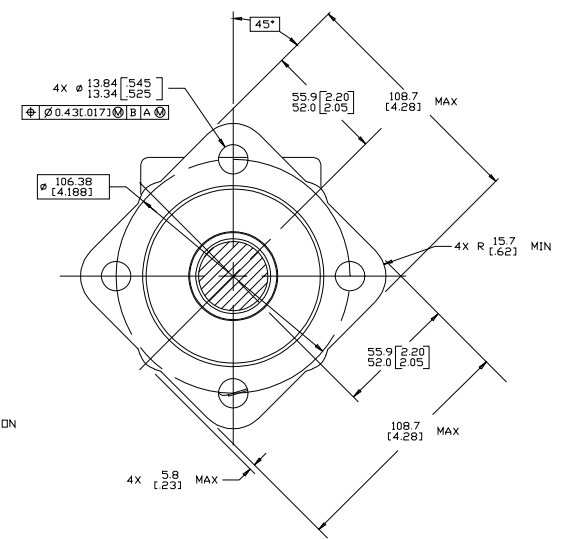
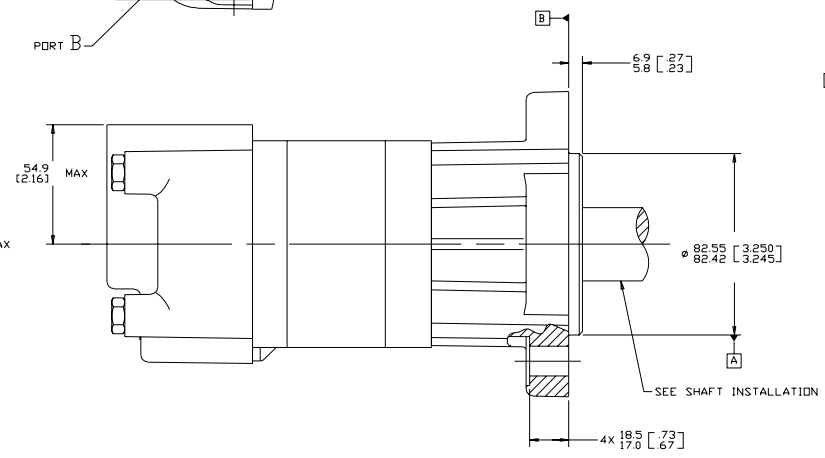
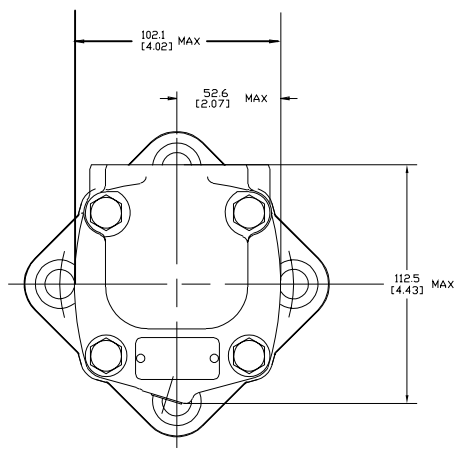
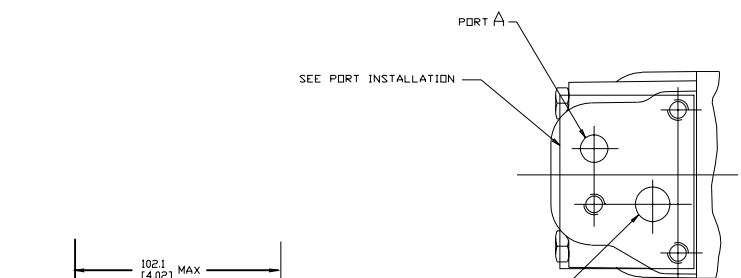


REV	DESCRIPTION	BY	CHK	DATE	ECN / MPS
A	ENGINEERING RELEASE	AGJ		8-26-94	22833
E	REVISED AS PER STACK UP	YIS		9-29-11	83397



