C	52	14.25
3 - 4.5	3450	145TZ	TEAO	UCLE3145	12.5	108	6.6	82.5	97	6206	6203	C	61	15.62
5 - 7.5	3450	182TZ	TEAO	UCLE570	20.5	239	10.8	83.1	99	6206	6205	C	93	16.88
7.5 - 10	3450	182TZ	TEAO	UCLE7510	38	213	15.2	85.5	95	6206	6205	C	95	16.88
10 - 15	3500	215Z	TEAO	UCLE1015	46	391	22.5	87.8	91	6307	6206	C	167	18.56
<b>Single Phase, Open Air Over</b>														
1.5 - 3	3450	145TZ	OPAO	UCL153	13.6	71	4.5	77.0	94	6206	6203	C	52	14.25
3 - 4.5	3450	145TZ	OPAO	UCL3145	14.3	136	6.8	77.8	91	6206	6203	C	59	15.62
	3450	182Z	OPAO	UCL345	22	115	6.8	74.0	86	6206	6205	C	72	14.88
5 - 7.5	3450	182TZ	OPAO	UCL570	35	195	10.5	80.0	82	6206	6205	C	91	16.88
7.5 - 10	3450	182TZ	OPAO	UCL710	31	210	15	85.0	93	6206	6205	C	89	16.88
7.5 - 10.5	3450	215Z	OPAO	UCL7510	37	205	15.8	81.0	82	6307	6206	C	107	17.44
10 - 15	3450	215Z	OPAO	UCL1015	44	395	22.5	84.0	89	6307	6206	C	137	17.81
<b>Three Phase, Totally Enclosed Air Over</b>														
1.5 - 3	3450	145TZ	TEAO	UCME153	4.1	35	4.6	80.0	83	6206	6203	E	39	13.37
3 - 4.5	3450	143TZ	TEAO	UCME3145	6	50	6.8	82.7	86	6206	6203	E	46	13.37
	3450	182Z	TEAO	UCME345	6	47	7.5	85.5	93	6206	6205	E	67	14.88
5 - 7.5	3450	184TZ	TEAO	UCME570	9	80	11.3	86.1	90	6206	6205	E1	69	15.38
7.5 - 10	3450	184TZ	TEAO	UCME7510	11.5	100	15	86.5	94	6206	6205	E1	85	16.88
7.5 - 9.2	3450	184TZ	TEAO	UCME759	8.5	100	15	89.5	90	6206	6205	E	84	16.88
10 - 14	3450	215Z	TEAO	UCME1014	16.5	120	21.3	89.5	90	6307	6206	E	124	16.69
<b>Three Phase, Open Air Over</b>														
1.5 - 3	3450	145TZ	OPAO	UCM153	4.1	35	4.6	80.0	83	6206	6203	E	43	13.37
3 - 4.5	3450	143TZ	OPAO	UCM3145	6	50	7	82.6	86	6206	6203	E	47	13.37
	3450	182Z	OPAO	UCM345	5.8	40	6.8	84.0	87	6206	6203	E	54	14.25
5 - 7.5	3450	184TZ	OPAO	UCM575	9.5	51.4	11.4	84.0	87	6206	6205	E1	66	15.38
7.5 - 10	3450	184TZ	OPAO	UCM713	12	100	15	84.0	92	6206	6205	E	89	16.88
10 - 15	3450	215Z	OPAO	UCM1014	18	110	15	85.5	89	6307	6206	E	102	16.69

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.



## Universal Crop Dryer Single Phase PSC (Switchless)



3 thru 15 HP

**Applications:** Specifically engineered for use on vane axial fan crop dryers.

**Features:** TEAO design prevents entrance of rodents, insects and other foreign matter. High full load efficiency for reduced operating cost. No mechanical switch to wear. No noise and vibration from regeneration. Less sensitive to voltage variations. Soft start. Thermostats. Epoxy paint. 1.00 Service Factor. Class F insulation.

