



# DATASHEET

## TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		1.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		100L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	935
CURRENT		
FULL LOAD	(Amps)	3.59
LOCKED ROTOR	%	935
TORQUE		
FULL LOAD TORQUE	(Nm)	15.2
STARTING TORQUE	%	220
MINIMUM TORQUE	%	190
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.0113
EFFICIENCY		
100% LOAD	%	81.5
75% LOAD	%	81.5
50% LOAD	%	80
POWER FACTOR		
100% LOAD	%	71
75% LOAD	%	63
50% LOAD	%	49.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	45
BEARINGS		
DRIVE END		6206 ZZ C3
NON DRIVE END		6305 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	45
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