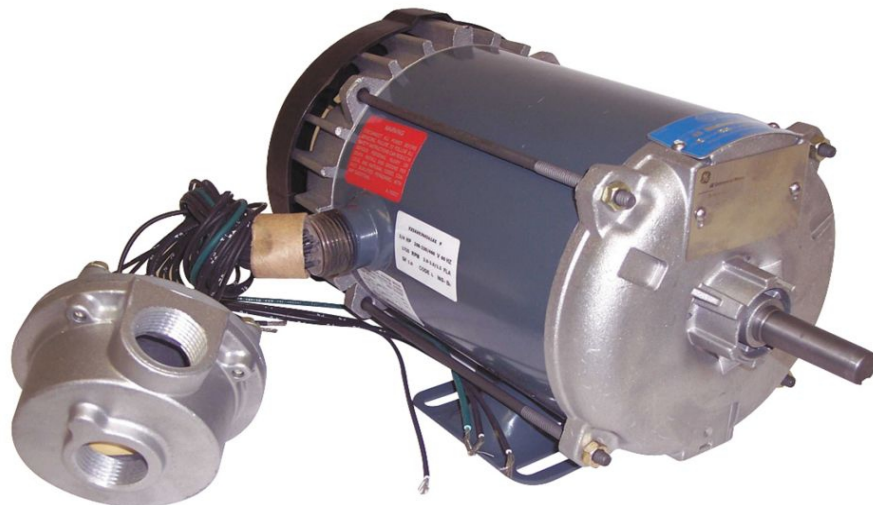
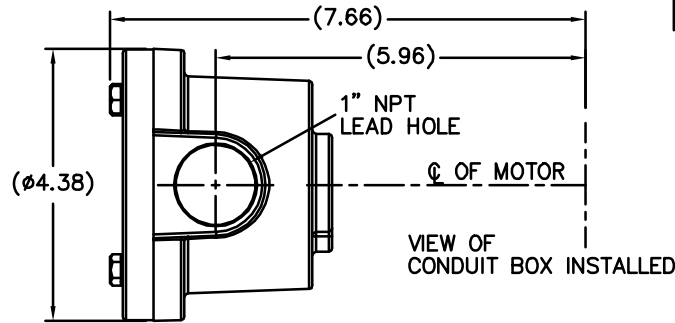
