



DATASHEET

TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		15
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		180LC
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	970
CURRENT		
FULL LOAD	(Amps)	27
LOCKED ROTOR	%	611
TORQUE		
FULL LOAD TORQUE	(Nm)	109.5
STARTING TORQUE	%	280
MINIMUM TORQUE	%	230
BREAKDOWN TORQUE	%	280
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.1575
EFFICIENCY		
100% LOAD	%	91.5
75% LOAD	%	92
50% LOAD	%	92
POWER FACTOR		
100% LOAD	%	84
75% LOAD	%	79.5
50% LOAD	%	71.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	208
BEARINGS		
DRIVE END		6311 ZZ C3
NON DRIVE END		6310 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	58
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