



# DATASHEET

## TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		11
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		160M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1460
CURRENT		
FULL LOAD	(Amps)	19.3
LOCKED ROTOR	%	725
TORQUE		
FULL LOAD TORQUE	(Nm)	73.1
STARTING TORQUE	%	230
MINIMUM TORQUE	%	180
BREAKDOWN TORQUE	%	270
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.0918
EFFICIENCY		
100% LOAD	%	92.9
75% LOAD	%	92.5
50% LOAD	%	92
POWER FACTOR		
100% LOAD	%	87
75% LOAD	%	83.5
50% LOAD	%	75
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	160
BEARINGS		
DRIVE END		6309 ZZ C3
NON DRIVE END		6307 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	56
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