NOTE

1 ROTATION:  
 STANDARD: WHEN FACING SHAFT END OF MOTOR, SHAFT TO ROTATE;  
 CLOCKWISE WHEN PORT "A" IS PRESSURIZED  
 COUNTERCLOCKWISE WHEN PORT "B" IS PRESSURIZED

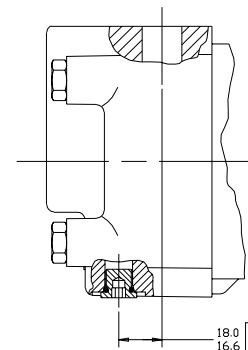
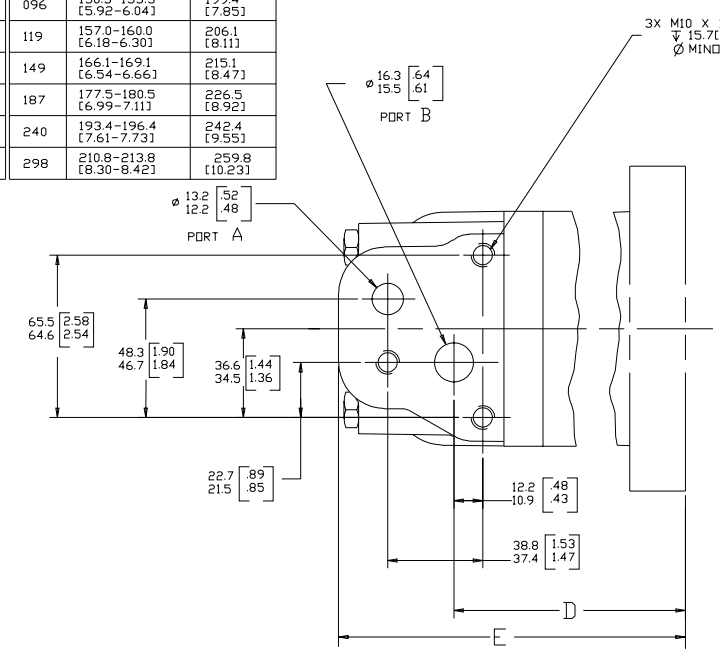
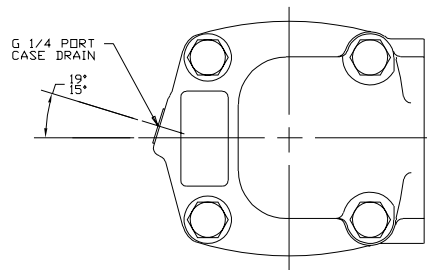
REVERSE: WHEN FACING SHAFT END OF MOTOR, SHAFT TO ROTATE;  
 CLOCKWISE WHEN PORT "B" IS PRESSURIZED  
 COUNTERCLOCKWISE WHEN PORT "A" IS PRESSURIZED

2 MOUNTING TYPE: AH  
 STANDARD: 4 BOLT  $\phi$  82.6 [3.25] PILOT  
 $\phi$  13.59 [.535] HOLES ON  $\phi$  106.4 [4.19] BOLT CIRCLE

**REVIEWED FOR CLASSIFICATION PER ESP-042**

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES	DRAWING BASED ON ASME Y14.5M-1994	
MILLIMETERS	EATON CORPORATION - CONFIDENTIAL AND PROPRIETARY	
TOLERANCES	NOTES TO PERSONS RECEIVING THIS DRAWING:	
3X ± .005	FOR ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE HOLE OR THE CENTER OF THE GROOVE UNLESS OTHERWISE SPECIFIED. DIMENSIONS TO THE CENTER OF THE HOLE OR THE CENTER OF THE GROOVE UNLESS OTHERWISE SPECIFIED. DIMENSIONS TO THE CENTER OF THE HOLE OR THE CENTER OF THE GROOVE UNLESS OTHERWISE SPECIFIED.	
2X ± .005	MATERIAL HEAT TREAT	
1X ± .005	FINISH	
UNSPECIFIED RADIUS ARE:	TITLE	
UNSPECIFIED DRAUGHT ANGLE ARE:	2000 SERIES MOTOR INSTALLATION	
D SIZE	NUMBER	
	A-669-004	
	SCALE	
	1/1 SHEET 1 OF 1	

