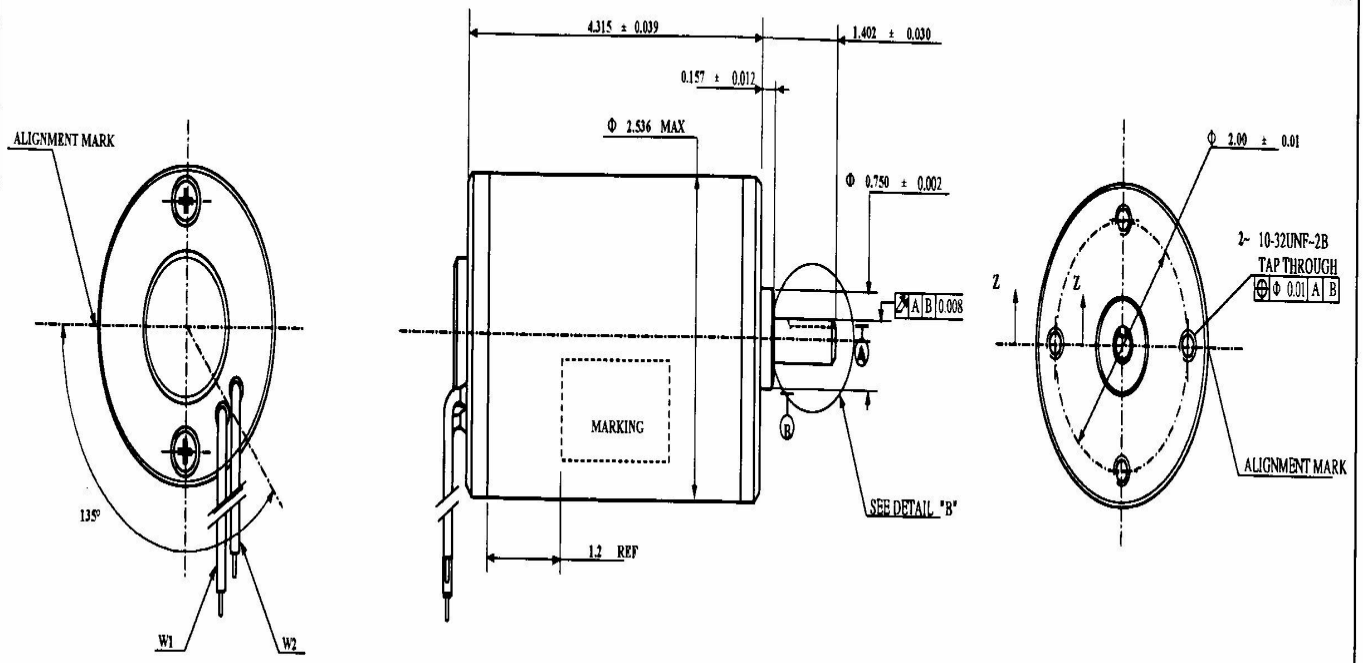
MODEL NO.	FR801-001	CUSTOMER P/N		ISSUED BY	CIM	ISSUED TO	FIRST ROBOTICS	DATE	10/01/02

50%



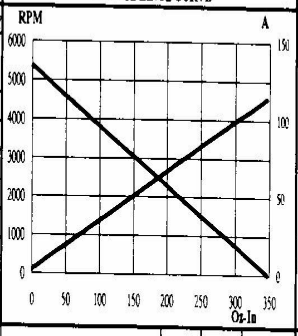
Z-Z

TYPICAL PERFORMANCE @ 12 Vdc

	TORQUE Oz-In	SPEED RPM (±10%)	CURREN A MAX	POWE Wo	EFF'CY %
FREE LOAD	0	5342	2.4	0	0%
NORMAL LOAD	64.0	4356	23	206	75%
@MAX EFFICIENCY	45.0	4649	16.9	155	76%
@MAX POWER	173.4	2671	58.2	343	49%
@STALL	346.9	0	114.0	0	0%

HIPOT: 600 Vac/0.5 mA/1 sec
INSULATION RESISTANC 10 MΩ
INSULATION CLASS: B

PERFORMANCE CURVE



GENERAL FEATURES

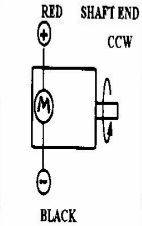
(1 LEAD WIRE: AWG#14 UL#1015,105°

	LENGTH	STRIP LENGT	COLOR
W1	18.0 ± 0.5	0.5 ± 0.04	RED
W2	18.0 ± 0.5	0.5 ± 0.04	BLACK

(2 FINISHING: BLACK PAINT ON HOUSING.
(3 END-PLA 0.005 ~ 0.02
(4 CONSTRUCTION: TENV.
(5 PINION HARDNESS 45 -55 HRC.

SPECIAL FEATURES

WIRING & ROTATION



ROTATION: REVERSIBLE

MARKING

CIM
FIRST ROBOTICS
FR801-001
12Vdc
MMDDYY

NO.	REVISIONS	DRAWN	HECKE	DATE
1.	Omitted the slot that runs around the perimeter of the bearing boss.		D. HUI	09/23/02

NO.	REVISIONS	DRAWN	HECKE	DATE

CUSTOMER APPROVAL

FIRST ROBOTICS
APPROVAL :
DATE :

UNSPECIFIED TOLERANCE

DECIMAL		ANGLE
2 PLACE	3 PLACE	
± 0.008	± 0.005	±1°

DESIGNED	HJQ	10/01/02
DRAWN	HJQ	10/01/02
CHECKED		
APPROVAL		

UNIT | INCH | REV. | P-B

TITLE	MOTOR SPECIFICATIONS
MODEL NO.	FR801-001
DRAWING NO.	CAD- FR1-01A
CUSTOMER P/N	
SERIES	2510BA08ZZa

CCL Industrial Motor Limited (CIM)
旋和工業電機有限公司