



DATASHEET

AEBH HOLLOW SHAFT

MOTOR SERIES	AEBH HOLLOW SHAFT	
START METHOD		DIRECT ONLINE
KW RATING		45
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		225M
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2955
CURRENT		
FULL LOAD	(Amps)	72
LOCKED ROTOR	%	667
TORQUE		
FULL LOAD TORQUE	(Nm)	144.5
STARTING TORQUE	%	140
MINIMUM TORQUE	%	130
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.311
EFFICIENCY		
100% LOAD	%	94
75% LOAD	%	94
50% LOAD	%	92.5
POWER FACTOR		
100% LOAD	%	92
75% LOAD	%	91
50% LOAD	%	88
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	440
BEARINGS		
DRIVE END		6313 C3
NON DRIVE END		7220 B
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C