8			7			6			5			4			3			2			1		
MOUNTING TYPE AB,AM,AP,AR,AV,BB,BF,BG,BH			MOUNTING TYPE AC,AF,AH,AN,AS,AW,AU,AY,BA,BE,BD			MOUNTING TYPE AD,AE,BJ			MOUNTING TYPE AJ & BC			REV			DESCRIPTION			BY	CHK	DATE	ECN		
DISP	D	E MAX	DISP	D	E MAX	DISP	D	E MAX	DISP	D	E MAX	DISP	D	E MAX	A				RAF	CSG	05/11/93	M10742	
			021	125.5-128.0 [4.94-5.04]	173.9 [6.85]										K	ENGINEERING RELEASE			RPD	CSG	29/03/10	M78773	
			X025	127.0-129.5 [5.00-5.10]	175.4 [6.91]										L	-1X(7C)ADDED MOUNTING TYPE "BM" TO TAB			RPD	HRK	06/01/10	M79248	
			040	132.6-135.1 [5.22-5.32]	181.1 [7.13]										M	-1X(7D)ADDED DISPLACEMENT CODES X021,X025 AND X040 -2X(6C) REVISED PICTORIALS (REMOVED RIVETS) -3X(2C)..... $\nabla$ 15.7 [6.2] MIN..... WAS ..... $\nabla$ D 15.7 [6.2] MIN.....			CSG	VBH	06/27/15	M96902	
			049	135.7-138.2 [5.34-5.44]	184.2 [7.25]	049	77.3-80.5 [3.04-3.17]	126.6 [4.98]	049	139.2-142.2 [5.48-5.60]	188.3 [7.41]				N	-(8B)ADDED MOUNTING TYPE "AL"			SMT	SB	01/16/17	M103108	
049	95.6-98.0 [3.76-3.86]	144.1 [5.67]	055	138.0-140.5 [5.43-5.53]	186.5 [7.34]	055	79.6-82.8 [3.13-3.26]	128.9 [5.07]	055	141.6-144.6 [5.57-5.69]	190.6 [7.50]				P	-1X(12) UPDATED DISPLACEMENT CODES 021 AND 040 WAS X021 AND 040			PJ	PJ	07/13/17	M105018	
055	97.9-100.4 [3.85-3.95]	146.4 [5.76]	062	140.3-142.8 [5.53-5.62]	189.0 [7.44]	062	81.9-85.2 [3.23-3.35]	131.2 [5.17]	062	143.9-146.9 [5.67-5.78]	192.9 [7.60]												
062	100.2-102.7 [3.95-4.03]	148.7 [5.86]	080	146.8-149.3 [5.78-5.88]	195.3 [7.69]	080	88.3-91.6 [3.48-3.61]	137.6 [5.42]	080	150.3-153.3 [5.92-6.04]	199.4 [7.85]												
080	106.6-109.1 [4.20-4.30]	155.2 [6.11]	096	146.8-149.3 [5.78-5.88]	195.3 [7.69]	096	88.3-91.6 [3.48-3.61]	137.6 [5.42]	096	150.3-153.3 [5.92-6.04]	199.4 [7.85]												
096	106.6-109.1 [4.20-4.30]	155.2 [6.11]	119	153.5-156.0 [6.04-6.14]	202.0 [7.95]	119	95.1-98.3 [3.74-3.87]	144.4 [5.68]	119	157.0-160.0 [6.18-6.30]	206.1 [8.11]												
119	113.4-115.8 [4.46-4.56]	161.9 [6.37]	149	162.5-165.0 [6.40-6.50]	211.1 [8.31]	149	104.1-107.4 [4.10-4.23]	153.4 [6.04]	149	166.1-169.1 [6.54-6.66]	215.1 [8.47]												
149	122.4-124.9 [4.82-4.92]	170.9 [6.73]	187	173.9-176.4 [6.85-6.95]	222.5 [8.76]	187	115.5-118.7 [4.55-4.68]	164.8 [6.49]	187	177.5-180.5 [6.99-7.11]	226.5 [8.92]												
187	133.8-136.3 [5.27-5.37]	182.3 [7.18]	240	189.8-192.3 [7.47-7.57]	238.4 [9.39]	240	131.4-134.7 [5.17-5.30]	180.7 [7.12]	240	193.4-196.4 [7.61-7.73]	242.4 [9.55]												
240	149.7-152.2 [5.89-5.99]	198.2 [7.81]	298	207.2-209.7 [8.16-8.26]	255.8 [10.07]	298	148.8-152.1 [5.86-5.99]	198.1 [7.80]	298	210.8-213.8 [8.30-8.42]	259.8 [10.23]												
298	167.1-169.6 [6.58-6.68]	215.6 [8.49]	MOUNTING TYPE 00			MOUNTING TYPE BM			MOUNTING TYPE 00			MOUNTING TYPE BM											
			DISP	D	E MAX	DISP	D	E MAX	DISP	D	E MAX	DISP	D	E MAX									
049	73.5-75.4 [2.89-2.97]	121.5 [4.78]	049	68.5-70.5 [2.70-2.78]	116.0 [4.57]	049	68.5-70.5 [2.70-2.78]	116.0 [4.57]	049	68.5-70.5 [2.70-2.78]	116.0 [4.57]												
055	75.8-77.7 [2.98-3.06]	123.8 [4.87]	055	70.8-72.8 [2.79-2.87]	118.8 [4.68]	055	70.8-72.8 [2.79-2.87]	118.8 [4.68]	055	70.8-72.8 [2.79-2.87]	118.8 [4.68]												
