

## Farm duty motors

ABB offers one of the most complete lines of Farm duty motors available on the market. As the largest motor manufacturer in North America, ABB has led the market for Farm duty motors for years. We have the motor for just about any agricultural applications you may have.



### Key features:

- Dynamically balanced rotor to reduce noise and increased bearing life
- Color coded and numbered leads for ease of connectivity
- Corrosion resistant brown epoxy finish
- Optimized windings to protect against voltage drop and phase shift
- Baldor-Reliance® motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations

### 1/3 - 100 Horsepower

Product line – TEFC, ODP, TEAO, OPAO & TENV enclosures	Super-E®	Grain Dryer/ Centrifugal Fan	Grain Dryer/ Vane Axial Fan	Universal Crop Dryer	Aeration Fan	(PSC)-Direct Drive Fan	
<b>NEMA frame sizes</b>	56-405T	184TZ-326TZ	145TZ-215TZ	184Z-215Z	56Z-145T	48Z-56Z	
<b>Electrical features</b>							
<b>Efficiency</b>	Super-E® motor designs meet or exceed NEMA Premium® requirements	S	S	S	-	S	-
<b>Torque</b>	NEMA Design B torques as a minimum	S	-	S	-	S	-
<b>Service factor &amp; temp. rise</b>	1.0 service factor – continuous	S	S	S	S	S	S
	1.15 service factor	S	S	S	-	-	-
	1.25 service factor	-	-	-	-	S	-
<b>Windings</b>	Class F insulation with Class B rise	S	S	S	S	S	S
	Single phase	S	S	S	S	S	S
	Three phase	S	S	S	-	S	-
	Corona inception testing – meets NEMA Part 31.4.4.2	S	S	S	S	S	S
<b>Connections</b>	Single dip & bake with 100% solids epoxy	S	S	S	S	S	S
	Grounding terminal inside main conduit box	S	S	S	S	S	S
<b>Document</b>	Documented final motor tests – ship with motor	A	A	A	A	A	A
<b>Mechanical features</b>							
<b>Frame</b>	Steel band frame – cast iron endplates & conduit box, steel fan cover	S	S	S	S	S	S
	Cast iron frame – cast iron endplates & conduit box, steel fan cover	S	S	-	-	-	-
	Screens on ODP to protect against entry or trash, snakes or rodents	-	S	S	S	-	-
<b>Conduit box</b>	Oversized conduit box rotatable in 90 degree increments on three phase motors	A	A	A	-	A	-
	Gasketed conduit box	S	A	A	A	A	-
	NPT threaded lead inlet hole in conduit box	S	S	-	S	S	S
<b>Lubrication</b>	Lubrication fittings on T frames	S	-	-	-	S	-
	Grease inlet fitting – DE & ODE on bearings not sealed	-	-	-	S	S	-
	Mobil Polyrex™ EM moisture resistant grease	S	S	S	A	A	S
<b>Shaft seals</b>	Lip and V-Ring seal on drive end	S	S	S	S	-	-
<b>Cooling</b>	Non-metallic external cooling fan	S	S	-	-	-	-
<b>Paint</b>	Corrosion resistant E-Coat	S	S	S	S	S	S
	Painted with brown 2-part epoxy primer and epoxy finish coat	S	S	S	S	S	S
<b>Nameplate</b>	Laser etched nameplate with highly legible font	S	S	S	S	S	S

S = Standard A = Available through Mod Express® or as custom

# Super-E®, three phase, TEFC

1/2 thru 100 Hp

**IP54**



**Features:**

- Lubed for life double sealed ball bearings
- Lip seal and V-Ring slinger on DE for increased moisture resistance
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2