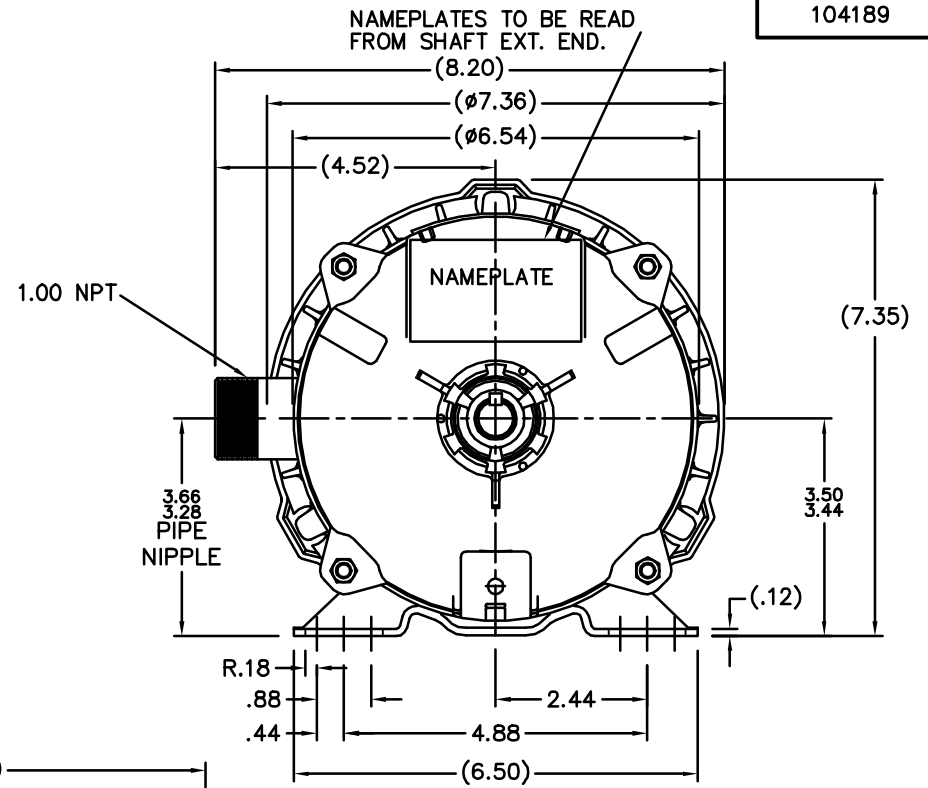
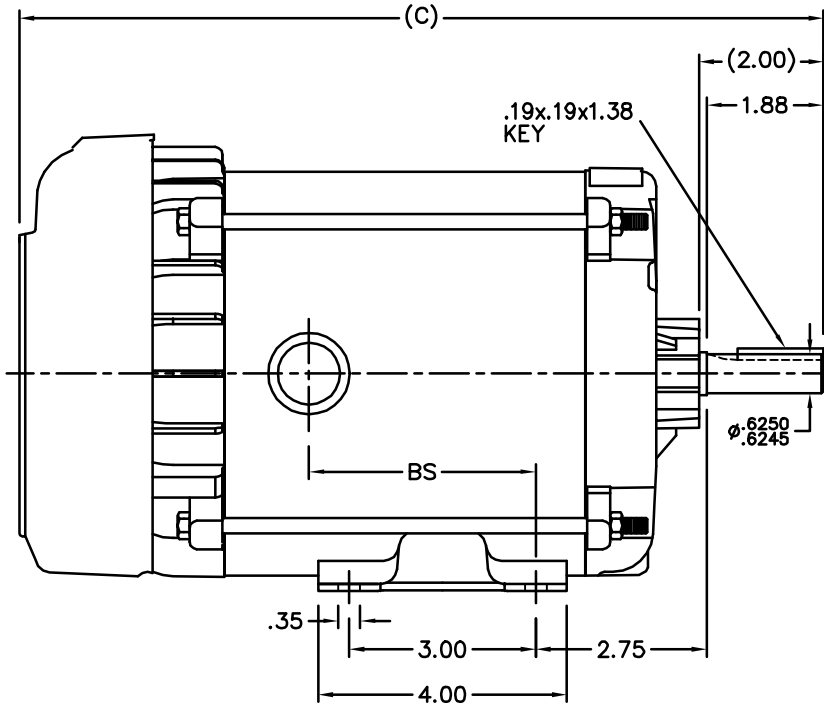