062	78.1-80.1 [3.08-3.15]	126.1 [4.97]	062	73.1-75.2 [2.88-2.96]	121.2 [4.77]	062	73.1-75.2 [2.88-2.96]	121.2 [4.77]	062	73.1-75.2 [2.88-2.96]	121.2 [4.77]												
080	84.5-86.5 [3.33-3.41]	132.6 [5.22]	080	79.5-81.6 [3.13-3.21]	127.6 [5.02]	080	79.5-81.6 [3.13-3.21]	127.6 [5.02]	080	79.5-81.6 [3.13-3.21]	127.6 [5.02]												
096	84.5-86.5 [3.33-3.41]	132.6 [5.22]	096	79.5-81.6 [3.13-3.21]	127.6 [5.02]	096	79.5-81.6 [3.13-3.21]	127.6 [5.02]	096	79.5-81.6 [3.13-3.21]	127.6 [5.02]												
119	91.3-93.2 [3.59-3.67]	139.3 [5.48]	119	86.3-88.3 [3.40-3.48]	134.3 [5.29]	119	86.3-88.3 [3.40-3.48]	134.3 [5.29]	119	86.3-88.3 [3.40-3.48]	134.3 [5.29]												
149	100.3-102.3 [3.95-4.03]	148.3 [5.84]	149	95.3-97.4 [3.75-3.83]	143.4 [5.65]	149	95.3-97.4 [3.75-3.83]	143.4 [5.65]	149	95.3-97.4 [3.75-3.83]	143.4 [5.65]												
187	111.7-113.7 [4.40-4.48]	159.7 [6.29]	187	106.7-108.8 [4.20-4.28]	154.8 [6.09]	187	106.7-108.8 [4.20-4.28]	154.8 [6.09]	187	106.7-108.8 [4.20-4.28]	154.8 [6.09]												
240	127.6-129.6 [5.02-5.10]	175.6 [6.92]	240	122.6-124.7 [4.83-4.91]	170.7 [6.72]	240	122.6-124.7 [4.83-4.91]	170.7 [6.72]	240	122.6-124.7 [4.83-4.91]	170.7 [6.72]												
298	145.3-146.7 [5.71-5.79]	193.0 [7.60]	298	140.0-142.1 [5.51-5.59]	188.1 [7.41]	298	140.0-142.1 [5.51-5.59]	188.1 [7.41]	298	140.0-142.1 [5.51-5.59]	188.1 [7.41]												
			MOUNTING TYPE AL (N)			MOUNTING TYPE AL (N)			MOUNTING TYPE AL (N)			MOUNTING TYPE AL (N)											
			DISP	C	E MAX	DISP	C	E MAX	DISP	C	E MAX	DISP	C	E MAX									
049	98.0-99.6 [3.86-3.92]	146.1 [5.75]	049	98.0-99.6 [3.86-3.92]	146.1 [5.75]	049	98.0-99.6 [3.86-3.92]	146.1 [5.75]	049	98.0-99.6 [3.86-3.92]	146.1 [5.75]												
055	100.3-101.9 [3.95-4.01]	148.4 [5.84]	055	100.3-101.9 [3.95-4.01]	148.4 [5.84]	055	100.3-101.9 [3.95-4.01]	148.4 [5.84]	055	100.3-101.9 [3.95-4.01]	148.4 [5.84]												
062	102.6-104.2 [4.04-4.10]	150.9 [5.94]	062	102.6-104.2 [4.04-4.10]	150.9 [5.94]	062	102.6-104.2 [4.04-4.10]	150.9 [5.94]	062	102.6-104.2 [4.04-4.10]	150.9 [5.94]												
080	109.0-110.7 [4.29-4.36]	157.2 [6.19]	080	109.0-110.7 [4.29-4.36]	157.2 [6.19]	080	109.0-110.7 [4.29-4.36]	157.2 [6.19]	080	109.0-110.7 [4.29-4.36]	157.2 [6.19]												
096	109.0-110.7 [4.29-4.36]	157.2 [6.19]	096	109.0-110.7 [4.29-4.36]	157.2 [6.19]	096	109.0-110.7 [4.29-4.36]	157.2 [6.19]	096	109.0-110.7 [4.29-4.36]	157.2 [6.19]												
119	115.8-117.4 [4.56-4.62]	163.9 [6.45]	119	115.8-117.4 [4.56-4.62]	163.9 [6.45]	119	115.8-117.4 [4.56-4.62]	163.9 [6.45]	119	115.8-117.4 [4.56-4.62]	163.9 [6.45]												
149	124.8-126.4 [4.91-4.98]	173.0 [6.81]	149	124.8-126.4 [4.91-4.98]	173.0 [6.81]	149	124.8-126.4 [4.91-4.98]	173.0 [6.81]	149	124.8-126.4 [4.91-4.98]	173.0 [6.81]												
187	136.2-137.8 [5.36-5.43]	184.4 [7.26]	187	136.2-137.8 [5.36-5.43]	184.4 [7.26]	187	136.2-137.8 [5.36-5.43]	184.4 [7.26]	187	136.2-137.8 [5.36-5.43]	184.4 [7.26]												
240	152.1-153.8 [5.99-6.05]	200.3 [7.89]	240	152.1-153.8 [5.99-6.05]	200.3 [7.89]	240	152.1-153.8 [5.99-6.05]	200.3 [7.89]	240	152.1-153.8 [5.99-6.05]	200.3 [7.89]												
298	169.5-171.2 [6.67-6.74]	217.7 [8.57]	298	169.5-171.2 [6.67-6.74]	217.7 [8.57]	298	169.5-171.2 [6.67-6.74]	217.7 [8.57]	298	169.5-171.2 [6.67-6.74]	217.7 [8.57]												

