

# Farm Duty



# Farm Duty

ABB's Baldor-Reliance farm duty motors are highly durable and reliable in tough agricultural environments. With enhanced protection against dust and moisture, robust construction and long-lasting bearings, they ensure consistent power for applications like irrigation and feed mills, making them ideal for efficient and resilient farming applications.



Farm duty motor, three phase



Farm duty, single phase



Farm duty, Grain dryer, Centrifugal fan, single phase



Farm duty, Grain dryer, Centrifugal fan, three phase



Farm duty, Grain dryer, vane axial fan, single phase



Farm duty, Grain dryer, vane axial fan, three phase



Universal crop dryer



Auger drive



Farm duty, Grain stirring motor



Instant reversing, single phase



Aeration fan, single phase



Aeration fan, three phase



Farm Duty, Direct Drive fan motor



Dairy/vacuum pump, single phase



Metering pump, three phase



Incubator/hatchery vent fan, single phase

Product line – TEFC, ODP, TEAO, OPAO & TENV enclosures		General farm duty	Grain Dryer/ Centrifugal Fan	Grain Dryer/ Vane Axial Fan	Universal Crop Dryer	Aeration Fan	(PSC)-Direct Drive Fan
NEMA frame sizes		56-405T	184TZ-326TZ	145TZ-215TZ	184Z-215Z	56Z-145T	48Z-56Z
Electrical features							
Efficiency	Super-E® motor designs meet or exceed NEMA Premium® requirements	S	S	S	-	S	-
Torque	NEMA Design B torques as a minimum	S	-	S	-	S	-
Service factor	1.0 service factor – continuous	S	S	S	S	S	S
	1.15 service factor	S	S	S	-	-	-
	1.25 service factor	-	-	-	-	S	-
Temp. rise	Class F insulation with Class B rise	S	S	S	S	S	S
Windings	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
	Single dip & bake with 100% solids epoxy	S	S	S	S	S	S
Connections	Grounding terminal inside main conduit box	S	S	S	S	S	S
Document	Documented final motor tests – ship with motor	A	A	A	A	A	A
Mechanical features							
Frame	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, cast iron fan cover	S	S	-	-	-	-
	Screens on ODP to protect against entry of trash, snakes or rodents	-	S	S	S	-	-
Conduit box	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
	Lubrication	Lubrication fittings on T frames	S	-	-	-	S
Lubrication	Grease inlet fitting – DE & ODE on bearings not sealed	-	-	-	S	S	-
	Mobil Polyrex™ EM moisture resistant grease	S	S	S	A	A	S
	Shaft seals	Lip and V-Ring seal on drive end	S	S	S	S	-
Cooling	Non-metallic external cooling fan	S	S	-	-	-	-
Paint	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
Nameplate	Laser etched nameplate with highly legible font	S	S	S	S	S	S

