



# DATASHEET

## TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		180MC
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1470
CURRENT		
FULL LOAD	(Amps)	32.5
LOCKED ROTOR	%	754
TORQUE		
FULL LOAD TORQUE	(Nm)	120.9
STARTING TORQUE	%	240
MINIMUM TORQUE	%	180
BREAKDOWN TORQUE	%	270
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.1865
EFFICIENCY		
100% LOAD	%	94
75% LOAD	%	94
50% LOAD	%	93.5
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	81
50% LOAD	%	72.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	193
BEARINGS		
DRIVE END		6311 ZZ C3
NON DRIVE END		6310 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	63
DESIGN STANDARD		AS1359, BS4999, IEC60079-0:2004, IEC60079-1:2007, IEC60079-7:2006
CERTIFICATION		Ex de, Zone 1, IIC, T4 (T3 on VSD) 50°Camb
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C