



# DATASHEET

## TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		2.2
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	955
CURRENT		
FULL LOAD	(Amps)	5.23
LOCKED ROTOR	%	573
TORQUE		
FULL LOAD TORQUE	(Nm)	22.3
STARTING TORQUE	%	175
MINIMUM TORQUE	%	170
BREAKDOWN TORQUE	%	235
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.0178
EFFICIENCY		
100% LOAD	%	85
75% LOAD	%	85.5
50% LOAD	%	85
POWER FACTOR		
100% LOAD	%	70
75% LOAD	%	62.5
50% LOAD	%	50
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	56
BEARINGS		
DRIVE END		6306 ZZ C3
NON DRIVE END		6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	51
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