



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		2
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2860
CURRENT		
FULL LOAD	(Amps)	1.49
LOCKED ROTOR	%	805
TORQUE		
FULL LOAD TORQUE	(Nm)	2.53
STARTING TORQUE	%	340
MINIMUM TORQUE	%	340
BREAKDOWN TORQUE	%	380
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0015
EFFICIENCY		
100% LOAD	%	82
75% LOAD	%	82
50% LOAD	%	79
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	78.5
50% LOAD	%	65.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	23
BEARINGS		
DRIVE END		6204 ZZ C3
NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	57
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