Motor Data
P/N 42762

Technical Specs	
Item	Hazardous Location Motor
Motor Application	Hazardous Locations
Motor Design	3-Phase
Motor Enclosure Design	Totally Enclosed Fan-Cooled
HP	1
Nameplate RPM	3450
Frame	56
NEMA Design	B
Motor Shaft Rotation	CW/CCW
Voltage	208-230/460
Full Load Amps	3.9-3.6/1.8
Phase	3
Hz	60
Motor Mounting Type	Rigid Base
Bearings	Ball
Frame Material	Rolled Steel
Thermal Protection	Auto
Service Factor	1.15
Hazardous Location Class	1 C, D / 2 E, F, G
Max. Ambient Temp.	40 Degrees C
Temp. Code	T3C
Motor Shaft Design	Keyed
Shaft Dia.	5/8"
Shaft Length	1-7/8"
Length Less Shaft	11-3/32"
Overall Length	12-15/16"
Lead Length	6"
Insulation Class	B
RPM Range	3001-3600
Duty	Continuous
Nominal Efficiency	72.5%
Includes	Conduit Box (Unmounted), Leads Through 3/4-14" NPT Nipple
Standards	UL Listed (E12044), CSA Certified (LR47504)





Grainger Stock #: 1TUD1 1TUD2
1TUD3 1TUD4 1TUD7
104189-631

DASH	(C)	BS			
631	13.44	4.15	←		
681	13.94	4.65			
731	14.44	5.15			
781	14.94	5.65			
831	15.44	6.15			
881	15.94	6.65			
931	16.44	7.15			
981	16.94	7.65			

NO.		REVISION	BY & DATE	CHK	ANG	±730°	FINISH	PREV
3		REVISED C'BOX PER CN407B4A	JJB 02/23/2007	ML	JOK	±.03	TITLE OUTLINE	
2		ADDED CONDUIT BOX VIEW CN 26686	MRE 03-22-1998		JOK	±.006	56 FR. - EXP. PR. - TEFC - 1φ & 3φ	
1		NEW DRAWING CN 23089	MH 12-02-1996		JOKK	±.0005	MATL.	

UNLESS SPECIFIED			DRAWN MH 11-20-1996
DEC.	INCHES		CHK ML 12-02-1996
X	±.1		APPD GK 12-02-1996
			SCALE 1=2
RFP		CAD FILE 104189	REV.
DIST WP			3

THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			
SIZE	DRAWING NO.	PAGE OF	REV.
B	104189	3	

Data Sheet

Date: 7/27/2007
Customer: GRAINGER
Attention: _____
Submitted by: Vaishakhi Iahoti



1TUD7-PC

Submittal

Data @ 460 V

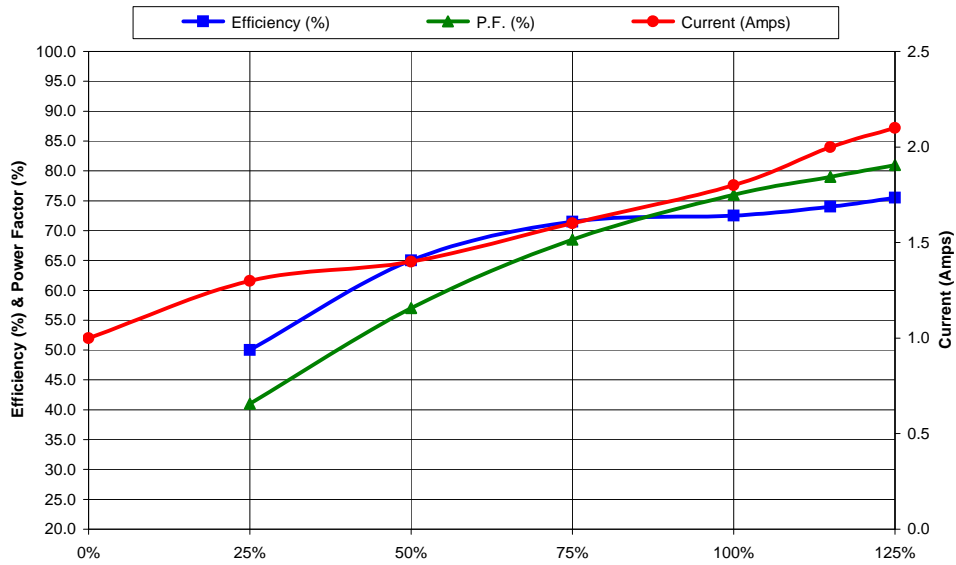
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	1.00	1.30	1.40	1.60	1.80	2.00	2.10
Torque (ft-lb)	0.00	0.40	0.80	1.10	1.50	1.70	1.90
RPM	3600	3575	3555	3530	3500	3490	3475
Efficiency (%)		50.0	65.0	71.5	72.5	74.0	75.5
P.F. (%)	22.0	41.0	57.0	68.5	76.0	79.0	81.0