**Applications:**

- Industrial fans
- General purpose farm
- Industrial pumps

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/2	1800	56	<b>FDM3538</b>	530	FD3	11.35	24	74.0	208-230/460	1.0	1
3/4	1800	56	<b>FDM3542</b>	567	FD3	11.35	27	75.5	208-230/460	1.5	1
1	1800	56	<b>FDEM3546</b>	755	FD3	12.23	38	85.5	230/460	1.5	1, 30
		143T	<b>FDEM3546T</b>	765	FD3	12.31	38	85.5	230/460	1.5	1, 30
1 1/2	1800	56	<b>FDEM3554</b>	772	FD3	13.23	41	86.5	230/460	2.2	1, 30
		145T	<b>FDEM3554T</b>	787	FD3	13.31	41	86.5	230/460	2.2	1, 30
2	1800	56	<b>FDEM3558</b>	791	FD3	13.23	45	86.5	230/460	2.9	1, 30
		145T	<b>FDEM3558T</b>	815	FD3	13.31	45	86.5	230/460	2.9	1, 30
3	3600	182T	<b>FDEM3610T</b>	936	FD3	16.52	64	87.5	230/460	3.5	1, 30
	1800	182T	<b>FDEM3611T</b>	903	FD3	16.55	70	89.5	230/460	4.2	1, 30
5	3600	184T	<b>FDEM3613T</b>	1,048	FD3	16.55	74	88.5	230/460	5.9	1, 30
	1800	184T	<b>FDEM3615T</b>	986	FD3	18.05	93	89.5	230/460	6.7	1, 30
7 1/2	3600	213T	<b>FDEM3709T</b>	1,565	FD3	17.89	121	89.5	230/460	9	1, 30
	1800	213T	<b>FDEM3710T</b>	1,419	FD3	19.02	127	91.7	230/460	9.4	1, 30
10	3600	215T	<b>FDEM3711T</b>	1,586	FD3	17.89	118	90.2	230/460	11.8	1, 30
	1800	215T	<b>FDEM3714T</b>	1,599	FD3	20.52	165	91.7	230/460	12	1, 30
15	3600	254T	<b>FDEM2394T</b>	2,688	FD3	23.66	254	91	230/460	17.5	1, 30
	1800	254T	<b>FDEM2333T</b>	2,464	FD3	23.66	270	92.4	230/460	18.1	1, 30
20	3600	256T	<b>FDEM4106T</b>	2,947	FD3	23.66	271	91	230/460	23	1, 30
	1800	256T	<b>FDEM2334T</b>	2,978	FD3	23.66	300	93	230/460	24	1, 30
25	3600	284TS	<b>FDEM4107T</b>	3,842	FD3	24.71	323	91.7	230/460	29	1, 30
	1800	284T	<b>FDEM4103T</b>	3,893	FD3	27.76	380	93.6	230/460	30	1, 30
30	3600	286TS	<b>FDEM4108T</b>	4,555	FD3	24.71	323	91.7	230/460	34	1, 30
	1800	286T	<b>FDEM4104T</b>	4,608	FD3	27.76	425	93.6	230/460	38	1, 30
40	3600	324TS	<b>FDEM4109T</b>	6,276	FD3	28.78	528	92.4	230/460	46	1, 30
	1800	324T	<b>FDEM4110T</b>	6,062	FD3	30.28	567	94.1	230/460	48	1, 30
50	3600	326TS	<b>FDEM4114T</b>	6,856	FD3	28.78	575	93	230/460	56	1, 30
	1800	326T	<b>FDEM4115T</b>	6,614	FD3	30.28	610	94.5	230/460	58	1, 30
60	1800	364T	<b>FDEM4314T</b>	9,497	FD3	33.48	910	95	230/460	67.8	1, 30
75	1800	365T	<b>FDEM4316T</b>	11,072	FD3	33.48	977	95.4	230/460	84.9	1, 30
100	1800	405T	<b>FDEM4400T</b>	13,784	FD3	38.19	1,326	95.4	230/460	112	1, 30
<b>C-Face, footless</b>											
1/2	1800	56C	<b>VFDM3538</b>	515	FD3	11.35	24	74	230/460	1.0	1, 30
3/4	1800	56C	<b>VFDM3542</b>	557	FD3	11.35	27	75.5	230/460	1.5	1, 30
1	1800	56C	<b>VFDEM3546</b>	742	FD3	12.23	37	85.5	230/460	1.5	1, 30
1 1/2	1800	56C	<b>VFDEM3554</b>	760	FD3	13.23	41	86.5	230/460	2.2	1

(a) See notes on inside back flap.

