

Technical Documentation

# **FD0034**

## **Farm Duty | BECSFD**

Date: April 16, 2021

### Technical Data Sheet

Motor Type: BECSFD

Catalogue No: FD0034

#### Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
3	4	1760	182T	230	60	1
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous		-40 to 40 °C	<1000 m

#### Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
74.00				63.00		
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
8.90	400		340		21.0	156.00
NEMA KVA Code	Inertia (WR <sup>2</sup> )			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft <sup>2</sup> )	NEMA Load (lb-ft <sup>2</sup> )	Max. Allowable (lb-ft <sup>2</sup> )	Cold	Hot	

#### VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
			0		

#### Hazardous Locations Information

Temp Code (Sinewave / VFD)	/
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#### Additional Certifications

Other Certification
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#### Additional Information

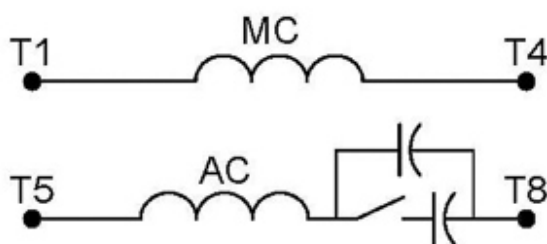
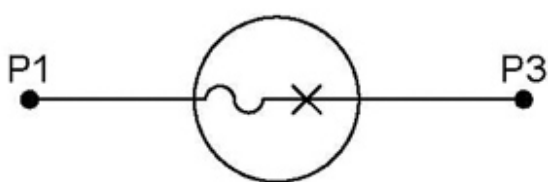
Bearings		Approx. Weight
DE	NDE	lbs
6306ZZ	6306ZZ	92

**Nameplate Drawing**

# Farm Duty

TYPE	BECSFD	CAT. NO.	FD0034		
OUTPUT	3 HP 2.24 kW	FRAME	182T	TEFC	
R.P.M.	1760	POLE	4	INS.	F
VOLTS	230	PHASE	1	Hz	60
AMPS	21.0	CODE		S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 74.00		MIN. EFF.	
BEARINGS	6306ZZ / 6306ZZ			RATING Cont.	
SER. NO.	TBD	DESIGN		WT. 92 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	

**Connection Diagram**



6 LEAD SINGLE VOLTAGE CAP START/CAP RUN			
ROTATION	L1	L2	JOIN
CCW	P1	4&5	1&P3&8
CW	P1	4&8	1&P3&5

WD\_6CSCR