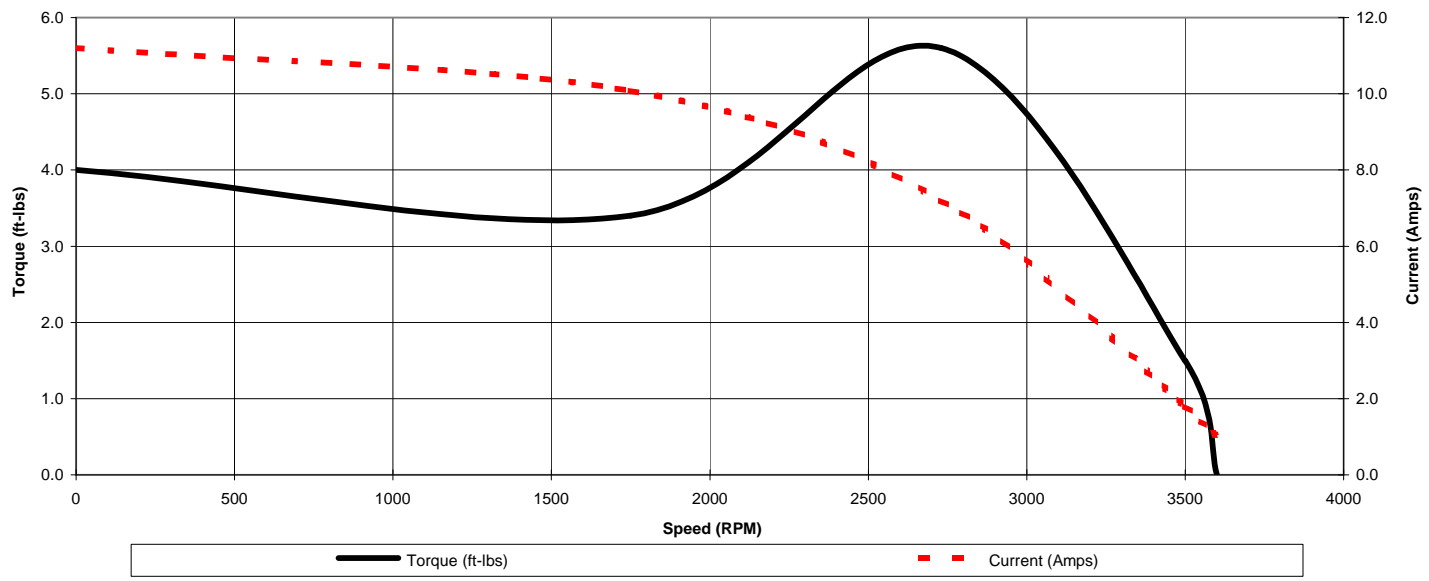
Motor Speed Data

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle
Speed (RPM)	0	1750	2730	3500	3600
Current (Amps)	11.2	10.1	7.2	1.80	1.00
Torque (ft-lbs)	4.0	3.4	5.6	1.50	0.00

Information Block	
HP	1.00
Sync. RPM	3600
Frame	143
Enclosure	EPFC
Construction	TFR
Voltage	460 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	55 °C
Duty	CONT
Ambient	40 °C
Elevation	3300 feet
Rotor/Shaft wk ²	0.02 Lb-Ft ²
Ref Wdg	ZT205 R6
Sound Pressure @ 1M	68 dBA
VFD Rating	0 : 1
Outline Dwg	
Conn. Diag	
Additional Specifications:	



Motor Speed Data



Online Technical Information System

--| Home --| AC Motors --| Front Page --| Print

[Front Page](#) | [Spl Instr](#) | [Nameplate](#) | [Box Label](#) | [Perf Data](#) | [Oracle/Rev](#) | [Test Limit](#) | [BOM](#)

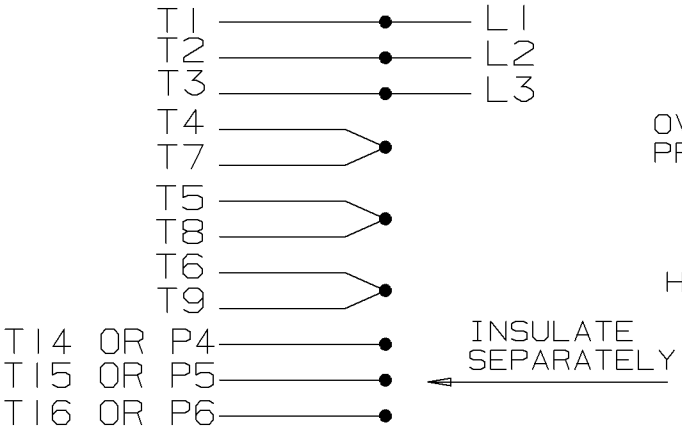
Product Features		
Motor No. 56T34G15540	Catalog 1TUD7	Edited By deshmura
Model 56T34G15540A		Effective Date 08/24/2007
Description 1,3450,EPFC,56,3/60/208-230/460		NP Seq 0
Product Line Fractional	Channel MAR	Status Active
Auth BOM/RT Y.Y	Stock Class B	Source Location WP