■ Cast iron frame

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>575 volt</b>											
1	1800	56	<b>FDEM3546-5</b>	755	FD3	12.23	37	85.5	575	1.2	
		143T	<b>FDEM3546T-5</b>	765	FD3	12.31	37	85.5	575	1.2	
1 1/2	1800	56	<b>FDEM3554-5</b>	772	FD3	13.23	41	86.5	575	1.8	
		145T	<b>FDEM3554T-5</b>	787	FD3	13.31	41	86.5	575	1.8	
2	1800	56	<b>FDEM3558-5</b>	791	FD3	13.23	45	86.5	575	2.3	
		145T	<b>FDEM3558T-5</b>	815	FD3	13.31	45	86.5	575	2.3	
3	3600	182T	<b>FDEM3610T-5</b>	936	FD3	15.14	50	86.5	575	2.9	
	1800	182T	<b>FDEM3611T-5</b>	903	FD3	16.55	73	89.5	575	3.3	
5	3600	184T	<b>FDEM3613T-5</b>	1,048	FD3	16.55	74	88.5	575	4.7	
	1800	184T	<b>FDEM3615T-5</b>	986	FD3	18.05	93	89.5	575	5.3	
7 1/2	3600	213T	<b>FDEM3709T-5</b>	1,565	FD3	17.89	121	89.5	575	7	
	1800	213T	<b>FDEM3710T-5</b>	1,419	FD3	19.02	129	91.7	575	7.5	
10	3600	215T	<b>FDEM3711T-5</b>	1,586	FD3	17.89	121	90.2	575	9.5	
	1800	215T	<b>FDEM3714T-5</b>	1,599	FD3	20.52	165	92.4	575	10	
15	3600	254T	<b>FDEM2394T-5</b>	2,688	FD3	23.66	239	91.0	575	13.7	
	1800	254T	<b>FDEM2333T-5</b>	2,464	FD3	23.66	268	92.4	575	14.6	
20	3600	256T	<b>FDEM4106T-5</b>	2,947	FD3	23.66	229	91.0	575	18	
	1800	256T	<b>FDEM2334T-5</b>	2,987	FD3	23.66	322	93.0	575	19.2	
25	3600	284TS	<b>FDEM4107T-5</b>	3,842	FD3	24.70	317	91.7	575	23	
	1800	284T	<b>FDEM4103T-5</b>	3,893	FD3	27.76	447	93.6	575	25	
30	3600	286TS	<b>FDEM4108T-5</b>	4,555	FD3	24.70	317	91.7	575	28	
	1800	286T	<b>FDEM4104T-5</b>	4,606	FD3	27.76	461	93.6	575	31	
40	3600	324TS	<b>FDEM4109T-5</b>	6,276	FD3	28.78	553	92.4	575	37	
	1800	324T	<b>FDEM4110T-5</b>	6,062	FD3	30.28	605	94.1	575	39	
50	3600	326TS	<b>FDEM4114T-5</b>	6,856	FD3	28.78	595	93.0	575	45	
	1800	326T	<b>FDEM4115T-5</b>	6,614	FD3	30.28	695	94.5	575	46	
60	1800	364T	<b>FDEM4314T-5</b>	9,497	FD3	33.48	965	95.0	575	54.7	
75	1800	365T	<b>FDEM4316T-5</b>	11,072	FD3	33.49	965	95.4	575	68.7	
100	1800	405T	<b>FDEM4400T-5</b>	13,784	FD3	38.19	1,326	95.4	575	89.6	

(a) See notes on inside back flap.

■ Cast iron frame

# Single phase, TEFC

1/3 thru 16 Hp

IP54



**Features:**

- Lubed for life double sealed ball bearings
- Lip seal and V-Ring slinger on DE for increased moisture resistance
- Gasketed manual reset thermal overload protection

