

DETAIL A

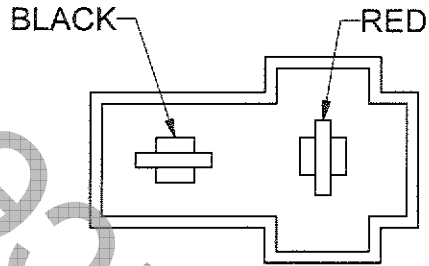
DIMENSIONS ARE IN: MILLIMETERS	Project	N/A	Designer	DB DS	Check	ES	Approved	RL	MATERIAL SPEC	N/A	FINISH SPEC	N/A			
			4/17/2003		4/17/2003		4/17/2003								
	OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES	TOLERANCES IN	INCHES	MM											
	1 PLACE DEC.=	N/A	± 0.25												
	2 PLACE DEC.=	± .01	± 0.13												
	3 PLACE DEC.=	± .005	± 0.08												
	4 PLACE DEC.=	± .0025	N/A												
	ANGULAR DIM=	± 1'	± 1'												
	DO NOT SCALE DRAWING WORK TO GIVEN DIMENSIONS BREAK SHARP EDGES & REMOVE ALL BURRS EXCEPT AS NOTED														
AM EQUIPMENT www.amequipment.com THIS DRAWING IS THE SOLE PROPERTY OF AM EQUIPMENT AND CANNOT BE REPRODUCED IN ANY WAY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AM EQUIPMENT									Title/Name Motor, Industrial, 18Nm, 24V, 10mm Shaft Dia, 31.5mm Shaft Length, LH Housing, PM Gear						
									Part Number		218-1002	Revision	1	Sheet	1 OF 2
												1/14/2008			

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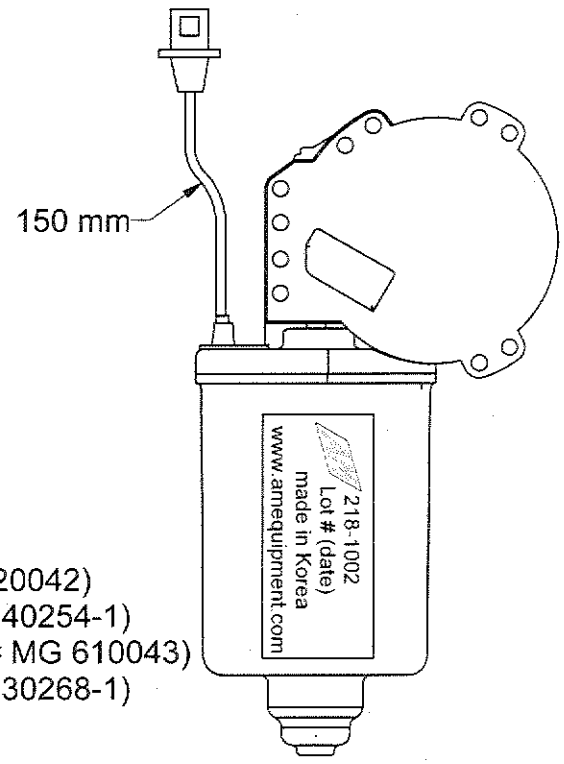


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CLOCKWISE MOTOR SHAFT ROTATION		
DATA POINT	DATA TYPE	VALUE RANGE
NO LOAD	CURRENT (A)	0.9 - 0.7
	SPEED (rpm)	116.2 - 95.1
STALL LOAD	TORQUE (Nm)	21.3 - 17.5
	CURRENT (A)	13.0 - 14.7
PEAK POWER	POWER (W)	60.0 - 49.1
	TORQUE (Nm)	11.1 - 9.1
NOMINAL (PEAK EFFICIENCY)	POWER (W)	36.5 NOMINAL
	SPEED (rpm)	82.1 NOMINAL
	CURRENT (A)	3.5 NOMINAL
	TORQUE (Nm)	4.3 NOMINAL
COUNTER-CLOCKWISE MOTOR SHAFT ROTATION		
DATA POINT	DATA TYPE	VALUE RANGE
NO LOAD	CURRENT (A)	0.8 - 0.7
	SPEED (rpm)	113.5 - 92.9
STALL LOAD	TORQUE (Nm)	20.6 - 16.9
	CURRENT (A)	17.9 - 14.6
PEAK POWER	POWER (W)	55.5 - 45.4
	TORQUE (Nm)	10.5 - 8.6
NOMINAL (PEAK EFFICIENCY)	POWER (W)	34.3 NOMINAL
	SPEED (rpm)	79.6 NOMINAL
	CURRENT (A)	3.7 NOMINAL
	TORQUE (Nm)	4.2 NOMINAL



HOUSING 317-1057 (KET# MG 620042)
 TERMINAL 317-1054 (KET# ST 740254-1)
 MATE HOUSING 317-1056 (KET# MG 610043)
 TERMINAL 317-1055 (KET# ST 730268-1)
 BLACK (+), RED (-) = CW
 RED (+), BLACK (-) = CCW



NOTES:

- TORQUE BULL GEAR NUT TO 20Nm +2 - 0 WITH WICKING GRADE THREAD LOCKER
- ARMATURE SHAFT SURFACE FINISH Rz = 1.60um MAX
- GREASE 15cc GS CALTEX (GS LIPLEX 2) PER MOTOR TO GEAR HOUSING

DIMENSIONS ARE IN: MILLIMETERS

Project N/A	Designer DB/33 4/17/2003	Check ES/33 4/17/2003	Approved RL/33 4/17/2003	MATERIAL SPEC N/A	FINISH SPEC N/A
OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES	TOLERANCES IN	INCHES	MM	AM EQUIPMENT www.amequipment.com THIS DRAWING IS THE SOLE PROPERTY OF AM EQUIPMENT AND CANNOT BE REPRODUCED IN ANY WAY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AM EQUIPMENT	
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	2 PLACE DEC.=	± .01	± 0.13	Title/Name Motor, Industrial, 18Nm, 24V, 10mm Shaft Dia, 31.5mm Shaft Length, LH Housing, PM Gear	
	3 PLACE DEC.=	± .005	± 0.08		
	4 PLACE DEC.=	± .0025	N/A	Part Number	218-1002
	ANGULAR DIM=	± 1'	± 1'	Revision	1
	DO NOT SCALE DRAWING WORK TO GIVEN DIMENSIONS BREAK SHARP EDGES & REMOVE ALL BURRS EXCEPT AS NOTED			Sheet	2 OF 2
				Date	1/14/2008

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