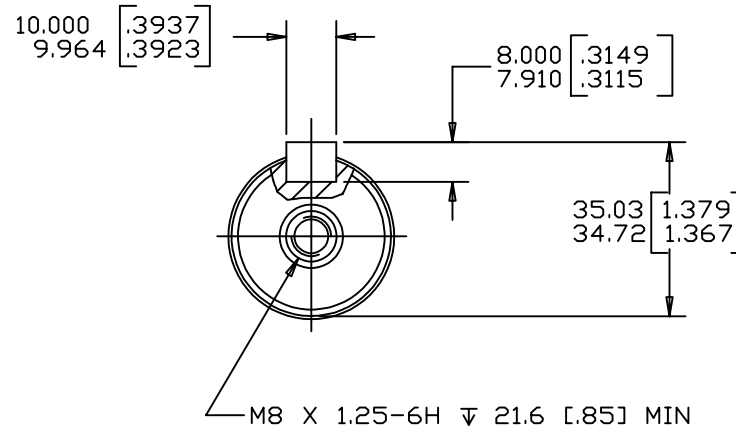
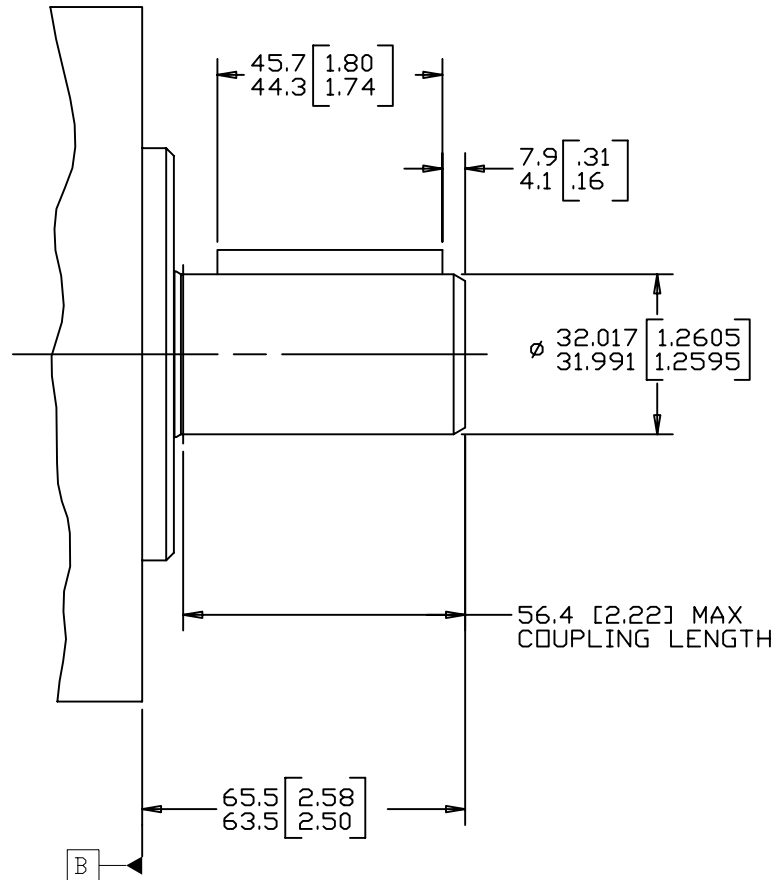


