SIEMENS

NEMA Motor Data

Ordering data : **1LE2221-3DA21-6AA3**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Nameplate Data

Type	GP100 - NEMA Premium Efficiency		
HP	75.0	Rating	Cont.
Voltage	(16) 230/460V, STD	Ins. Class	Class F (Standard)
Amps	172.0 / 86.0 A	S.F.	1.15
FL RPM	3565	Amb. Temp.	40 deg C
FL Efficiency	94.1 %	Temp. Rise	Class B
FRAME	365TS	kVA Code	G
DE AFBMA	70BC03JP30	NEMA Des	B
ODE AFBMA	70BC02JPP30	Mtr WT	888.02
60 Hertz	3 Ph TEFC	IP	54

Typical Performance Data

Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		93.7 %	94.3 %	94.1 %	
Power Factor		81.0	86.0	88.0	
Current (A)	22.0 A	46.3 A	64.9 A	172.0 / 86.0	543.0 A

Inverter Duty	VT	20:1	CT	4:1

Mounting and motor protection

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) No winding protection
Terminal box design	(3) Mounting - F-1

Bearing Data

	DE	ODE
Bearing Size	6314 Z C3 S0	6214 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	70BC03JP30	70BC02JPP30

Mechanical Data

SAFE STALL TIME		HOT (s)	16	COLD (s)	27
Rtr wt (lbs)	187.99	Rtr WK2	11.0		
FLT (lb-ft)	111.000	LRT	160	BDT	260

Ext Load Inertia (WK2) Capability 105.0 lb-ft²

Typical Noise Data

A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)								
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	87
at 3 feet	59	74	77	82	83	77	67	SPwrL	98

