

DIMENSIONS ARE IN MILLIMETERS	Project	N/A	Designer	DB/3	Check	ES/3	Approved	RL/3	MATERIAL SPEC	N/A	FINISH SPEC	N/A	
				4/17/2003		4/17/2003		4/17/2003					
	<b>OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES</b>	TOLERANCES IN	INCHES	MM					<b>AM EQUIPMENT</b> 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				
		1 PLACE DEC.=	N/A	± 0.25									Title/Name Motor, Industrial, 18Nm, 12V, 10mm Shaft Dia, 31.5mm Shaft Length, LH Housing, PM Gear
	2 PLACE DEC.=	± .01	± 0.13					Part Number	218-1001	Revision	1	Sheet	1 OF 2
	3 PLACE DEC.=	± .005	± 0.08							1/14/2008			
	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												

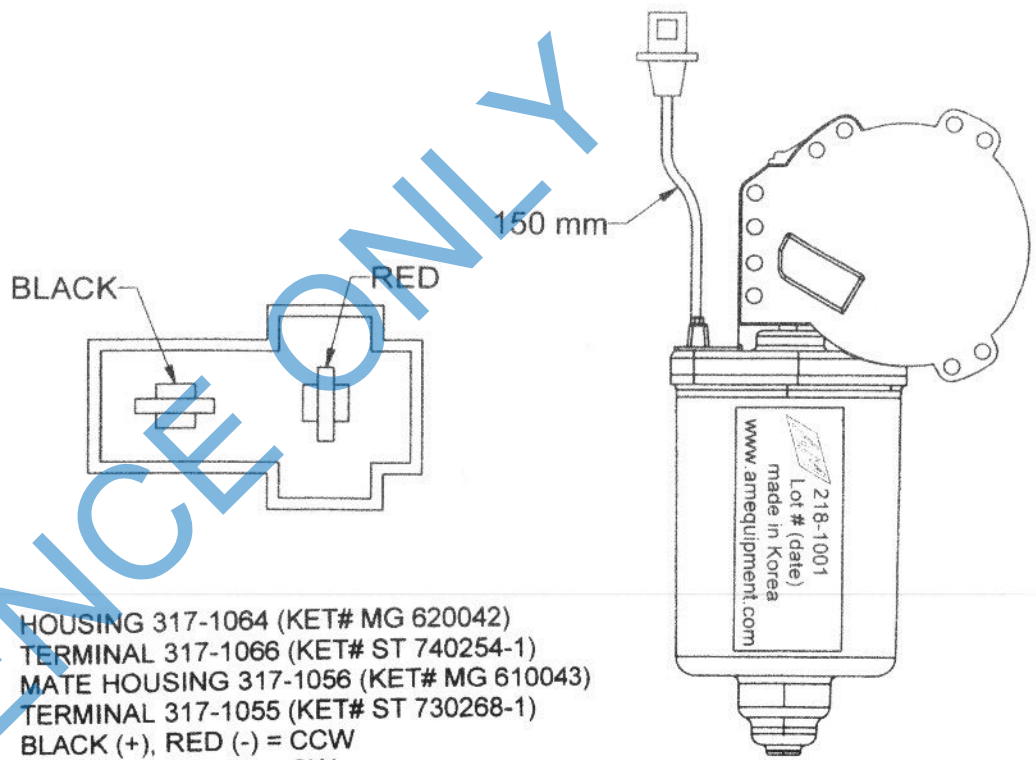
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CLOCKWISE MOTOR SHAFT ROTATION		
DATA POINT	DATA TYPE	VALUE RANGE
NO LOAD	CURRENT (A)	1.7 - 1.4
	SPEED (rpm)	116.2 - 95.1
STALL LOAD	TORQUE (Nm)	21.3 - 17.5
	CURRENT (A)	36.0 - 29.4
PEAK POWER	POWER (W)	60.0 - 49.1
	TORQUE (Nm)	11.1 - 9.1
<b>NOMINAL</b> (PEAK EFFICIENCY)	POWER (W)	36.5 NOMINAL
	SPEED (rpm)	82.1 NOMINAL
	CURRENT (A)	7.0 NOMINAL
	TORQUE (Nm)	4.3 NOMINAL
COUNTER-CLOCKWISE MOTOR SHAFT ROTATION		
DATA POINT	DATA TYPE	VALUE RANGE
NO LOAD	CURRENT (A)	1.6 - 1.3
	SPEED (rpm)	113.5 - 92.9
STALL LOAD	TORQUE (Nm)	20.6 - 16.9
	CURRENT (A)	35.7 - 29.2
PEAK POWER	POWER (W)	55.5 - 45.4
	TORQUE (Nm)	10.5 - 8.6
<b>NOMINAL</b> (PEAK EFFICIENCY)	POWER (W)	34.3 NOMINAL
	SPEED (rpm)	79.6 NOMINAL
	CURRENT (A)	7.4 NOMINAL
	TORQUE (Nm)	4.2 NOMINAL



HOUSING 317-1064 (KET# MG 620042)  
 TERMINAL 317-1066 (KET# ST 740254-1)  
 MATE HOUSING 317-1056 (KET# MG 610043)  
 TERMINAL 317-1055 (KET# ST 730268-1)  
 BLACK (+), RED (-) = CCW  
 RED (+), BLACK (-) = CW

**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

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<b>OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES</b>	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'			<b>AM EQUIPMENT</b> 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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						Part Number 218-1001