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

## Farm duty motor, three phase

### 1/2 thru 100 Hp

#### 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

- General purpose farm
- Industrial fans
- Industrial pumps

IP54

#### NEMA Premium, Farm Duty, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Full Load Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1/2	1800	56	<b>FDM3538</b>	873	FD3	11.35	24	74.0	208-230/460	1.0	1
3/4	1800	56	<b>FDM3542</b>	934	FD3	11.35	27	75.5	208-230/460	1.5	1
1	1800	56	<b>FDEM3546</b>	1,243	FD3	12.23	38	85.5	230/460	1.6	1, 30
		143T	<b>FDEM3546T</b>	1,260	FD3	12.29	38	85.5	230/460	1.6	1, 30
1 1/2	1800	56	<b>FDEM3554</b>	1,271	FD3	13.23	41	86.5	230/460	2.2	1, 30
		145T	<b>FDEM3554T</b>	1,296	FD3	13.31	41	86.5	230/460	2.2	1, 30
2	1800	56	<b>FDEM3558</b>	1,303	FD3	13.23	45	86.5	230/460	2.8	1, 30
		143T	<b>FDEM3558T</b>	1,342	FD3	13.29	45	86.5	230/460	2.8	1, 30
3	3600	182T	<b>FDEM3610T</b>	1,541	FD3	16.53	64	87.5	230/460	3.5	1, 30
	1800	182T	<b>FDEM3611T</b>	1,487	FD3	16.55	70	89.5	230/460	4.2	1, 30
5	3600	184T	<b>FDEM3613T</b>	1,726	FD3	16.55	74	88.5	230/460	5.9	1, 30
	1800	184T	<b>FDEM3615T</b>	1,624	FD3	18.05	93	89.5	230/460	6.7	1, 30
7 1/2	3600	213T	<b>FDEM3709T</b>	2,577	FD3	17.89	121	89.5	230/460	9.0	1, 30
	1800	213T	<b>FDEM3710T</b>	2,337	FD3	19.02	127	91.7	230/460	9.5	1, 30
10	3600	215T	<b>FDEM3711T</b>	2,612	FD3	17.89	118	90.2	230/460	11.6	1, 30
	1800	215T	<b>FDEM3714T</b>	2,633	FD3	20.52	165	91.7	230/460	12.5	1, 30
15	3600	254T	<b>FDEM2394T</b>	4,426	FD3	23.55	252	91.0	230/460	17.5	1, 30
	1800	254T	<b>FDEM2333T</b>	4,057	FD3	23.55	270	92.4	230/460	18.1	1, 30
20	3600	256T	<b>FDEM4106T</b>	4,853	FD3	23.55	271	91.0	230/460	23.0	1, 30
	1800	256T	<b>FDEM2334T</b>	4,904	FD3	23.55	300	93.0	230/460	24.0	1, 30
25	3600	284TS	<b>FDEM4107T</b>	6,326	FD3	24.77	323	91.7	230/460	29.0	1, 30
	1800	284T	<b>FDEM4103T</b>	6,410	FD3	27.76	415	93.6	230/460	31.0	1, 30
30	3600	286TS	<b>FDEM4108T</b>	7,501	FD3	24.77	327	91.7	230/460	34.0	1, 30
	1800	286T	<b>FDEM4104T</b>	7,588	FD3	27.76	425	93.6	230/460	38.0	1, 30
40	3600	324TS	<b>FDEM4109T</b>	10,334	FD3	28.89	528	92.4	230/460	45.0	1, 30
	1800	324T	<b>FDEM4110T</b>	9,982	FD3	30.28	451	94.1	230/460	48.0	1, 30
50	3600	326TS	<b>FDEM4114T</b>	11,290	FD3	28.78	456	93.0	230/460	56.0	1, 30