**Applications:**

- Agri-duty
- Industrial fans
- General purpose farm
- Industrial pumps

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot mounted</b>											
1/3	1800	56	<b>FDL3501M</b>	453	FD1	11.35	23	60	115/230	3	13, 30
1/2	1800	56	<b>FDL3504M</b>	529	FD1	11.97	28	68	115/230	3.7	12, 30
3/4	1800	56	<b>FDL3507M</b>	621	FD1	13.35	37	74	115/230	4.4	12
1	1800	56H	<b>FDL3510M</b>	703	FD1	12.93	41	67	115/230	6.5	30
		143T	<b>FDL3510TM</b>	703	FD1	13.29	40	67	115/230	6.5	30
1 1/2	1800	56H	<b>FDL3514M</b>	791	FD1	13.91	49	80	115/230	6.2	2
		145T	<b>FDL3514TM</b>	793	FD1	14.17	51	80	115/208-230	6.2	2
<b>C-Face, foot mounted</b>											
1/2	1800	56C	<b>CFDL3504M</b>	695	FD1	11.97	28	68	115/230	3.7	12, 30
3/4	1800	56C	<b>CFDL3507M</b>	807	FD1	13.35	39	74	115/230	4.4	12
1	1800	56CH	<b>CFDL3510M</b>	911	FD1	13.25	47	67	115/230	6.5	30
1 1/2	1800	56CH	<b>CFDL3514M</b>	1,024	FD1	14.12	51	80	115/208-230	6.2	2
2	1800	56CHZ	<b>CFDL3516TM</b>	1,298	FD1	14.13	53	82.5	230	7.9	1
<b>C-Face, footless</b>											
1/3	1800	56C	<b>VFDL3501M</b>	585	FD1	11.35	23	60	115/230	3	13, 30
1/2	1800	56C	<b>VFDL3504M</b>	670	FD1	11.97	27	68	115/230	3.7	12, 30
3/4	1800	56C	<b>VFDL3507M</b>	780	FD1	13.35	44	74	115/230	4.4	12
1	1800	56C	<b>VFDL3510M</b>	882	FD1	13.25	40	67	115/230	6.5	30
1 1/2	1800	56C	<b>VFDL3514M</b>	999	FD1	14.12	48	80	115/208-230	6.2	2
<b>Foot mounted, extra high torque</b>											
2	1800	56HZ	<b>FDL3516TM</b>	1,119	FD1	14.19	51	82.5	230	7.9	1
		182T	<b>FDL3611TM</b>	1,262	FD1	16.55	77	75	115/230	14	2
		184	<b>FDL3611M</b>	1,295	FD1	15.67	76	74	115/230	12.4	2
		184	<b>FDL3610M</b>	1,537	FD1	17.18	90	80	230	15.5	2, 20
3	1800	184T	<b>FDL3610TM</b>	1,500	FD1	18.05	90	80	230	15.5	2, 20
		184T	<b>FDL3619TM</b>	1,208	FD1	16.54	82	81.5	230	13.2	2, 20
5	1800	184T	<b>FDL3612TM</b>	1,574	FD1	18.05	100	80	230	23	2, 20
		215	<b>FDL3731M</b>	1,934	FD1	18.65	126	84	230	20.5	2, 20
7 1/2	1800	213	<b>FDL3732M</b>	2,226	FD1	18.65	147	84	230	30	2, 20
		213T	<b>FDL3733TM</b>	2,049	FD1	19.02	146	84	230	30	2, 20
10	1800	215T	<b>FDL3712TM</b>	2,252	FD1	20.77	160	84	230	40	2, 20, 89
		215T	<b>FDL3737TM</b>	2,397	FD1	21.27	169	86.5	230	39	2, 20, 89
16	1800	256T	<b>FDL3912T</b>	3,475	FD1	24.56	290	86.5	208-230	58	2, 20
		256T	<b>FDL1177T</b>	4,594	FD1	23.28	322	87.5	208-230	61	2, 20
<b>C-Face, footless, extra high torque</b>											
2	1800	145TC	<b>VFDL3516TM</b>	1,298	FD1	14.17	53	82.5	230	7.9	1, 20
3	1800	184TC	<b>VFDL3610TM</b>	1,758	FD1	18.05	98	80	230	15.5	2, 20
5	1800	184TC	<b>VFDL3612TM</b>	2,147	FD1	18.33	101	80	230	23	2, 20
<b>C-Face, footless, F-2, extra high torque</b>											
2	1800	145TC	<b>VDFDL3516TM</b>	1,298	FD1	14.17	53	82.5	230	7.9	1, 20
3	1800	184TC	<b>VDFDL3610TM</b>	1,758	FD1	18.05	98	80	230	15.5	2, 20
5	1800	184TC	<b>VDFDL3612TM</b>	2,147	FD1	18.33	101	80	230	23	2, 20

(a) See notes on inside back flap.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

## Single phase, TEAO, foot mounted

1/2 thru 1 1/2 Hp

IP54



### Features:

- Lubed for life double sealed ball bearings
- Lip seal and V-Ring slinger on DE for increased moisture resistance
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA
- MG1 Part 31.4.4.2

### Applications:

- Industrial fans
- General purpose farm
- Industrial pumps

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/2	1800	56H	<b>FDAOL3504A</b>	485	FD1	12.08	32	78.5	115/230	2.4	30
3/4	1800	56H	<b>FDAOL3507A</b>	530	FD1	12.08	35	74	115/230	4.1	30
1	1800	56H	<b>FDAOL3521A</b>	575	FD1	11.80	39	78.5	115/208-230	4.7	
1 1/2	1800	56H	<b>FDAOL3532A</b>	677	FD1	12.68	50	75.5	115/208-230	8	

(a) See notes on inside back flap.