Wiring Connection Information

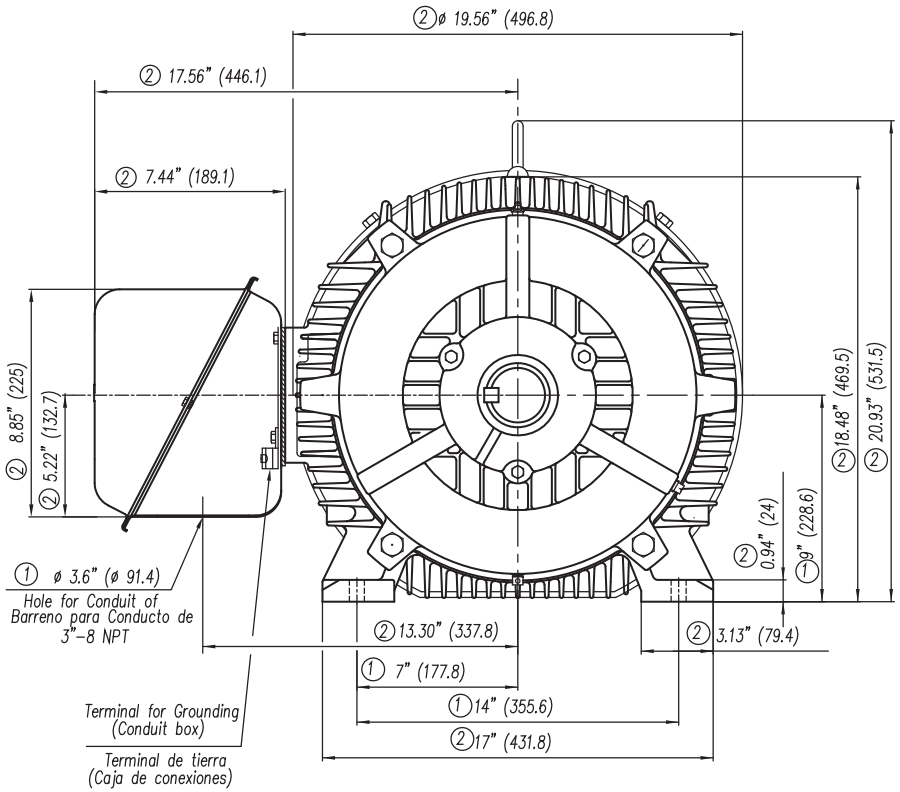
Description 3 PHASE - 9 LEAD - DELTA

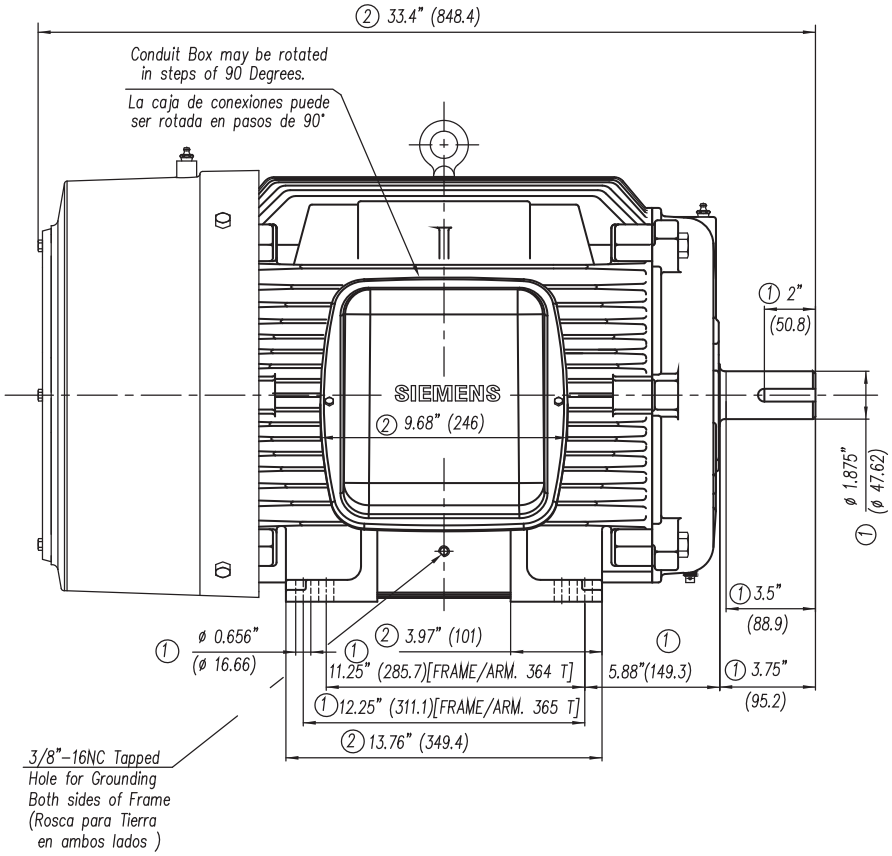
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --	Δ Δ
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Δ

Special design :

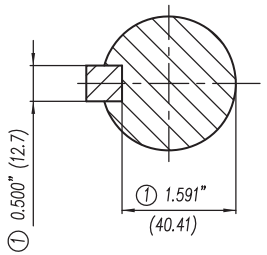
Lubrication Information

Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	7.50
ODEnd Capacity (oz.)	6.70





① Tolerances According to NEMA Std.	① Tolerancias acorde a NEMA Std.
② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686–GTB 19.	② Todas estas dimensiones correspondientes a ensambles y fundición en bruto tendrán una tolerancia según DIN 1686–GTB–19 1686–GTB 19.



Keyseat detail
Detalle Cuñero

CERTIFIED PRINT/CERTIFICACION

CUSTOMER/CLIENTE						
PO#/ORDEN COMPRA#		SO#/ORDEN CLIENTE#				
HP	RPM	FRAME/ARM.	TYPE/TIPO	VOLTS	PH/FÁS.	HZ

② Tol. in mm. acc. to/Tol. en mm. segun DIN-1686-GTB-19

Over/desde	to/hasta	
---	18	± 4.5
18	30	± 4.7
30	50	± 5
50	80	± 5.5
80	120	± 6
120	180	± 6.5
180	250	± 7
250	315	± 7.5
315	400	± 8
400	500	± 8.5
500	630	± 9.5
630	800	± 10

European Projection/
Proyeccion Europea

Modific.

Dim. in inches/Dim. en pulg.

	Date/Fecha	Name/Nombre
Drawn/Elab.	08/04/10	A. Perez
Check/Rev.	08/04/10	A. Real
Std.Ckd./Aut		

Outline/Dimensiones

Short Shaft/ Espiga Corta

Type/
Tipo: GP100 mNP FRAME/ARM. 364/365TS 2 ..8 Pol.

Scale/
Escala
W/O
SIN

SIEMENS
GUADALAJARA FACTORY

3MSE 730 1411

Ref. 3MSE 730 1185

Rep./
Sdo.