Cast iron frame

**NEMA Premium, Farm Duty, three phase, TEFC, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
50	1800	326T	<b>FDEM4115T</b>	10,891	FD3	30.28	610	94.5	230/460	58.0	1, 30
60	1800	364T	<b>FDEM4314T</b>	15,638	FD3	33.48	910	95.0	230/460	70.0	1, 30
75	1800	365T	<b>FDEM4316T</b>	18,232	FD3	33.48	977	95.4	230/460	87.0	1, 30
100	1800	405T	<b>FDEM4400T</b>	22,698	FD3	38.04	1326	95.4	230/460	112.0	1, 30
575 volt											
1	1800	56	<b>FDEM3546-5</b>	1,243	FD3	13.23	37	85.5	575	1.3	
		143T	<b>FDEM3546T-5</b>	1,260	FD3	12.31	37	85.5	575	1.2	
1 1/2	1800	56	<b>FDEM3554-5</b>	1,271	FD3	13.23	41	86.5	575	1.8	
		145T	<b>FDEM3554T-5</b>	1,296	FD3	13.31	41	86.5	575	1.8	
2	1800	56	<b>FDEM3558-5</b>	1,303	FD3	13.23	45	86.5	575	2.2	
		145T	<b>FDEM3558T-5</b>	1,342	FD3	13.31	45	86.5	575	2.3	
3	3600	182T	<b>FDEM3610T-5</b>	1,541	FD3	15.15	50	86.5	575	2.9	
	1800	182T	<b>FDEM3611T-5</b>	1,487	FD3	16.55	73	89.5	575	3.3	
5	3600	184T	<b>FDEM3613T-5</b>	1,726	FD3	16.55	74	88.5	575	4.7	
	1800	184T	<b>FDEM3615T-5</b>	1,624	FD3	18.05	93	89.5	575	5.3	
7 1/2	3600	213T	<b>FDEM3709T-5</b>	2,577	FD3	17.89	121	89.5	575	7.0	
	1800	213T	<b>FDEM3710T-5</b>	2,337	FD3	19.02	129	91.7	575	7.5	
10	3600	215T	<b>FDEM3711T-5</b>	2,612	FD3	17.89	121	90.2	575	9.5	
	1800	215T	<b>FDEM3714T-5</b>	2,633	FD3	20.52	165	92.4	575	10.0	
15	3600	254T	<b>FDEM2394T-5</b>	4,426	FD3	23.55	239	91.0	575	13.7	
	1800	254T	<b>FDEM2333T-5</b>	4,057	FD3	23.55	268	92.4	575	14.6	
20	3600	256T	<b>FDEM4106T-5</b>	4,853	FD3	23.55	229	91.0	575	18.0	
	1800	256T	<b>FDEM2334T-5</b>	4,904	FD3	23.55	322	93.0	575	19.2	
25	3600	284TS	<b>FDEM4107T-5</b>	6,326	FD3	24.77	317	91.7	575	23.0	
	1800	284T	<b>FDEM4103T-5</b>	6,410	FD3	27.76	447	93.6	575	25.0	
30	3600	286TS	<b>FDEM4108T-5</b>	7,501	FD3	24.77	317	91.7	575	28.0	
	1800	286T	<b>FDEM4104T-5</b>	7,588	FD3	27.76	461	93.6	575	31.0	
40	3600	324TS	<b>FDEM4109T-5</b>	10,334	FD3	28.78	553	92.4	575	37.0	
	1800	324T	<b>FDEM4110T-5</b>	9,982	FD3	30.28	605	94.1	575	39.0	
50	3600	326TS	<b>FDEM4114T-5</b>	11,290	FD3	28.78	595	93.0	575	45.0	
	1800	326T	<b>FDEM4115T-5</b>	10,891	FD3	30.28	695	94.5	575	46.0	
60	1800	364T	<b>FDEM4314T-5</b>	15,638	FD3	33.48	965	95.0	575	54.7	
75	1800	365T	<b>FDEM4316T-5</b>	18,232	FD3	33.47	965	95.4	575	68.7	
100	1800	405T	<b>FDEM4400T-5</b>	22,698	FD3	38.19	1326	95.4	575	89.6	

Cast iron frame

TOC INFO SP4 GP SD WD XP PUMP HVAC FARM DP UH BRM VSAC IMD DCPM DCSW GRDS DCSW GBPA LATH BUFF ACPCP ACC DCPA MDEX INDX NOTE

### NEMA Premium, Farm Duty, three phase, TEFC, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1/2	1800	56C	<b>VFDM3538</b>	848	FD3	11.35	24	74.0	230/460	1.0	1, 30
3/4	1800	56C	<b>VFDM3542</b>	917	FD3	11.35	27	75.5	230/460	1.5	1, 30
1	1800	56C	<b>VFDEM3546</b>	1,222	FD3	12.23	37	85.5	230/460	1.6	1, 30
1 1/2	1800	56C	<b>VFDEM3554</b>	1,251	FD3	13.23	41	86.5	230/460	2.3	1

