



DATASHEET

MAXALLOY THREE PHASE ALLOY FRAME TEFC

MOTOR SERIES	MAXALLOY THREE PHASE ALLOY FRAME TEFC	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		160L
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2940
CURRENT		
FULL LOAD	(Amps)	31.8
LOCKED ROTOR	%	9
TORQUE		
FULL LOAD TORQUE	(Nm)	60.09
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	
EFFICIENCY		
100% LOAD	%	90.8
75% LOAD	%	
50% LOAD	%	
POWER FACTOR		
100% LOAD	%	89
75% LOAD	%	
50% LOAD	%	
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	
BEARINGS		
DRIVE END		6309 ZZ
NON DRIVE END		6307 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C