NOTE  
 1 PORT OPTION: AE  
 2 CASE FLOW OPTION: 02

**REVIEWED FOR CLASSIFICATION PER ESP-042**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MILLIMETERS	<input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS	DRAWING BASED ON ANSI Y14.5M-1982 EATON CORPORATION - CONFIDENTIAL AND PROPRIETARY NOTICE TO PERSONS RECEIVING THIS DRAWING AND / OR TECHNICAL INFORMATION THIS DRAWING INCLUDES OR REFERS TO TRADE SECRETS, CONFIDENTIAL INFORMATION AND PROPRIETARY INFORMATION OF EATON CORPORATION AND IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF EATON CORPORATION. EATON CORPORATION SHALL NOT BE RESPONSIBLE FOR ANY REPRODUCTION OR USE OF THIS DRAWING OR INFORMATION THEREON IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF EATON CORPORATION. ALL RIGHTS RESERVED.	
TOLERANCES	FINISH XX ± REF XXX ± ONLY Z ±	MATERIAL/HEAT TREAT 5/12/93 CHECKED K. RANDOLPH BY/DATE ENGR. K. BERNSTROM METALLURGY BY/DATE	TITLE 2000 SERIES MOTOR PORT INSTALLATION
UNSPECIFIED RADI ARE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MILLIMETERS THIRD ANGLE PROJECTION DO NOT SCALE	NUMBER A-673-007 SCALE 1/1 SHEET 1 OF 1