### Farm duty, single phase 1/3 thru 16 Hp

#### 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
- General purpose farm
- Industrial fans
- Industrial pumps

**IP54**

### General Purpose, Farm Duty, single phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/3	1800	56	<b>FDL3501M</b>	746	FD1	11.35	23	60.0	115/230	3.0	13, 30
1/2	1800	56	<b>FDL3504M</b>	871	FD1	11.97	28	68.0	115/230	3.7	12, 30
3/4	1800	56	<b>FDL3507M</b>	1,023	FD1	13.35	37	74.0	115/230	4.4	12
1	1800	56H	<b>FDL3510M</b>	1,158	FD1	12.91	41	67.0	115/230	6.5	30
		143T	<b>FDL3510TM</b>	1,158	FD1	13.29	40	67.0	115/230	6.5	30
1 1/2	1800	56H	<b>FDL3514M</b>	1,303	FD1	13.78	49	80.0	115/208-230	6.2	2
		145T	<b>FDL3514TM</b>	1,306	FD1	14.17	51	80.0	115/208-230	6.2	2

**General Purpose, Farm Duty, single phase, TEFC, C-face foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/2	1800	56C	<b>CFDL3504M</b>	1,144	FD1	11.97	28	68.0	115/230	3.7	12, 30
3/4	1800	56C	<b>CFDL3507M</b>	1,329	FD1	13.35	39	74.0	115/230	4.4	12
1	1800	56CH	<b>CFDL3510M</b>	1,500	FD1	13.23	47	67.0	115/230	6.5	30
1 1/2	1800	56CH	<b>CFDL3514M</b>	1,686	FD1	14.10	51	80.0	115/208-230	6.2	2
230 volt											
2	1800	56CHZ	<b>CFDL3516TM</b>	2,137	FD1	14.10	53	82.5	230	7.9	1

**General Purpose, Farm Duty, single phase, TEFC, C-face footless**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/3	1800	56C	<b>VFDL3501M</b>	963	FD1	11.35	23	60.0	115/230	3.0	13, 30
1/2	1800	56C	<b>VFDL3504M</b>	1,103	FD1	11.97	27	68.0	115/230	3.7	12, 30
3/4	1800	56C	<b>VFDL3507M</b>	1,284	FD1	13.35	44	74.0	115/230	4.4	12
1	1800	56C	<b>VFDL3510M</b>	1,452	FD1	13.23	40	67.0	115/230	6.5	30
1 1/2	1800	56C	<b>VFDL3514M</b>	1,645	FD1	14.10	48	80.0	115/208-230	6.2	2

**General Purpose, Farm Duty, single phase, TEFC, foot mounted, Extra high torque**


Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
2	1800	182T	<b>FDL3611TM</b>	2,078	FD1	15.67	77	75.0	115/230	14.0	2
		184	<b>FDL3611M</b>	2,132	FD1	15.67	76	74.0	115/230	12.4	2
230 volt											
2	1800	56HZ	<b>FDL3516TM</b>	1,843	FD1	14.16	51	82.5	230	7.9	1
3	1800	184	<b>FDL3610M</b>	2,531	FD1	18.04	90	80.0	230	15.5	2, 20
		184T	<b>FDL3610TM</b>	2,470	FD1	18.04	90	80.0	230	15.5	2, 20
5	1800	184T	<b>FDL3612TM</b>	2,592	FD1	18.04	100	80.0	230	23.0	2, 20
		215	<b>FDL3731M</b>	3,185	FD1	18.65	126	84.0	230	20.5	2, 20
7 1/2	1800	213	<b>FDL3732M</b>	3,665	FD1	18.65	147	84.0	230	30.0	2, 20
		213T	<b>FDL3733TM</b>	3,374	FD1	19.02	146	84.0	230	30.0	2, 20
10	1800	215T	<b>FDL3712TM</b>	3,708	FD1	21.37	160	86.5	230	39.0	2, 20, 79
		215T	<b>FDL3737TM</b>	3,947	FD1	21.27	172	86.5	230	39.0	2, 20, 79
15	1800	256T	<b>FDL3912T</b>	5,722	FD1	24.56	292	86.5	208-230	58.0	2, 20
16	1800	256T	<b>FDL1177T</b>	7,565	FD1	23.36	322	87.5	208-230	61.0	2, 20