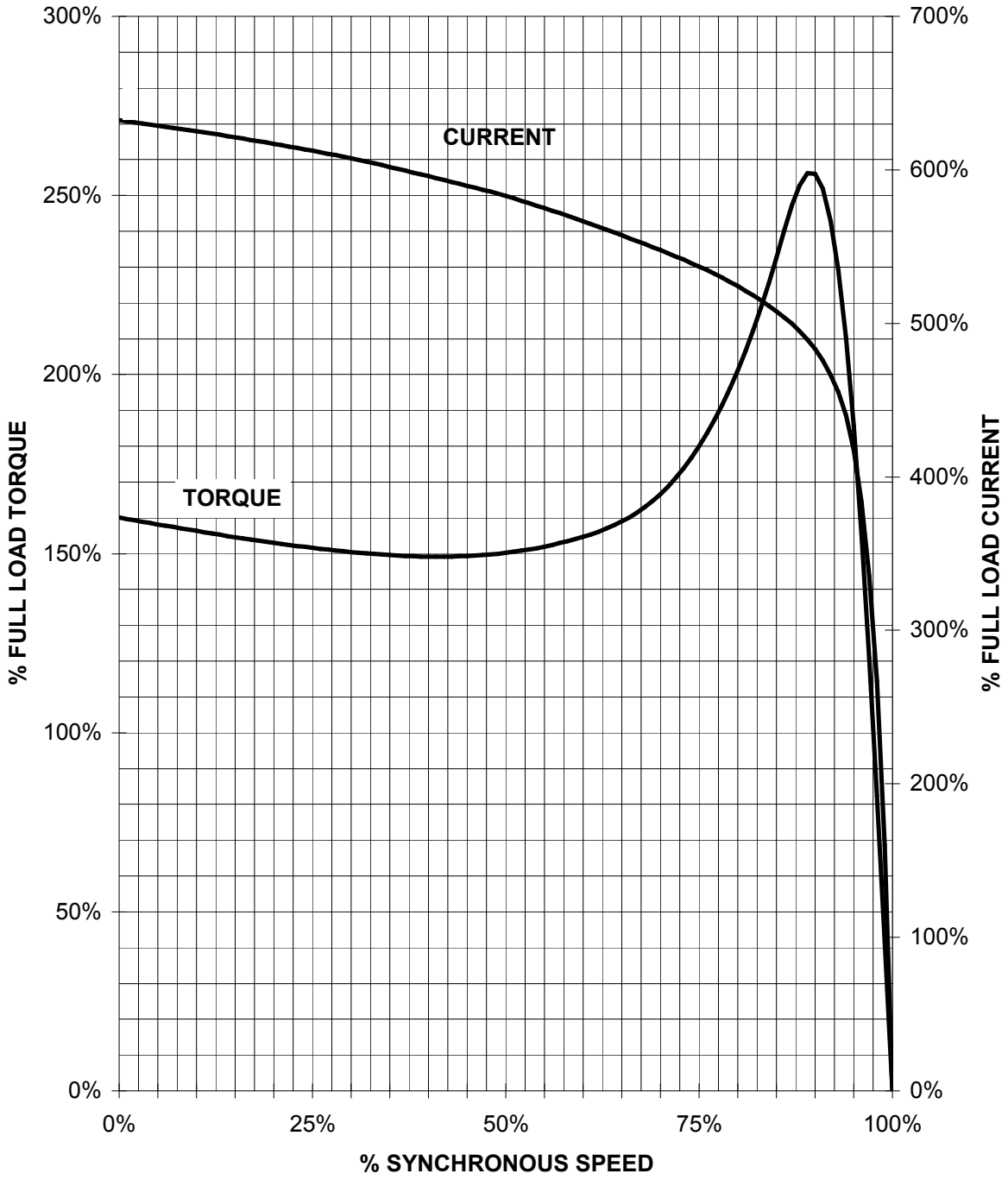
1/1

F200/1095

SIEMENS INDUSTRY, INC.

