



# DATASHEET

## MONARCH 1-phase Alloy Frame

MOTOR SERIES	MONARCH 1-phase Alloy Frame	
START METHOD		DIRECT ONLINE
KW RATING		1.5
VOLTAGE	(V)	240
PHASES		1
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		D90L
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1400
CURRENT		
FULL LOAD	(Amps)	8.8
LOCKED ROTOR	%	580
TORQUE		
FULL LOAD TORQUE	(Nm)	
STARTING TORQUE	%	250
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	180
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	
EFFICIENCY		
100% LOAD	%	75
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	16
BEARINGS		
DRIVE END		6205 ZZ
NON DRIVE END		6205 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		AS 1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C