Cast iron frame



**General Purpose, Farm Duty, single phase, TEFC, C-face footless, Extra high torque**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
2	1800	145TC	<b>VFDFL3516TM</b>	2,137	FD1	14.17	53	82.5	230	7.9	1, 20
		145TC	<b>VFDL3516TM</b>	2,137	FD1	14.16	53	82.5	230	7.9	1, 20
3	1800	184TC	<b>VFDFL3610TM</b>	2,895	FD1	18.05	98	80.0	230	15.5	2, 20
		184TC	<b>VFDL3610TM</b>	2,895	FD1	18.04	98	80.0	230	15.5	2, 20
5	1800	184TC	<b>VFDFL3612TM</b>	3,535	FD1	18.04	101	80.0	230	23.0	2, 20
		184TC	<b>VFDL3612TM</b>	3,535	FD1	18.04	101	80.0	230	23.0	2, 20

**General Purpose, Farm Duty, single phase, TEAO, foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/2	1800	56H	<b>FDAOL3504A</b>	799	FD1	12.08	32	78.5	115/230	2.4	30
3/4	1800	56H	<b>FDAOL3507A</b>	873	FD1	12.08	35	74.0	115/230	4.1	30
1	1800	56H	<b>FDAOL3521A</b>	947	FD1	12.42	39	78.5	115/208-230	4.7	
1 1/2	1800	56H	<b>FDAOL3532A</b>	1,115	FD1	13.30	50	75.5	115/208-230	7.8	

## Farm duty, Grain dryer, Centrifugal fan, single phase 5 thru 16 Hp

### 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

**ODP**  
**IP22**

**TEFC**  
**IP54**

### Grain dryer/centrifugal fan, single phase, ODP, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
5	1800	184TZ	<b>GDL1605T</b>	2,673	FD1	16.87	97	80.0	230	22.5	2, 20
7 1/2	1800	215TZ	<b>GDL1607T</b>	3,516	FD1	22.57	142	82.5	230	32.0	1, 20
10	1800	215TZ	<b>GDL1610T</b>	4,067	FD1	22.85	160	86.5	230	38.0	2, 20
16	1800	256TZ	<b>GDL1615T</b>	6,052	FD1	24.19	301	86.5	208-230	62.0	2, 20

**Grain dryer/centrifugal fan, single phase, TEFC, foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
7 1/2	1800	215TZ	<b>GDL3770T</b>	4,395	FD1	19.45	219	85.5	230	29.6	1
10	1800	215TZ	<b>GDL3774T</b>	5,083	FD1	19.45	210	86.5	230	38.0	2, 20
16	1800	256TZ	<b>GDL2333T</b>	7,565	FD1	24.36	310	87.5	208-230	61.0	2, 20

Cast iron frame

**Farm duty, Grain dryer, Centrifugal fan, three phase  
3 thru 50 Hp**

**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

**ODP  
IP22**

**TEFC  
IP54**

**Grain dryer/centrifugal fan, three phase, ODP, foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
5	1800	184TZ	<b>EGDM3218T</b>	1,767	FD3	17.50	92	89.5	208-230/460	6.6	1, 30
7 1/2	1800	213TZ	<b>EGDM3311T</b>	2,590	FD3	17.32	120	91.0	208-230/460	9.8	1, 30
10	1800	215TZ	<b>EGDM3313T</b>	3,069	FD3	18.45	132	91.7	208-230/460	12.5	1, 30
15	1800	254TZ	<b>EGDM2513T</b>	4,248	FD3	24.19	238	93.0	230/460	18.2	1, 30
20	1800	254TZ	<b>EGDM2515T</b>	4,917	FD3	24.19	250	93.0	230/460	24.0	1, 30
25	1800	284TZ	<b>EGDM2531T</b>	6,079	FD3	26.06	328	93.6	230/460	30.0	1, 30
30	1800	284TZ	<b>EGDM2535T</b>	6,801	FD3	27.06	371	94.1	230/460	36.0	1, 30

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**Grain dryer/centrifugal fan, three phase, TEFC, foot mounted**