■ Cast iron frame

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

# Grain dryer/centrifugal fan, single and three phase, TEFC and ODP

3 thru 50 Hp

**Open IP22** **Enclosed IP54**



**Features:**

- Shaft length 1” longer than NEMA standard
- Lubed for life double sealed ball bearings
- Lip seal and V-Ring slinger on DE for increased moisture resistance
- Screens on ODP to protect against trash and debris

**Applications:**

- High pressure grain drying
- Farm building fans

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	“C” Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single phase, open drip proof</b>											
5	1800	184TZ	<b>GDL1605T</b>	1,623	FD1	19.06	97	80	230	22.5	2, 20
7 1/2	1800	215TZ	<b>GDL1607T</b>	2,135	FD1	22.57	142	82.5	230	32	1, 20
10	1800	215TZ	<b>GDL1610T</b>	2,470	FD1	22.85	160	84	230	40	2, 20
16	1800	256TZ	<b>GDL1615T</b>	3,675	FD1	24.19	271	86.5	208-230	62	2, 20
<b>Single phase, totally enclosed fan cooled</b>											
5	1800	184TZ	<b>GDL3665T</b>	2,029	FD1	16.41	100	82.5	230	21	2, 20
7 1/2	1800	215TZ	<b>GDL3770T</b>	2,669	FD1	19.45	198	85.5	230	29.6	1
10	1800	215TZ	<b>GDL3774T</b>	3,087	FD1	19.45	210	86.5	230	38	2, 20
16	1800	256TZ	<b>GDL2333T</b>	4,594	FD1	24.28	310	88.5	208-230	60	2, 20
<b>Three phase, open drip proof</b>											
5	1800	184TZ	<b>EGDM3218T</b>	1,073	FD3	17.50	92	89.5	230/460	6.6	1, 30
		184TZ	<b>GDM3218T</b>	898	FD3	16.00	68	87.5	208-230/460	7.2	16
7 1/2	1800	213TZ	<b>EGDM3311T</b>	1,573	FD3	17.32	120	91	230/460	9.7	1, 30
		213TZ	<b>GDM3311T</b>	1,274	FD3	18.00	92	88.5	208-230/460	9.9	16
10	1800	215TZ	<b>EGDM3313T</b>	1,864	FD3	18.45	132	91.7	230/460	12.5	1, 30
		215TZ	<b>GDM3313T</b>	1,544	FD3	17.32	116	89.5	208-230/460	13.4	16
15	1800	254TZ	<b>EGDM2513T</b>	2,580	FD3	22.69	239	93	230/460	17.7	1, 30
		254TZ	<b>GDM2513T</b>	1,900	FD3	21.00	156	91	208-230/460	19	1, 16
20	1800	256TZ	<b>EGDM2515T</b>	2,986	FD3	22.69	245	93	230/460	23.5	1, 30
		256TZ	<b>GDM2515T</b>	2,502	FD3	23.25	187	91.7	230/460	24	16, 30
25	1800	284TZ	<b>EGDM2531T</b>	3,692	FD3	26.06	375	93.6	230/460	30	1, 30
		284TZ	<b>GDM2531T</b>	3,074	FD3	24.44	245	91.7	230/460	31	16, 30
30	1800	286TZ	<b>EGDM2535T</b>	4,130	FD3	26.06	382	94.1	230/460	35	1, 30
		286TZ	<b>GDM2535T</b>	3,575	FD3	25.94	281	92.4	230/460	36	16, 30
<b>Three phase, totally enclosed fan cooled</b>											
3	1800	182TZ	<b>EGDM3661T</b>	1,376	FD3	16.98	105	89.5	230/460	4.1	1, 30
		184TZ	<b>EGDM3615T</b>	1,407	FD3	19.05	95	89.5	230/460	6.7	1, 30
5	1800	184TZ	<b>GDM3615T</b>	1,082	FD3	17.55	80	87.5	208-230/460	6.8	1, 16
		184TZ	<b>EGDM3665T</b>	1,568	FD3	16.98	119	89.5	230/460	6.6	1, 30
7 1/2	1800	213TZ	<b>EGDM3710T</b>	1,732	FD3	20.03	127	91.7	230/460	9.4	1, 30
		213TZ	<b>GDM3710T</b>	1,356	FD3	18.90	117	89.5	208-230/460	10.1	1, 16
		213TZ	<b>EGDM3770T</b>	1,929	FD3	19.45	170	91.7	230/460	9.5	1, 30
		215TZ	<b>EGDM3714T</b>	2,515	FD3	21.53	165	91.7	230/460	12	1, 30
10	1800	215TZ	<b>GDM3714T</b>	2,164	FD3	20.03	131	89.5	208-230/460	13.5	1, 16
		215TZ	<b>EGDM3774T</b>	2,775	FD3	19.45	231	91.7	230/460	12.5	1, 30
15	1800	254TZ	<b>EGDM2333T</b>	3,393	FD3	24.66	255	92.4	230/460	18.1	1, 30
		254TZ	<b>GDM2333T</b>	2,868	FD3	22.07	231	89.5	208-230/460	18.9	1, 16
20	1800	256TZ	<b>EGDM2334T</b>	3,592	FD3	24.66	303	93	230/460	24	1, 30
		256TZ	<b>GDM2334T</b>	3,067	FD3	23.83	245	91	230/460	25	1, 16, 30
25	1800	284TZ	<b>EGDM4103T</b>	4,523	FD3	28.76	422	93.6	230/460	30	30
		284TZ	<b>GDM4103T</b>	4,358	FD3	26.93	345	92.4	230/460	29	1, 16, 30
30	1800	286TZ	<b>EGDM4104T</b>	5,302	FD3	28.76	460	93.6	230/460	38	30
		286TZ	<b>GDM4104T</b>	5,137	FD3	26.93	366	92.4	230/460	36	1, 16, 30
40	1800	324TZ	<b>EGDM4110T</b>	7,030	FD3	31.28	578	94.1	230/460	48	30
		324TZ	<b>GDM4110T</b>	6,855	FD3	31.28	497	93	230/460	47	1, 16, 30
50	1800	326TZ	<b>EGDM4115T</b>	7,271	FD3	31.28	608	94.5	230/460	58	30
		326TZ	<b>GDM4115T</b>	7,096	FD3	31.28	552	91	230/460	60	1, 16, 30

