



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		45
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		225MC
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1480
CURRENT		
FULL LOAD	(Amps)	76.7
LOCKED ROTOR	%	665
TORQUE		
FULL LOAD TORQUE	(Nm)	290.37
STARTING TORQUE	%	220
MINIMUM TORQUE	%	187
BREAKDOWN TORQUE	%	302.5
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.49475
EFFICIENCY		
100% LOAD	%	95.4
75% LOAD	%	95
50% LOAD	%	95
POWER FACTOR		
100% LOAD	%	85.5
75% LOAD	%	82
50% LOAD	%	74
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	388
BEARINGS		
DRIVE END		6313 C3
NON DRIVE END		6213 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	69
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C