### TEAO - Totally Enclosed Air Over and OPAO - Open Air Over, Single Phase PSC (switchless), 3 - 15 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Totally Enclosed Air Over</b>														
3 - 4.5	3450	184Z	TEAO	UCCE345	13	125	6.8	82.0	99	6206	6205	C	75	14.88
5 - 7.5	3450	184TZ	TEAO	UCCE570	19	158	10.6	84.0	98	6206	6205	C	86	16.88
7.5 - 9.2	3450	184TZ	TEAO	UCCE759	30	175	15.9	85.5	95	6307	6206	C	91	16.88
7.5 - 10.5	3450	215Z	TEAO	UCCE7510	30	175	15.9	84.0	98	6307	6206	C	108	17.44
13	3450	215Z	TEAO	UCCE130	50	275	19.6	85.0	97	6307	6206	C	137	18.57
<b>Open Air Over</b>														
5 - 7.5	3450	184TZ	OPAO	UCC5700	19.5	125	10.7	79.0	97	6206	6205	C	74	15.38
7.5 - 10	3450	184TZ	OPAO	UCC7100	28	187	15.3	85.5	95	6206	6205	C	78	16.88
10 - 15	3450	215Z	OPAO	UCC10150	41	245	22.8	83.0	98	6307	6206	C	127	18.57

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Irrigation Tower Drive TENV — 460 Volts, Three Phase



1 HP

**Applications:** Irrigation tower drive motors.

**Features:** Sealed fit at endplates. Sheds water. Conduit box cast into front endplate. Epoxy paint. High overload capabilities. The "P" indicates less pulley endplate for integral mounting; can be field modified for older designs with internal thru bolts. Operable at 50/60 Hz. 1.00 service factor.

### TENV - Totally Enclosed Non-Ventilated - 460 Volts, Three Phase, 1 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE		
<b>No Endplate Footless</b>													
1	1740	56YZ	TENV	IM3540A-P	1.7	15.7	3.02	80.0	68	—	6203	43	11.02
<b>C-Face, Footless</b>													
1	1740	56C	TENV	IM3540A	1.7	15.7	3.02	80.0	68	6205	6203	42	13.27

**NOTE:** Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Auger Drive TEFC — Single Phase



1/3 thru 1 1/2 HP

**Applications:** Poultry feed auger drive systems.

**Features:** Mechanical protection of centrifugal switch to prevent damage to motor in case of over-speed. Manual reset thermal protection mounted in oversize conduit box. Farm Duty epoxy paint and thermal cover protect motor from harsh environments. Extended shaft (fan end) with wrench flats for manual jogging of auger. NEMA 56N flange connects to the drive/gear box assembly. Gear reducer is assembled to motor. High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor.

### TEFC - Totally Enclosed Fan Cooled - 115/230 Volts, Single Phase, 1/3 - 1 1/2 HP, Flange Mount, Capacitor Start

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Flange Mounted</b>														
1/3	1725	48YZ	TEFC	ANFL3501M	3	13	1	60.0	60	6203	6203	B	24	12.44
1/2	1725	48YZ	TEFC	ANFL3504M	3.7	16.5	1.5	68.0	66	6203	6203	B	28	12.44
3/4	1725	48YZ	TEFC	ANFL3507M	4.1	31	2.25	74.0	80	6203	6203	B	34	13.32
1	1725	56YZ	TEFC	ANFL3510M	6.5	37	3	67.0	73	6203	6203	B	41	13.55
1 1/2	1725	56YZ	TEFC	ANFL3514M	9	57	4.5	75.5	73	6203	6203	B	49	14.43

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Grain Stirring TEFC — 208-230 Volts, Single Phase



1 1/2 HP

**Applications:** Inside bin grain stirring systems.

**Features:** Corrosion resistant epoxy finish, slotted fan cover designed to prevent clogging. Manual thermal with cover. 1.00 service factor, Class F insulation.

### TEFC - Totally Enclosed Fan Cooled, 208-230 Volts, Single Phase, 1 1/2 HP, Foot Mount, Capacitor Start, Capacitor Run

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE		
<b>Foot Mounted</b>													
1 1/2	1750	56Z	TEFC	GSL3509M	6.4	49.2	4.52	80	94	6205	6203	41	12.29

**NOTE:** Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Instant Reverse TEFC – Single Phase



### 3/4 thru 2 HP

**Applications:** Farm applications such as barn cleaners, bulk feeders and industrial applications.

**Features:** Epoxy paint protects motor from harsh environments. Manual thermal with cover mounted in conduit box for protection, ball bearings, condensation drains, heavy-gauge steel construction.