(a) See notes on inside back flap.

■ Cast iron frame

Information  
Single phase  
General purpose  
Severe duty  
Large AC  
Washdown duty  
Explosion proof  
Pump  
HVAC  
Farm duty

## Grain dryer/vane axial fan, single and three phase, TEAO and OPAO

1 1/2 thru 15 Hp

Open  
IP22

Enclosed  
IP54



### Features:

- Shaft length 3/4" longer than NEMA standard
- 1/4-20 tapped and keyed shaft
- Convenient lead location for ease of conduit connectivity
- Normally closed winding thermostats to protect against overheating
- Lubed for life double sealed ball bearings on TEAO motors
- Lip seal and V-Ring slinger on DE for increased moisture resistance on TEAO motors

### Applications:

- Vane axial fan crop dryers

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single phase, totally enclosed air over</b>											
1.5 - 3	3600	145TZ	<b>UCLE153</b>	1,078	FD1	14.25	52	85.5	230	12.5	1, 30
3 - 4.5	3600	145TZ	<b>UCLE3145</b>	1,104	FD1	15.62	61	82.5	230	12.5	2, 20
5 - 7.5	3600	182TZ	<b>UCLE570</b>	1,344	FD1	16.88	93	84	230	20.5	2, 8
7.5 - 10	3600	182TZ	<b>UCLE7510</b>	1,453	FD1	16.88	95	85.5	230	38	2, 20, 30
10 - 15	3600	215Z	<b>UCLE1015</b>	2,252	FD1	18.56	167	89	230	46	2, 20
<b>Single phase, open air over</b>											
3 - 4.5	3600	145TZ	<b>UCL3145</b>	1,043	FD1	15.62	59	77.8	230	14.3	2, 20
		5 - 7.5	<b>UCL345</b>	1,086	FD1	14.88	72	74	230	22	2, 20
7.5 - 10	3600	182TZ	<b>UCL570</b>	1,283	FD1	16.88	91	80	230	35	2, 20
7.5 - 10.5	3600	182TZ	<b>UCL710</b>	1,376	FD1	16.88	89	85	230	31	2, 20
10 - 15	3600	215Z	<b>UCL7510</b>	1,742	FD1	17.44	107	81	230	37	2, 20
10 - 15	3600	215Z	<b>UCL1015</b>	2,232	FD1	17.81	137	84	230	44	2, 20
<b>Three phase, totally enclosed air over</b>											
1.5 - 3	3600	145TZ	<b>UCME153</b>	758	FD3	13.37	39	80	208-230/460	4.1	2, 20
3 - 4.5	3600	143TZ	<b>UCME3145</b>	801	FD3	13.37	46	84.5	208-230/460	6	2, 8
5 - 7.5	3600	184TZ	<b>UCME570</b>	1,006	FD3	15.38	69	84	230/460	9	2, 20, 30
7.5 - 10	3600	184TZ	<b>UCME7510</b>	1,180	FD3	16.88	85	86.5	230/460	11.5	2, 20, 30
7.5 - 9.2	3600	184TZ	<b>UCME759</b>	1,180	FD3	16.88	84	89.5	208-230/460	8.5	2, 20
10 - 14	3600	215Z	<b>UCME1014</b>	1,507	FD3	16.69	124	87.5	208-230/460	16.5	2, 20
<b>Three phase, open air over</b>											
5 - 7.5	3600	184TZ	<b>UCM575</b>	949	FD3	15.38	66	84	230/460	9.5	2, 20
7.5 - 10	3600	184TZ	<b>UCM713</b>	1,135	FD3	16.88	89	84	208-230/460	12	2
10 - 15	3600	215Z	<b>UCM1014</b>	1,459	FD3	16.69	102	85.5	208-230/460	18	2, 20

