

# Premium Efficient Three Phase Baldor Farm Duty Motors 1 thru 100 Horsepower NEMA 56 thru 405T

Baldor's line of premium efficient farm duty motors are built to perform in the demanding environments of agricultural applications. Designed with features for rugged conditions, Baldor Farm Duty motors provide the needed reliability to keep farm operations up and running.

## 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
- 4 Pole ratings in 1 thru 100 hp
- 2 Pole ratings in 3 thru 50 hp
- 1.15 service factor with Class B temperature rise at rated horsepower (sine wave)
- Low loss electrical grade steel
- Tan epoxy paint protects the motor from harsh environments
- 3 year limited warranty
- Meets efficiency requirements for Integral Horsepower Motor rule



**NEMA  
Premium<sup>®</sup>**

**BALDOR<sup>®</sup>**

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**Premium Efficient  
Three Phase, Totally Enclosed  
Baldor Farm Duty Motors**

**1 thru 100 Hp  
NEMA 56 thru 405T**



Hp	RPM	Frame	Enclosure	Cat. No.	List Price	Mult	C Dim.	Weight	Efficiency	Voltage	FLA
1	1800	56	TEFC	FDEM3546	719	K	12.23	38	85.5	230/460	1.5
	1800	143T	TEFC	FDEM3546T	728	L1	12.31	38	85.5	230/460	1.5
1 1/2	1800	56	TEFC	FDEM3554	735	K	13.23	41	86.5	230/460	2.2
	1800	145T	TEFC	FDEM3554T	749	L1	13.31	41	86.5	230/460	2.2
2	1800	56	TEFC	FDEM3558	753	K	13.23	45	86.5	230/460	2.9
	1800	145T	TEFC	FDEM3558T	776	L1	13.31	45	86.5	230/460	2.9
3	3600	182T	TEFC	FDEM3610T	891	L1	16.52	64	87.5	230/460	3.5
	1800	182T	TEFC	FDEM3611T	860	L1	16.55	70	89.5	230/460	4.2
5	3600	184T	TEFC	FDEM3613T	998	L1	16.55	74	88.5	230/460	5.9
	1800	184T	TEFC	FDEM3615T	939	L1	18.05	93	89.5	230/460	6.7
7 1/2	3600	213T	TEFC	FDEM3709T	1,490	L1	17.89	121	89.5	230/460	9
	1800	213T	TEFC	FDEM3710T	1,351	L1	19.02	127	91.7	230/460	9.4
10	3600	215T	TEFC	FDEM3711T	1,510	L1	17.89	118	90.2	230/460	11.8
	1800	215T	TEFC	FDEM3714T	1,522	L1	20.52	165	91.7	230/460	12
15	3600	254T	TEFC	FDEM2394T	2,560	L1	23.66	253	91	230/460	17.5
	1800	254T	TEFC	FDEM2333T	2,346	L1	23.66	270	92.4	230/460	18.5
20	3600	256T	TEFC	FDEM4106T	2,806	L1	23.66	265	91	230/460	23
	1800	256T	TEFC	FDEM2334T	2,836	L1	23.66	300	93	230/460	24
25	3600	284TS	TEFC	FDEM4107T	3,659	L1	24.71	283	91.7	230/460	29
	1800	284T	TEFC	FDEM4103T	3,707	L1	27.76	380	93.6	230/460	30
30	3600	286TS	TEFC	FDEM4108T	4,338	L1	24.71	299	91.7	230/460	34
	1800	286T	TEFC	FDEM4104T	4,388	L1	27.76	425	93.6	230/460	38
40	3600	324TS	TEFC	FDEM4109T	5,977	L1	28.78	528	92.4	230/460	46
	1800	324T	TEFC	FDEM4110T	5,773	L1	30.28	567	94.1	230/460	48
50	3600	326TS	TEFC	FDEM4114T	6,529	L1	28.78	575	93	230/460	56
	1800	326T	TEFC	FDEM4115T	6,299	L1	30.28	610	94.5	230/460	58
60	1800	364T	TEFC	FDEM4314T	9,044	L1	33.48	885	95	230/460	67.8
75	1800	365T	TEFC	FDEM4316T	10,554	L1	33.48	930	95.4	230/460	84.9
100	1800	405T	TEFC	FDEM4400T	13,127	L1	38.31	1225	95.4	230/460	112

Shaded areas indicate cast iron construction

**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

**BALDOR**

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