

Technical Documentation

FD0024

Farm Duty | BECSFD

Date: November 29, 2016

Technical Data Sheet

Motor Type: BECSFD

Catalogue No: FD0024

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
2	4	1750	182T	115 / 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	<3300 ft

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
73.0				63.5		
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
6.00	340		330		28.0 / 14.0	178.00 / 89.00
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	

VFD Duty Information

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

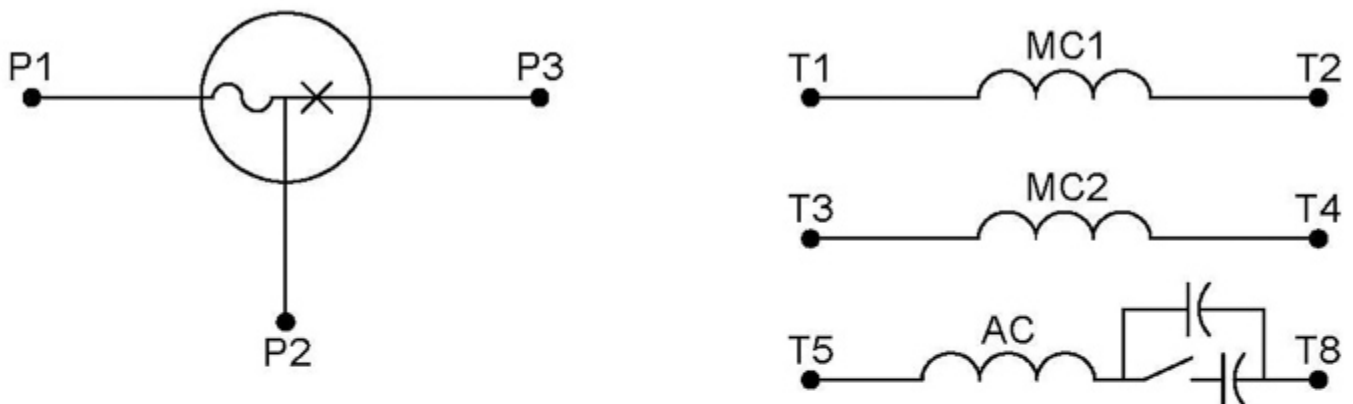
Additional Information

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

Hazardous Locations Information

Temp Code (Sinewave / VFD) /

Connection Diagram



9 LEAD DUAL VOLTAGE		CAP START/ CAP RUN		
VOLTAGE	ROTATION	L1	L2	JOIN
HIGH	CCW	P1	4	2&3&5, P2&8
	CW	P1	4	2&3&8, P2&5
LOW	CCW	P1	2,4,5	P2,3,8
	CW	P1	2,4,8	P2,3,5

WD_9CSCR