HP	75	VOLTS	< 600V	RPM	3600	TYPE	GP100
HZ	60	PHASE	3	FRAME	365TS	NEMA	B

TORQUE & CURRENT VS. SPEED

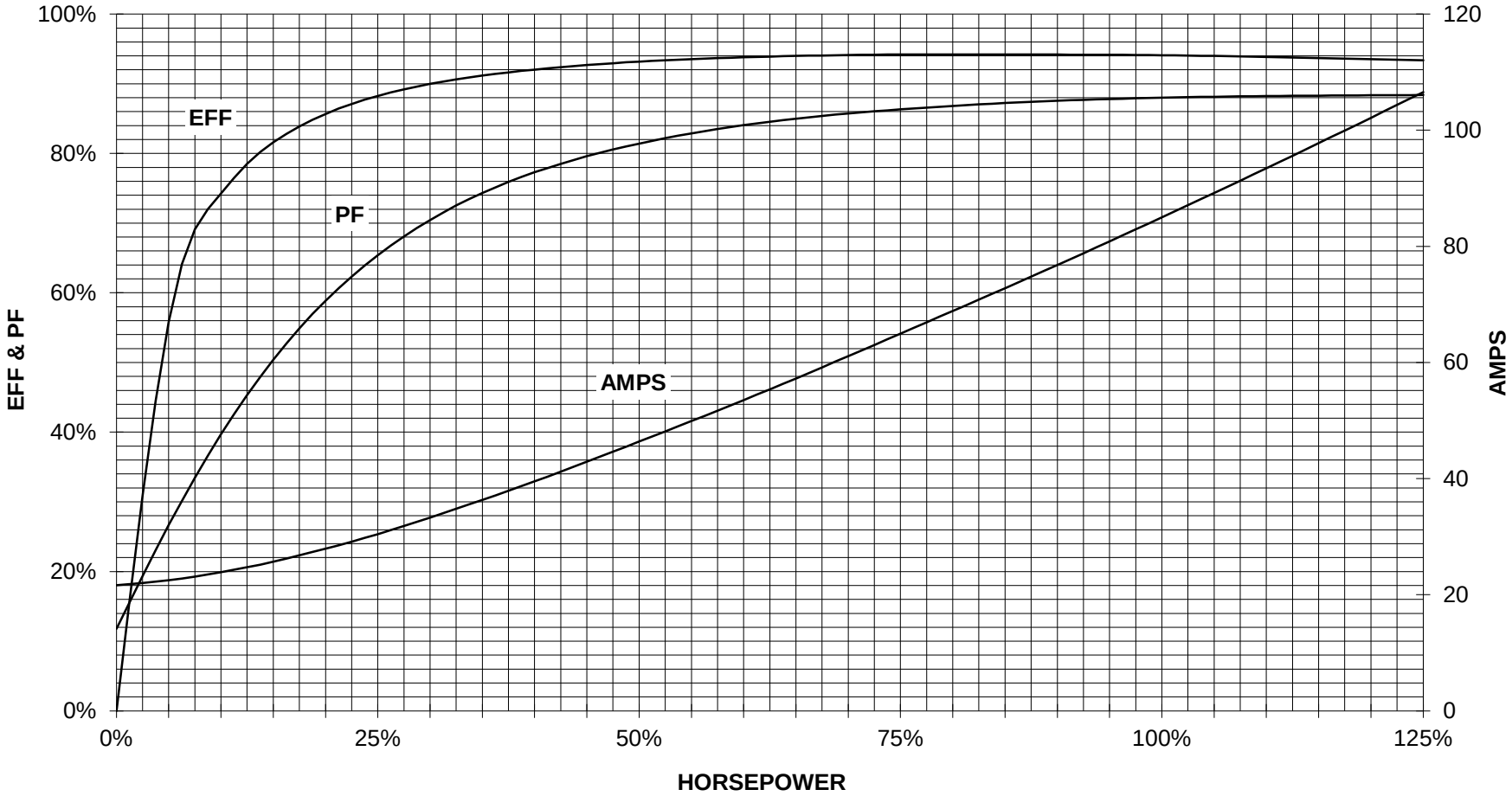


CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

75 HP 3600 RPM 365TS FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDSUTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER_____ ORDER #_____ PO #_____

