



DATASHEET

TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		0.75
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		90S
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	940
CURRENT		
FULL LOAD	(Amps)	1.97
LOCKED ROTOR	%	609
TORQUE		
FULL LOAD TORQUE	(Nm)	7.6
STARTING TORQUE	%	200
MINIMUM TORQUE	%	200
BREAKDOWN TORQUE	%	250
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0048
EFFICIENCY		
100% LOAD	%	78
75% LOAD	%	78
50% LOAD	%	75
POWER FACTOR		
100% LOAD	%	67.5
75% LOAD	%	58
50% LOAD	%	46
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	33
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	46
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