Nameplate Data			
Hertz 60	Volts 208-230/460	Hertz	Volts
HP 1		HP	
KW 0.75	FL Amps 3.9-3.6/1.8	KW	FL Amps
FL PF (Cos) 76 (0.76)		FL PF (Cos)	
FL Eff 72.5	SF Amps	FL Eff	SF Amps
Eff. 75%		Eff. 75%	
SF 1.15	RPM 3450	SF	RPM
Assembly Mtg F1 ONLY	NP Frame 56		Motor Type TSE
NEMA Design B	Phase 3		Insulation Class B3
Duty CONTINUOUS	Max Amb(C°) 40		Enclosure EPFC
Full Load Rise 55.0	IP Code 54		IC Code 41
KVA Code L	PE Bearing NONE		OPE Bearing NONE
UL Q-INS, CONST, AUTO PRT UL REC			CSA N
CC Number EXEMPT	RoHS Y		CE N
Protector AUTOMATIC	Prot. Number		Lead Desc. 12-18 INCH
Wdg. RTDs NONE			Thermostats NONE
Hazardous Loc EXP PROOF CL I GR C&D CL II GR E,F,G T3B			Thermistors NONE
Stack Length 1.5	Max KVAR		Elevation 3300
Motor Image	Protector Code		CrAmps

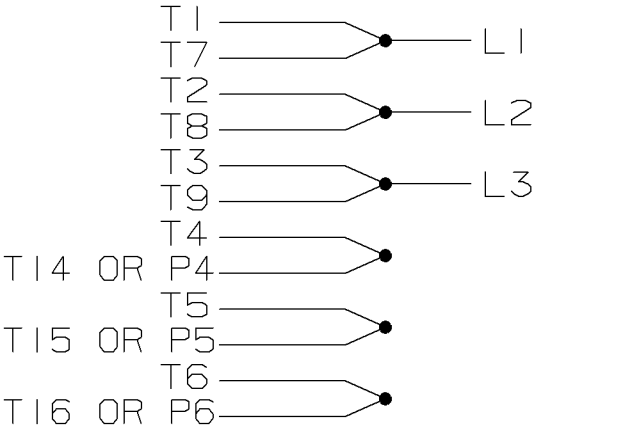
Inverter Duty Motor Information							
Inverter Type		Inverter Load NONE			Inv. Spd Range NONE		
Max. Safe RPM 4000		Rtr WK .023			No Load Amps		
Hertz	HP	RPM	Torque	Volts	Amps		
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
R1	R2	X1	X2	XM			
0	0	0	0	0	0	0	0

Additional Mechanical Parameters		
Frame Material ROLLED STEEL	Severe Duty FALSE	Mtr. Orientation HORIZONTAL
Mount Type RIGID	Application GENERAL PURPOSE	DE Bracket STANDARD
ODE Bracket STANDARD	Shaft Type STANDARD 56	Shaft Material STANDARD
DE Spl. Shaft NONE		Shaft Diameter
ODE Spl. Shaft NONE		Shipping Wt.
Mech. Features STANDARD		Final Asm. Drg.
Brg. RTDs NONE		
Nameplate Drg.	Nameplate Conn Dia.	Nameplate Logo
		Nameplate Type MYLAR
Lubrication STANDARD	Brake Prov. NONE	Encoder Prov. NONE