(a) See notes on inside back flap.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

# Universal crop dryer, single phase, PSC (switchless), OPAO

5 thru 15 Hp

IP22



**Features:**

- Shaft length 3/4" longer than NEMA standard
- 1/4-20 tapped and keyed shaft
- Convenient lead location for ease of conduit connectivity
- Switchless design for increased reliability
- Lubed for life double shielded ball bearings
- Normally closed winding thermostats to protect against overheating

**Applications:**

- Vane axial fan crop dryers

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Open air over</b>											
5 - 7.5	3600	184TZ	<b>UCC5700</b>	1,150	FD1	15.38	74	79	230	19.5	
7.5 - 10	3600	184TZ	<b>UCC7100</b>	1,264	FD1	16.88	78	85.5	230	28	
10 - 15	3600	215Z	<b>UCC10150</b>	2,389	FD1	18.57	127	83	230	41	

(a) See notes on inside back flap.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty



## Auger drive, single phase, TEFC, flange mount, capacitor start

### 1/3 thru 1 1/2 Hp

IP44



#### Features:

- Mechanically protected centrifugal switch from over speeding
- Extended opposite DE shaft for manual jog
- Gasketed manual reset thermal overload protection
- Lubed for life double shielded ball bearings
- NEMA 56N flange for industry standard drive/gear connection

#### Applications:

- Poultry feed auger drive systems

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	48YZ	<b>ANFL3501M</b>	549	FD1	12.44	24	60	115/230	3	12, 30
1/2	1800	48YZ	<b>ANFL3504M</b>	616	FD1	12.44	28	68	115/230	3.7	12, 30
3/4	1800	48YZ	<b>ANFL3507M</b>	718	FD1	13.32	34	74	115/230	4.1	12, 30
1	1800	56YZ	<b>ANFL3510M</b>	886	FD1	13.55	41	67	115/230	6.5	30
1 1/2	1800	56YZ	<b>ANFL3514M</b>	1,315	FD1	14.43	49	75.5	115/230	9	2, 30

(a) See notes on inside back flap.

## Grain stirring, single phase, TEFC, foot mounted

### 1 1/2 Hp

IP44



#### Features:

- Slotted fan cover on DE to prevent clogging
- Gasketed manual reset thermal overload protection
- Lubed for life double shielded ball bearings

#### Applications:

- Inside bin grain stirring systems

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1 1/2	1800	56Z	<b>GSL3509M</b>	776	FD1	12.29	41	80	208-230	6.4	

(a) See notes on inside back flap.

## Instant reversing, single phase, TEFC, foot mounted

1/3 thru 1 Hp

IP44



### Features:

- High starting torque
- Electrically designed for optimal performance in instant reversing applications
- Gasketed manual reset thermal overload protection
- Lubed for life double shielded ball bearings

### Applications:

- Barn cleaners
- Bulk feeders
- Mechanical gates/doors
- Hoists

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	56	<b>IR3501M</b>	515	FD1	11.35	25	60	115/208-230	3	2
1/2	1800	56	<b>IR3504M</b>	592	FD1	11.97	28	68	115/208-230	3.7	2
3/4	1800	56Y	<b>IR3507M</b>	677	FD1	13.25	40	70	115/208-230	4.6	2
1	1800	56	<b>IR3510M</b>	733	FD1	13.25	40	65	230	6.2	1

(a) See notes on inside back flap.

