



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**



**FARM7.5-18-215TZ**

HORSEPOWER	7.5		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 V / 1		
FRAME	215TZ		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1734 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS	31.2 A		
LOCKED ROTOR AMPS (STARTING)	245 A		
NO LOAD CURRENT	6.8 A		
NEMA CODE LETTER	J		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	85.9%	0.94
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	22.78 lb.ft.	340%	245%
SLIP	3.80%		
NEMA DESIGN	L		
MOMENT OF INERTIA	1.90 lb.ft. <sup>2</sup>		
MAX. TIME LOCKED ROTOR (Hot)	20 Seconds		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6307ZZ		
ODE BEARING	6306ZZ		
REGREASING INT. - DE BEARING	---		
REGREASING INT. - ODE BEARING	---		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
CONNECTION DIAGRAM	230 V - 6 Lead		
APPROXIMATE WEIGHT	159 lbs.		
OPTIONS / ACCESSORIES	Capacitor (Start)	(300+450µF/300V)	
	Capacitor (Run)	(50µF/450V)	
	Centrifugal Switch		
	Endbell (DE)		
	Endbell (ODE)		
	Fan		
	Fan Cover		
	Junction Box		
	Overload		
	Slide Base	W215T	





# WORLDWIDE ELECTRIC MOTOR DRAWING

## FARM7.5-18-215TZ