### TEFC - Totally Enclosed Fan Cooled - Single Phase, 3/4 - 2 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Foot Mounted</b>														
3/4	1725	56	TEFC	IR3507M	4.6	54	2.3	70.0	76	6205	6203	A	40	13.25
1	1725	56	TEFC	IR3510M	6.2	40.4	3	65.0	70	6205	6203	C	40	13.25
1 1/2	1725	184	TEFC	IR3603M	10	55	4.5	69.0	67	6206	6205	C	68	15.68
2	1725	184	TEFC	IR3605M	11.5	62	6	71.0	75	6206	6205	C	76	15.68

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Aeration Fan TEAO – Single & Three Phase



### 3/4 thru 3 HP

**Applications:** Aeration fans for farm grain storage, exhaust fans, air handling systems, etc.

**Features:** Lubrication fittings on NEMA T frames for easy on-site maintenance, ball bearings, corrosion protected with epoxy finish. Normally-closed thermostats on three phase motors.

### TEAO - Totally Enclosed Air Over, Single and Three Phase, 3/4 - 3 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE			
<b>Single Phase</b>														
3/4	3450	56Z	TEAO	AFL3520A	5.5	25	1.2	71.0	68	6203	6203	B	29	11.59
1	3450	56	TEAO	AFL3521A	6	38.5	1.5	66.0	81	6205	6203	B	39	12.68
1 1/2	3450	56	TEAO	AFL3525A	8.3	42	2.3	70.0	82	6205	6203	B	42	12.68
	3450	143TZ	TEAO	AFL3522A	8.3	42	2.3	70.0	82	6205	6203	B	43	12.74
2	3450	143TZ	TEAO	AFL3523A	11.5	78	3	74.0	82	6205	6203	B	51	13.61
3	3450	145TZ	TEAO	AFL3524A	15	92	4.5	78.0	83	6205	6203	C	52	13.61
<b>Three Phase</b>														
3/4	3450	56Z	TEAO	AFM3528	1.3	7.6	1.2	74.0	73	6203	6203	E1	24	10.97
1	3450	56Z	TEAO	AFM3529	1.8	11	1.5	75.5	71	6203	6203	E1	22	10.97
1 1/2	3450	143TZ	TEAO	AFM3530	2.3	18.4	2.25	80.0	74	6205	6203	E	30	12.45
3	3450	145T	TEAO	AFM3532	3.8	32.9	4.6	82.5	89	6205	6203	E	45	12.74

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Direct Drive Fan TEAO — Single Phase (PSC)



1/4 thru 3/4 HP

**Applications:** Confinement houses, exhaust fans, air handling fans, unit heaters.

**Features:** Double sealed ball bearings, rugged steel frame, corrosion resistant epoxy finish. 1" extended thru bolts. Permanent split capacitor.

### TEAO - Totally Enclosed Air Over, Single Phase (PSC), 1/4 - 3/4 HP

HP	RPM	Frame	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Volt Code	Aprox Wt. (lb)	"C" Dim.
				Full Load	Locked Rotor				DE	ODE			
<b>Single Phase, Permanent Split Capacitor</b>													
1/4	1700	48Z	CHC3413A	2.4	7.6	0.75	54.0	62	6203	6203	B	22	11.35
	1100	48Z	CHC3414A	2.2	5.6	1.15	51.0	67	6203	6203	B	24	11.97
1/3	1700	48Z	CHC3416A	2.8	9.6	1	56.0	69	6203	6203	B	25	11.97
	1100	48Z	CHC3417A	2.8	7.6	1.5	54.0	67	6203	6203	B	26	11.97
1/2	1700	56Z	CHC3524A	3.4	13.6	1.5	67.0	69	6203	6203	B	28	13.59
	1725	56Z	CHL3523A	3.7	16.5	1.5	68.0	66	6203	6203	B	28	12.72
	1100	56Z	CHC3525A	2.6	8.08	2.4	70.0	92	6203	6203	B	40	13.54
	825	56Z	CHC3526A	4.6	11	3.1	50.0	68	6203	6203	B	50	14.42
3/4	1125	56Z	CHC3528A	4.5	15.6	3.5	71.0	74	6203	6203	B	50	14.42

**NOTE:** Volt Code: A = 115/208-230V, 60 Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Dairy/Vacuum Pump TEFC — 230 Volts, Single Phase



7 1/2 & 10 HP

**Applications:** Vacuum pumps used in the dairy industry.

**Features:** Manual thermal overload protected, heavy-gauge steel frame. 1.15 Service Factor. 50°C ambient-continuous duty. Farm duty epoxy paint.