REV	DESCRIPTION	BY	DATE	ECN
A	ENGINEERING RELEASE	AGJ	5-26-93	22833
B	7.9/4.1[.31/.16] WAS 9.2/4.5[.36/.18]	RAF	2-8-96	M14882
C	ADDED MOUNTING TYPE OPTION W TO NOTE 1	AGJ	6-1-99	M21685
D	NOTE 1 WAS MOUNTING TYPE: OPTION H OR W	AGJ	5-13-02	41044
E	65.5/63.5 [2.58/2.50] WAS 65.8/63.5 [2.59/2.50]	AGJ	5-17-04	47918
F	NOTE 2 WAS OUTPUT SHAFT: OPTION 23 & 30	PM	4-4-06	54522
G	NOTE 1 WAS MOUNTING TYPE: OPTION AH, AW & AY	YUP	1-05-17	M103022



REVIEWED FOR CLASSIFICATION PER ESP-042

NOTE  
 1 MOUNTING TYPE: OPTION AH, AS, AW & AY  
 2 OUTPUT SHAFT: OPTION 16 & 22

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES <input type="checkbox"/> MILLIMETERS <input checked="" type="checkbox"/>		DRAWING BASED ON ASME Y14.5-2009	
TOLERANCES .X ± ---- .XX ± REF .XXX ± ONLY < ± ----		EATON CORPORATION - CONFIDENTIAL AND PROPRIETARY NOTICE TO PERSONS RECEIVING THIS DRAWING AND / OR TECHNICAL INFORMATION THIS DOCUMENT, INCLUDING THE DRAWING AND INFORMATION CONTAINED THEREIN, IS CONFIDENTIAL AND IS THE EXCLUSIVE PROPERTY OF EATON CORPORATION, AND IS MERELY ON LOAN AND SUBJECT TO RECALL BY EATON AT ANY TIME. BY TAKING POSSESSION OF THIS DOCUMENT, THE RECIPIENT ACKNOWLEDGES AND AGREES THAT THIS DOCUMENT CANNOT BE USED IN ANY MANNER ADVERSE TO THE INTERESTS OF EATON, AND THAT NO PORTION OF THIS DOCUMENT MAY BE COPIED OR OTHERWISE REPRODUCED WITHOUT THE PRIOR WRITTEN CONSENT OF EATON. IN THE CASE OF CONFLICTING CONTRACTUAL PROVISIONS, THIS NOTICE SHALL GOVERN THE STATUS OF THIS DOCUMENT. COPYRIGHT 2008 EATON CORPORATION - ALL RIGHTS RESERVED.	
UNSPECIFIED RADII ARE ----		DRAWN BY/DATE: A. JOHNSON 3-19-93 CHECKED BY/DATE: SDR 6-24-93 ENGRG BY/DATE: S.JZ 6-28-93 METALLURGY BY/DATE: ----	MATERIAL/HEAT TREAT  TITLE: 2000 SERIES MOTOR SHAFT INSTALLATION
UNSPECIFIED DRAFT ANGLES ARE ----		THIRD ANGLE PROJECTION 	MICROINCHES <input type="checkbox"/> MICROMETERS <input type="checkbox"/> MICROINCHES) <input type="checkbox"/> NUMBER: A-687-023
DRAWING FORMAT CADD <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/>		DO NOT SCALE	ARITHMETICAL AVERAGE <input checked="" type="checkbox"/> SCALE 1/1 SHEET 1 OF 1