



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		180MC
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1480
CURRENT		
FULL LOAD	(Amps)	33
LOCKED ROTOR	%	742
TORQUE		
FULL LOAD TORQUE	(Nm)	119
STARTING TORQUE	%	220
MINIMUM TORQUE	%	154
BREAKDOWN TORQUE	%	275
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.177
EFFICIENCY		
100% LOAD	%	94
75% LOAD	%	94
50% LOAD	%	93
POWER FACTOR		
100% LOAD	%	83
75% LOAD	%	76
50% LOAD	%	64.5
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	190
BEARINGS		
DRIVE END		6311 ZZ C3
NON DRIVE END		6310 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	63
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C