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Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Full Load Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
3	1800	182TZ	<b>EGDM3661T</b>	2,266	FD3	16.42	105	89.5	208-230/460	4.1	1, 30
5	1800	184TZ	<b>EGDM3615T</b>	2,317	FD3	19.04	95	89.5	208-230/460	6.7	1, 30
		184TZ	<b>EGDM3665T</b>	2,582	FD3	16.42	119	89.5	208-230/460	6.6	1, 30
7 1/2	1800	213TZ	<b>EGDM3710T</b>	2,852	FD3	20.03	127	91.7	230/460	9.5	1, 30
		213TZ	<b>EGDM3770T</b>	3,176	FD3	19.45	170	91.7	208-230/460	9.5	1, 30
10	1800	215TZ	<b>EGDM3714T</b>	4,141	FD3	21.53	165	91.7	230/460	12.5	1, 30
		215TZ	<b>EGDM3774T</b>	4,570	FD3	19.45	231	92.4	208-230/460	12.5	1, 30
15	1800	254TZ	<b>EGDM2333T</b>	5,587	FD3	24.55	280	92.4	230/460	18.1	1, 30
20	1800	256TZ	<b>EGDM2334T</b>	5,915	FD3	24.55	323	93.0	230/460	24.0	1, 30
25	1800	284TZ	<b>EGDM4103T</b>	7,448	FD3	28.76	422	93.6	230/460	31.0	30
30	1800	286TZ	<b>EGDM4104T</b>	8,731	FD3	28.76	434	93.6	230/460	38.0	30
40	1800	324TZ	<b>EGDM4110T</b>	11,576	FD3	31.28	518	94.1	230/460	48.0	30
50	1800	326TZ	<b>EGDM4115T</b>	11,973	FD3	31.28	608	94.5	230/460	58.0	30

Cast iron frame

## Farm duty, Grain dryer, vane axial fan, single phase 1 1/2 thru 15 Hp

### 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

**ODP**  
**IP22**

**TEFC**  
**IP54**

### Grain dryer/vane axial fan, single phase, TEAO, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
1.5 - 3	3600	143TZ	<b>UCLE153</b>	1,775	FD1	14.25	52	78.0	230	12.5	1, 30
3 - 4.5	3600	143TZ	<b>UCLE3145</b>	1,818	FD1	15.62	61	82.5	230	12.5	2, 20
5 - 7	3600	182TZ	<b>UCLE570</b>	2,213	FD1	16.87	93	84.0	230	20.5	2, 8
7.5 - 10	3600	182TZ	<b>UCLE7510</b>	2,393	FD1	16.87	95	85.5	230	38.0	2, 20, 30
10 - 15	3600	215Z	<b>UCLE1015</b>	3,708	FD1	18.56	167	89.0	230	46.0	2, 20

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**Grain dryer/vane axial fan, single phase, OPAO, foot mounted**


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Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
3 - 4.5	3600	145TZ	<b>UCL3145</b>	1,717	FD1	15.63	60	77.8	230	14.3	2, 20
		182Z	<b>UCL345</b>	1,788	FD1	14.88	72	74.0	230	22.0	2, 20
5 - 7	3600	182TZ	<b>UCL570</b>	2,113	FD1	16.87	91	80.0	230	35.0	2, 20
7.5 - 10	3600	182TZ	<b>UCL710</b>	2,266	FD1	16.87	89	85.0	230	31.0	2, 20
7.5 - 10.5	3600	215Z	<b>UCL7510</b>	2,868	FD1	17.44	107	81.0	230	37.0	2, 20
10 - 15	3600	215Z	<b>UCL1015</b>	3,675	FD1	17.81	137	84.0	230	45.0	2, 20