### TEFC - Totally Enclosed Fan Cooled, 230 Volts, Single Phase, 7 1/2 & 10 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE		
7 1/2	1725	215T	TEFC	DEL3733TM	28	220	22.4	85.0	98	6307	6206	160	20.77
10	1760	215T	TEFC	DEL3737TM	39	266	29.8	86.5	96	6307	6306	162	21.27

**NOTE:** Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Metering Pump TEFC — 230/460 Volts, Three Phase



1/3 HP

**Applications:** Metering pump systems primarily used to inject chemicals into irrigation distribution systems.

**Features:** TEFC industrial quality. Designed with conduit box at 12 o'clock position to facilitate mounting on existing chemical injection pumps. Epoxy paint. Designed for use at 230/460 volts 60hz or 190/380 volts 50hz.

### TEFC - Totally Enclosed Fan Cooled - 230/460 Volts, Three Phase, 1/3 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE		
1/3	1725	48	TEFC	MPM3458	0.8	4.4	1	68.0	57	6203	6203	20	10.72

**NOTE:** Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Incubator/Hatchery Vent Fan TEAO — 115/230 Volts, Single Phase



1/3 HP

**Applications:** Direct drive hatchery and incubator fans.

**Features:** 40°C ambient, 60 Hertz, aluminum endplates, automatic thermal overloads, and ball bearings. 1.0 service factor. Extended thru bolts. Pilot circuit.

### TEAO - Totally Enclosed Air Over, 115/230 Volts, Single Phase, 1/3 HP

HP	RPM	Frame	Encl.	Catalog Number	Amps @ High V		Full Load Torque Lb. Ft.	Full Load Efficiency %	Full Load Power Factor %	Bearings		Aprox Wt. (lb)	"C" Dim.
					Full Load	Locked Rotor				DE	ODE		
1/3	1625	48Z	TEAO	HIC264A	1.9	5.37	1.06	64.0	90	6203	6203	20	10.09
	1725	48Z	TEAO	HIC274A	2.2	9.41	1.01	66.0	75	6203	6203	20	10.09

**NOTE:** Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.



Catalog Number	Page	Catalog Number	Page	Catalog Number	Page
AFL3520A	9	FDEM4314T	3	IR3507M	9
AFL3521A	9	FDEM4316T	3	IR3510M	9
AFL3522A	9	FDEM4400T	3	IR3603M	9
AFL3523A	9	FDL3501M	4	IR3605M	9
AFL3524A	9	FDL3504M	4	MPM3458	11
AFL3525A	9	FDL3507M	4	UCC5700	7
AFM3528	9	FDL3510M	4	UCC7100	7
AFM3529	9	FDL3510TM	4	UCC10150	7
AFM3530	9	FDL3514M	4	UCCE130	7
AFM3532	9	FDL3514TM	4	UCCE345	7
ANFL3501M	8	FDL3516TM	4	UCCE570	7
ANFL3504M	8	FDL3610M	4	UCCE759	7
ANFL3507M	8	FDL3610TM	4	UCCE7510	7
ANFL3510M	8	FDL3611M	4	UCL153	6
ANFL3514M	8	FDL3611TM	4	UCL345	6
CFDL3501M	4	FDL3612TM	4	UCL570	6
CFDL3504M	4	FDL3619TM	4	UCL710	6
CFDL3507M	4	FDL3712TM	4	UCL1015	6
CFDL3510M	4	FDL3731M	4	UCL3145	6
CFDL3514M	4	FDL3732M	4	UCL7510	6
CFDL3516TM	4	FDL3733TM	4	UCLE153	6
CHC3413A	10	FDL3737TM	4	UCLE570	6
CHC3414A	10	GDL1605T	5	UCLE1015	6
CHC3416A	10	GDL1607T	5	UCLE3145	6
CHC3417A	10	GDL1610T	5	UCLE7510	6
CHC3524A	10	GDL1615T	5	UCM153	6
CHC3525A	10	GDM2333T	5	UCM345	6
CHC3526A	10	GDM2334T	5	UCM575	6
CHC3528A	10	GDM2513T	5	UCM713	6
CHL3523A	10	GDM2515T	5	UCM1014	6
DEL3733TM	10	GDM2531T	5	UCM3145	6
DEL3737TM	10	GDM2535T	5	UCME153	6
FDEM2333T	3	GDM3218T	5	UCME345	6
FDEM2334T	3	GDM3311T	5	UCME570	6
FDEM3546	3	GDM3313T	5	UCME759	6
FDEM3546T	3	GDM3611T	5	UCME1014	6
FDEM3554	3	GDM3615T	5	UCME3145	6
FDEM3554T	3	GDM3710T	5	UCME7510	6
FDEM3558	3	GDM3714T	5	VFDL3501M	4
FDEM3558T	3	GDM4103T	5	VFDL3504M	4
FDEM3611T	3	GDM4104T	5	VFDL3507M	4
FDEM3615T	3	GDM4110T	5	VFDL3510M	4
FDEM3710T	3	GDM4115T	5	VFDL3514M	4
FDEM3714T	3	GSL3509M	8	VFDL3516TM	4
FDEM4103T	3	HIC264A	11	VFDL3610TM	4
FDEM4104T	3	HIC274A	11	VFDL3612TM	4
FDEM4110T	3	IM3540A	7		
FDEM4115T	3	IM3540A-P	7		