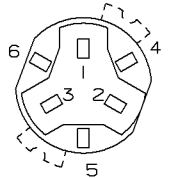
HIGH VOLTAGE CONNECTIONS



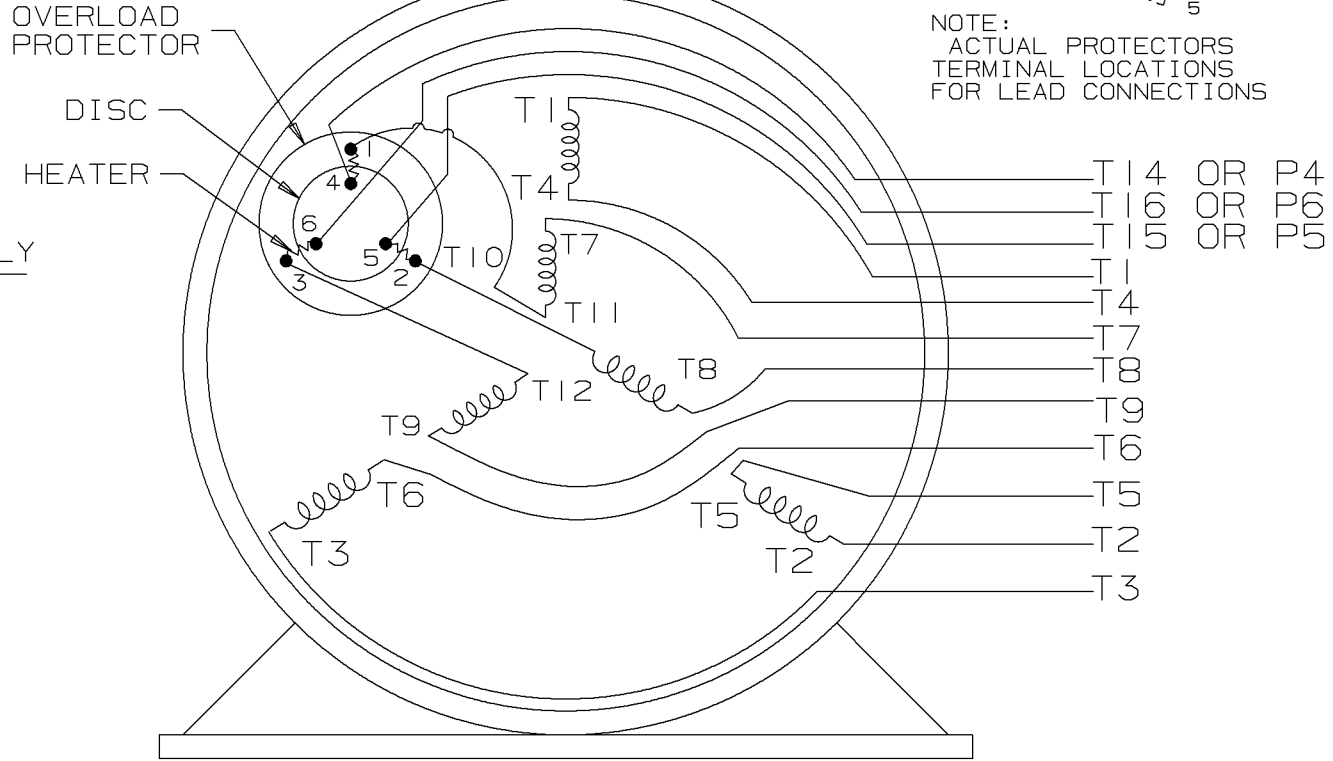
LOW VOLTAGE CONNECTIONS



THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



NOTE:
 ACTUAL PROTECTORS
 TERMINAL LOCATIONS
 FOR LEAD CONNECTIONS



VIEW OF TERMINAL END

T2K
T4D
T6AN

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±		
4	05-10-1994	ADDED ACTUAL PROTECTOR VIEW CN 17481	KL	MATL SPEC			DRAWN BY KL 08-09-1993
3	08-11-1993	REDRAWN ON CADD	KL	FINISH	WAUSAU, WISCONSIN 54401		CHKD BY ML 08-10-1993
				REFERENCE DRW.			APPD BY GK 08-10-1993
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE WITH OVERLOAD PROTECTOR			DRWG NO A - EE7335