## Aeration fan, single and three phase, TEAO, foot mounted

1/2 thru 3 Hp

IP44



### Features:

- 1/4-20 tapped and keyed shaft
- Terminal panel for ease of connectivity
- Automatic thermal overload protection (single phase)
- Normally closed winding thermostats to protect against overheating (three phase)
- Lubed for life double shielded ball bearings

### Applications:

- Aeration fans for grain storage
- Exhaust fans
- Air handling systems

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single phase</b>											
1/2	1800	56	<b>AFL3504A</b>	380	FD1	11.58	32	78.5	115/230	2.3	2
3/4	3600	56Z	<b>AFL3520A</b>	399	FD1	11.59	29	71	115/230	5.5	2
1	3600	56	<b>AFL3521A</b>	470	FD1	12.68	39	66	115/230	6	2
1	1800	56	<b>AFL3510A</b>	550	FD1	12.68	47	77	115/230	4.8	2
1 1/2	3600	56	<b>AFL3525A</b>	608	FD1	12.68	42	70	115/230	8.3	2, 30
		143TZ	<b>AFL3522A</b>	651	FD1	12.74	43	70	115/230	8.3	2, 30
2	3600	143TZ	<b>AFL3523A</b>	795	FD1	13.61	51	74	115/230	11.5	2
3	3600	145TZ	<b>AFL3524A</b>	829	FD1	13.61	52	78	230	15	2
<b>Three phase</b>											
3/4	3600	56Z	<b>AFM3528</b>	404	FD3	10.97	24	74	230/460	1.3	30
1	3600	56Z	<b>AFM3529</b>	439	FD3	10.97	22	75.5	230/460	1.8	30
1 1/2	3600	143TZ	<b>AFM3530</b>	507	FD3	12.45	30	80	208-230/460	2.3	
3	3600	145T	<b>AFM3532</b>	672	FD3	12.74	45	82.5	208-230/460	3.8	2

(a) See notes on inside back flap.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

**(PSC) – direct drive fan, single phase, TEAO**

1/4 thru 1 Hp

**IP44****Features:**

- Switchless design for increased reliability
- 1" extended through bolts for grille mounting
- Terminal panel for ease of connectivity
- Automatic thermal overload protection
- Lubed for life double shielded ball bearings

**Applications:**

- Confinement houses
- Exhaust fans
- Air handling fans
- Unit heaters

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/4	1800	48Z	<b>CHC3413A</b>	399	FD1	11.35	22	54	115/230	2.4	2, 29
	1800	48Z	<b>CHC3416A</b>	434	FD1	11.97	25	56	115/230	2.8	2, 29
1/3	1200	48Z	<b>CHC3417A</b>	543	FD1	11.97	26	54	115/230	2.8	2, 29
	1800	56	<b>CHC3504A</b>	485	FD1	11.59	25	72	115/230	2.6	30
1/2	1200	56Z	<b>CHC3525A</b>	623	FD1	13.54	40	70	115/230	2.6	2, 74
	900	56Z	<b>CHC3526A</b>	771	FD1	14.42	50	50	115/230	4.6	2, 74
1	1800	56H	<b>CHL3510A</b>	525	FD1	12.42	47	78	115/230	4.8	30

(a) See notes on inside back flap.

**Dairy/vacuum pump, single phase, TEFC, foot mounted**

7 1/2 thru 10 Hp

**IP44****Features:**

- Gasketed manual reset thermal overload protection
- Oversized conduit/capacitor box for ease of connectivity
- Aluminum heat sync fan on DE for increased bearing life

**Applications:**

- Vacuum pumps dairy industry

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
7 1/2	1800	215T	<b>DEL3733TM</b>	3,104	FD1	20.77	162	85	230	28	1
10	1800	215T	<b>DEL3737TM</b>	3,791	FD1	21.27	160	86.5	230	39	8, 89

(a) See notes on inside back flap.

## Metering pump, three phase, TEFC, foot mounted

1/3 Hp

**IP44**



**Features:**

- F3 conduit box location for optimal mounting clearance
- Lubed for life double shielded ball bearings
- 60 & 50 Hz data included for connection at either frequency

**Applications:**

- Metering pump systems

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	Notes (a)
1/3	1800	48	<b>MPM3458</b>	391	FD1	10.72	20	230/460	0.8	2

(a) See notes on inside back flap.

## Incubator/hatchery vent fan, single phase, TEAO

1/3 Hp

**IP44**



**Features:**

- Normally closed winding thermostats to protect against overheating
- 1" extended through bolts for grille mounting
- Terminal panel for ease of connectivity
- Pilot Circuit to facilitate system protection
- Flat slinger on DE for improved moisture protection
- Lubed for life double shielded ball bearings

**Applications:**

- Incubator/hatchery fans
- HVAC condensers
- Grille mount vent fan applications

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	S.F.	Notes (a)
1/3	1800	48Z	<b>HIC264A</b>	360	FD1	10.09	20	115/230	1.9	1.00	
		48Z	<b>HIC274A</b>	360	FD1	10.09	20	115/230	2.2	1.00	

(a) See notes on inside back flap.