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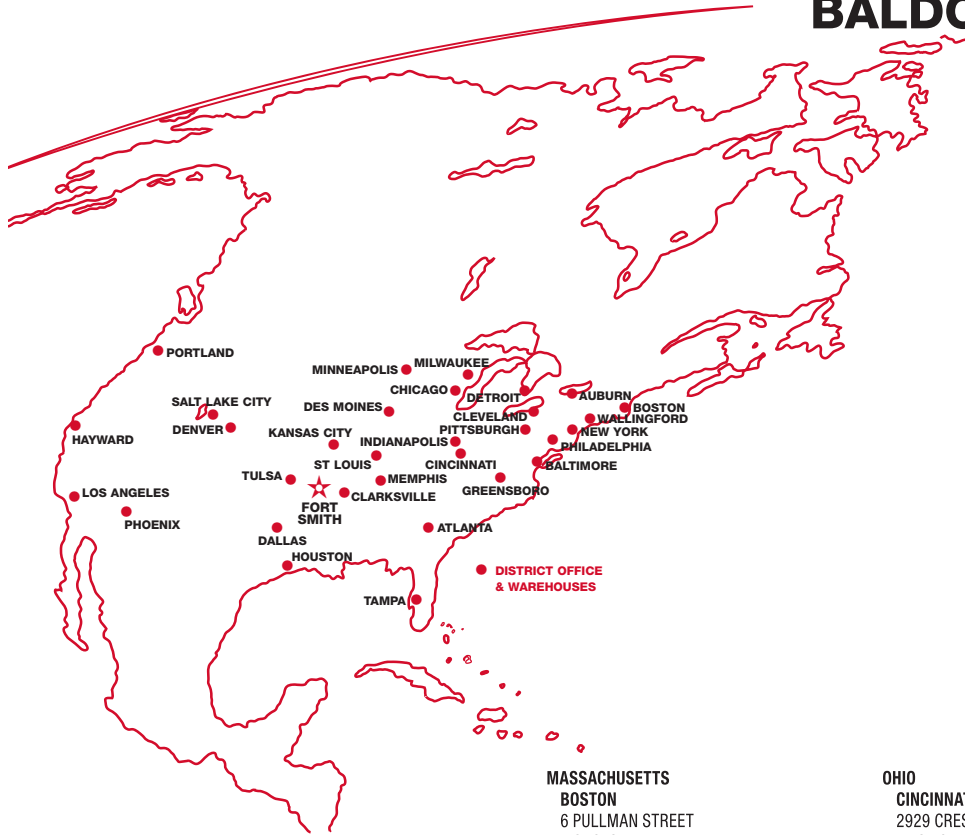
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