



DATASHEET

MONARCH 1-phase Alloy Frame

MOTOR SERIES	MONARCH 1-phase Alloy Frame	
START METHOD		DIRECT ONLINE
KW RATING		3
VOLTAGE	(V)	240
PHASES		1
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		D100L
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2800
CURRENT		
FULL LOAD	(Amps)	16.7
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	
STARTING TORQUE	%	250
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	180
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	
EFFICIENCY		
100% LOAD	%	79
75% LOAD	%	
50% LOAD	%	
POWER FACTOR		
100% LOAD	%	95
75% LOAD	%	
50% LOAD	%	
INSULATION CLASS		
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	20.5
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6305 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		AS 1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C