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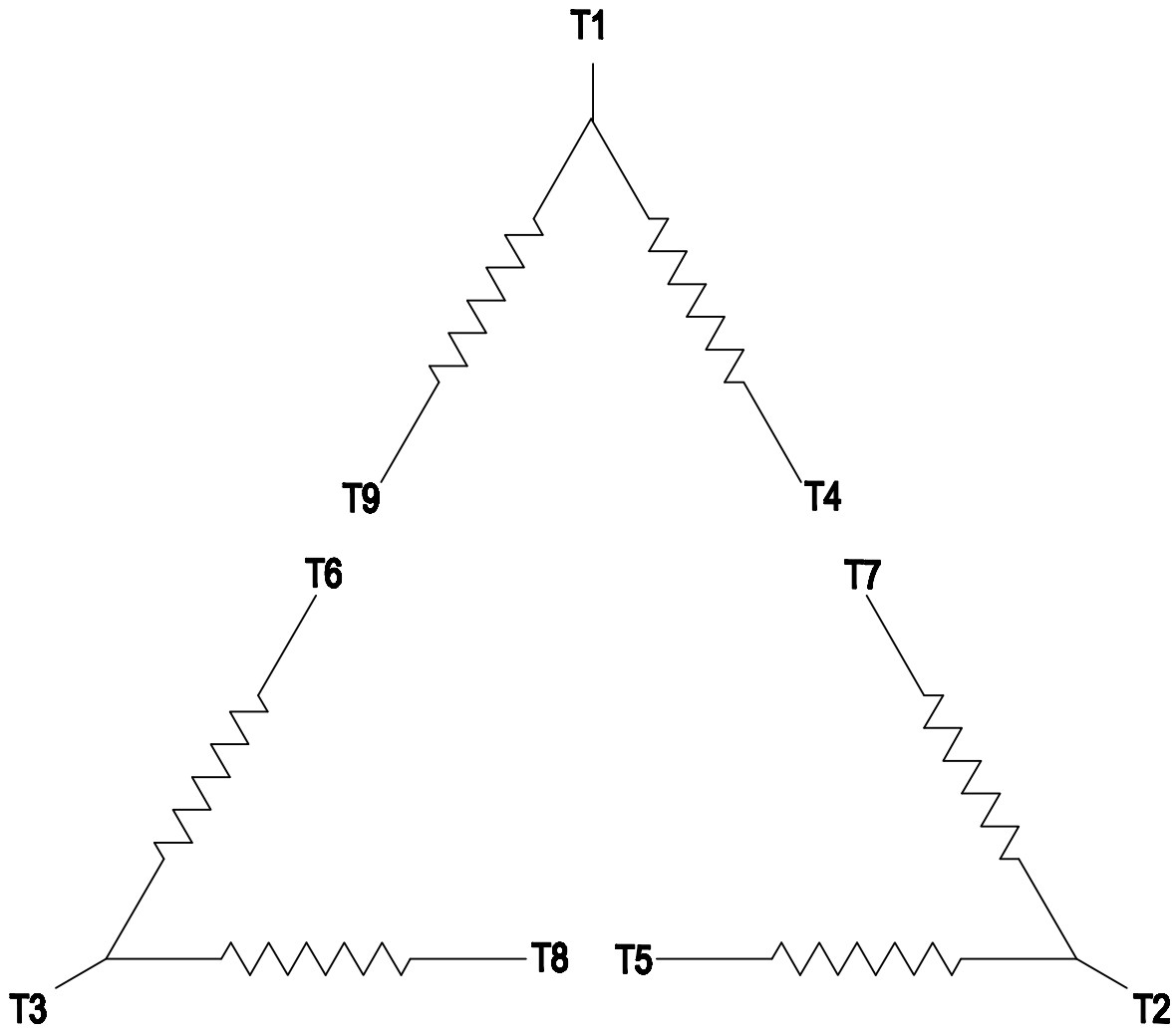
REV. 1



3 PHASE - 9 LEADS - DELTA

VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5		△ △
HIGH	T1	T2	T3	T4 T7–T5 T8–T6 T9	△

THIS IS A CAD DRAWING
DO NOT MAKE MANUAL CHANGES

01 | 09–27–07	TYPE	–CONFIDENTIAL–	PROPERTY OF Siemens Little Rock, AR
	FRAME / HP	NAME	WIRING DIAGRAM
	VOLTS / RPM / HZ / PH 3	Customer	
	DRAWN 9.24.07 DATE JRH CHECKED DATE APP DATE	PO # / SO #	
		SHEET 1 OF 1 / Sim. To	PART NO. 51–382–114–504 / A