## Farm duty, Grain dryer, vane axial fan, three phase 1 1/2 thru 15 Hp

### 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

**ODP**  
**IP22**

**TEFC**  
**IP54**

### Grain dryer/vane axial fan, three phase, TEAO, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1.5 - 3	3600	145TYZ	<b>UCME153</b>	1,248	FD3	13.37	39	80.0	208-230/460	4.1	2, 20
3 - 4.5	3600	143TYZ	<b>UCME3145</b>	1,319	FD3	13.37	46	84.5	208-230/460	6.0	2, 8
5 - 7.5	3600	184TZ	<b>UCME570</b>	1,657	FD3	15.37	69	84.0	230/460	9.0	2, 20, 30
7.5 - 9.2	3600	184TZ	<b>UCME759</b>	1,943	FD3	16.87	84	89.5	208-230/460	8.5	2, 20
7.5 - 10	3600	184TZ	<b>UCME7510</b>	1,943	FD3	16.87	85	86.5	230/460	11.5	2, 20, 30
10 - 14	3600	215Z	<b>UCME1014</b>	2,482	FD3	16.69	124	87.5	208-230/460	16.5	2, 20

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**Grain dryer/vane axial fan, three phase, OPAO, foot mounted**


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Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
5 - 7.5	3600	184TZ	<b>UCM575</b>	1,563	FD3	15.37	66	84.0	230/460	9.5	2, 20
7.5 - 10	3600	184TZ	<b>UCM713</b>	1,869	FD3	16.87	89	84.0	208-230/460	12.0	2
10 - 15	3600	215Z	<b>UCM1014</b>	2,402	FD3	16.69	102	85.5	208-230/460	18.0	2, 20

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**Universal crop dryer**  
 5 thru 15 Hp
**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

**IP22**


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**Universal crop dryer, single phase, OPAO, foot mounted, PSC**


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Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
5 - 7.5	3600	184TZ	<b>UCC5700</b>	1,894	FD1	15.38	74	79.0	230	19.5	
7.5 - 10	3600	184TZ	<b>UCC7100</b>	2,081	FD1	16.88	78	85.5	230	28.0	
10 - 15	3600	215Z	<b>UCC10150</b>	3,934	FD1	18.57	127	83.0	230	41.0	



# Auger drive

## 1/3 thru 1 1/2 Hp

### 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

IP44

### Auger drive, single phase, TEFC, flange mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/3	1800	48YZ	<b>ANFL3501M</b>	904	FD1	12.44	24	60.0	115/230	3.0	12, 30
1/2	1800	48YZ	<b>ANFL3504M</b>	1,014	FD1	12.44	28	68.0	115/230	3.7	12, 30
3/4	1800	48YZ	<b>ANFL3507M</b>	1,182	FD1	13.32	34	74.0	115/230	4.1	12, 30
1	1800	56YZ	<b>ANFL3510M</b>	1,459	FD1	13.55	41	67.0	115/230	6.5	30
1 1/2	1800	56YZ	<b>ANFL3514M</b>	2,165	FD1	14.43	49	75.5	115/230	9.0	2, 30

TOC  
INFO  
SP4  
GP  
SD  
WD  
XP  
PUMP  
HVAC  
FARM  
DP  
UH  
BRM  
VSAC  
IMD  
DCPM  
DCSW  
GRDS  
BUFF  
LATH  
GBPA  
ACPA  
DCPA  
ACC  
MDEX  
INDX  
NOTE

## Farm duty, Grain stirring motor

### 1 1/2 Hp

**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

**IP44**

**Grain Stirring, single phase, TEFC, foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
1 1/2	1800	56Z	<b>GSL3509M</b>	1,278	FD1	12.29	41	80.0	208-230	6.4	

TOC  
INFO  
SP4  
GP  
SD  
WD  
XP  
PUMP  
HVAC  
FARM  
DP  
UH  
BRM  
VSAC  
IMD  
DCPM  
DCSW  
GRDS  
BUFF  
LATH  
GBPA  
ACPA  
DCPA  
ACC  
MDEX  
INDX  
NOTE

## Instant reversing, single phase 1/3 thru 1 Hp

### 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

IP44

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



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/3	1800	56	IR3501M	848	FD1	11.35	25	60.0	115/208-230	3.0	2
1/2	1800	56	IR3504M	975	FD1	11.97	28	68.0	115/208-230	3.6	2
3/4	1800	56	IR3507M	1,115	FD1	13.23	40	70.0	115/208-230	4.6	2
230 volt											
1	1800	56	IR3510M	1,207	FD1	13.23	40	65.0	230	6.2	1

## Aeration fan, single phase

### 1/2 thru 3 Hp

#### Features

- 1/4-20 tapped and keyed shaft
- Terminal panel for ease of connectivity
- Automatic thermal overload protection
- Lubed for life double shielded ball bearings

#### Applications

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

**IP44**

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



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt and 230 volt											
1/2	1800	56	<b>AFL3504A</b>	626	FD1	11.58	32	78.5	115/230	2.3	2
3/4	3600	56Z	<b>AFL3520A</b>	657	FD1	11.59	29	71.0	115/230	5.5	2
1	3600	56	<b>AFL3521A</b>	774	FD1	12.68	39	66.0	115/230	6.0	2
	1800	56	<b>AFL3510A</b>	906	FD1	12.68	47	77.0	115/230	4.8	2
1 1/2	3600	56	<b>AFL3525A</b>	1,001	FD1	12.68	42	70.0	115/230	8.3	2, 30
		143TZ	<b>AFL3522A</b>	1,072	FD1	12.74	43	70.0	115/230	8.3	2, 30
2	3600	143TZ	<b>AFL3523A</b>	1,309	FD1	13.61	51	74.0	115/230	11.5	2
3	3600	145TZ	<b>AFL3524A</b>	1,365	FD1	13.61	52	78.0	230	15.0	2

## Aeration fan, three phase 3/4 thru 3 Hp

### Features

- 1/4-20 tapped and keyed shaft
- Terminal panel for ease of connectivity
- Normally closed winding thermostats to protect against overheating
- Lubed for life double shielded ball bearings

### Applications

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

IP44

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



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
3/4	3600	56Z	<b>AFM3528</b>	665	FD3	10.97	24	74.0	230/460	1.3	30
1	3600	56Z	<b>AFM3529</b>	723	FD3	10.97	22	75.5	230/460	1.8	30
1 1/2	3600	143TZ	<b>AFM3530</b>	835	FD3	12.45	30	80.0	208-230/460	2.3	
3	3600	145T	<b>AFM3532</b>	1,107	FD3	12.74	45	82.5	208-230/460	3.8	2

## Farm Duty, Direct Drive fan motor

### 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

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

#### Direct Drive Fan FD, single phase, TEAO, Resilient Base, PSC



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/4	1800	48Z	CHC3413A	657	FD1	11.35	22	54.0	115/230	2.4	2, 29
1/3	1800	48Z	CHC3416A	715	FD1	11.97	25	56.0	115/230	2.8	2, 29
	1200	48Z	CHC3417A	894	FD1	11.97	26	54.0	115/230	2.8	2, 29
1/2	1200	56Z	CHC3525A	1,026	FD1	13.53	40	70.0	115/230	2.6	2, 74
	900	56Z	CHC3526A	1,270	FD1	14.40	50	50.0	115/230	4.6	2, 74
1	1800	56H	CHL3510A	865	FD1	12.42	47	78.0	115/230	4.8	30

## Dairy/vacuum pump, single phase

### 7 1/2 thru 10 Hp

#### 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

IP44

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



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230 volt											
7 1/2	1800	215T	<b>DEL3733TM</b>	5,111	FD1	20.77	162	85.0	230	28.0	1
10	1800	215T	<b>DEL3737TM</b>	6,243	FD1	21.27	160	85.5	230	39.0	8, 79

## Metering pump, three phase

### 1/3 Hp

#### 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

IP44

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



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1/3	1800	48	<b>MPM3458</b>	644	FD3	10.72	20	0.0	230/460	0.8	2



## Incubator/hatchery vent fan, single phase 1/3 Hp

### 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

IP44

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

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Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
115/230 volt											
1/3	1800	48Z	<b>HIC264A</b>	593	FD1	10.09	20	64.0	115/230	1.9	
		48Z	<b>HIC274A</b>	593	FD1	10.09	20	66.0	115/230	2.2	