

PRODUCT INFORMATION PACKET



Model No: C722A

Catalog No: C722A

Transformer Cooling Fan Motor, 1/4 HP, 1 Ph, 60 Hz, 208-230 V, 1140/950 RPM, 1 Speed, 48 Frame,
ENCLOSED



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Nameplate Specifications

Phase	1	Output HP	1/4 Hp
Output KW	0.19 kW	Voltage	208-230 V
Speed	1140/950 rpm	Service Factor	1
Frame	F48Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	1.3-1.6 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Keyed
Overall Length	9.39 in	Frame Length	5.13 in
Shaft Diameter	0.625 in	Shaft Extension	3.0 in
Connection Drawing	614131-358	Outline Drawing	F48Y97A01

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4

3

2

1

GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER 1.00[25.4] LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .03[.8] THK. 125°C INSUL.

NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48Y97A01
CUST. P/N: C722A
HP: 1/4
ROT.: REV.
RPM: 1140/950
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 1.3-1.6
HZ: 60/50
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 4 MFD/370 V
ENCL: ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED

BROWN

BLUE

YE/BK

BLACK

YELLOW

BLUE

RED

LINE

CCWLE

BROWN

BLUE

YE/BK

BLACK

BLUE

YELLOW

RED

LINE

CWLE

614131-358

PERFORMANCE CURVE NO.

TORQUE @ 1140 RPM (25°C)

APPROVED SAMPLE

UL COMPONENT

CSA

C32694

17.0 OZ. FT.

0603099B

FILE #

CCN #

FILE #

CLASS #

E46412

PRGY2

LR43341

4211-01

GEOMETRIC CHARACTERISTICS & SYMBOLS

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: AMY

05-10-2007

APPD:

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011

FORMAT REV G

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REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-48FR
OUTLINE

SIZE C

DWG NO F48Y97A01

SCALE NONE

SHEET 1

REV

ECO

REV BY

DATE

APPD

DATE

J

0025540

L. BERNAL

04-25-2012

D. BALDERRAMA

04-25-2012

REV.

ROT.

DRAIN HOLES. PLUGGED.

ø5.70 [ø144.8]

(4.28) [(108.7)]

(3.00) [(76.2)]

2.12 [53.8]

2.12 [53.8]

5.75 [146.0]

1/2-14 NPT WITH PLUG

.25 [6.3]

1.38 [35.1]

3.50 [88.9]

1.38 [35.1]

2.00±.03 [50.8±.8]

4X #8-32 THD'S. EQUALLY SPACED ON A ø5.147[ø130.73]. BC

.510±.007 [12.96±.18]

ø.6250^{+.0000}_{-.0005}

ø15.875^{+.000}_{-.013}

1.45 [36.9]

.187±.001 [4.75±.03]

.63±.06 [16.0±1.5]

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4X #8-32 THD'S. EQUALLY SPACED ON A ø5.147[ø130.73]. BC

.510±.007 [12.96±.18]

ø.6250^{+.0000}_{-.0005}

ø15.875^{+.000}_{-.013}

1.45 [36.9]

.187±.001 [4.75±.03]

.63±.06 [16.0±1.5]

.19[4.8] SQUARE X 1.38[35.1] LONG KEYPAGE TO SIDE OF MOTOR FOR KEYWAY.

SLINGER

1.45 [36.9]

1.38 [35.1]

3.50 [88.9]

1.38 [35.1]

2.00±.03 [50.8±.8]

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ø15.875^{+.000}_{-.013}

1.45 [36.9]

.187±.001 [4.75±.03]

.63±.06 [16.0±1.5]

.19[4.8] SQUARE X 1.38[35.1] LONG KEYPAGE TO SIDE OF MOTOR FOR KEY

4

3

2

1

INFORMACION GENERAL:

OSCILACION DE FLECHA:.001[.03] L.T.I. POR 1.00[25.4] DE LONG DE EXTENSION

BALEROS: DE BOLA

POSICION DEL MONTAJE: TODOS LOS ANGULOS

INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA REINICIO AUTOMATICO (T.I. 7AM 036)

CABLES: CALIBRE 18 AISLADO .03[.8] GROSOR 125°C.

INFORMACION DE ETIQUETA:

MODEL NO.:F48Y97A01
CUST. P/N: C722A
HP: 1/4
ROT.: REV.
RPM: 1140/950
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 1.3-1.6
HZ: 60/50
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 4 MFD/370 V
ENCL: ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED

DIAGRAMA DE CONEXION EXTRNA

BROWN

BLUE

YE/BK

BLACK

YELLOW

BLUE

RED

CCWLE

LINE

BROWN

BLUE

YE/BK

BLACK

BLUE

YELLOW

RED

CWLE

LINE

614131-358

CURVAS DE FUNCIONAMIENTO

TORSION @ 1140 RPM (25°C)

MUESTRA APROBADA

COMPONENTE UL

CSA

C32694

17.0 OZ. FT.

0603099B

#ARCHIVO CCN # #ARCHIVO CLASE #

E46412 PRGY2 LR43341 4211-01

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

REGAL-BELOIT CORPORATION (RBC) PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS. DESDE QUE RBC NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: AMY

05-10-2007

APROBADO POR:

TERCER ANGULO DE PROYECCION

FECHA EDS: 11-11-2011

REV. FORMATO: G

CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.

REGAL BELLOIT

REGAL-BELOIT CORPORATION

DESCRIPCION:

MODEL-RFHP-48FR
OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO: F48Y97A01

ESCALA:NONE

HOJA: 1

REVISION: ECO

0025540

REVISADO POR: L. BERNAL

FECHA: 04-25-2012

APROBADO POR: D. BALDERRAMA

FECHA: 04-25-2012

REV.

ROT.

ORIFICIOS DE DRENADO CON TAPON

PARTE SUPERIOR DE LA PLACA DE DATOS ADHESIVA

PARTE SUPERIOR DE LA ETIQUETA DE ADVERTENCIA

PARTE SUPERIOR DIAGRAMA DE CONEXION (CUANDO SE REQUIERA) (ADHESIVA)

1/2-14 CON TAPON

ORIFICIOS DE DRENADO (TAPADOS)

Ø5.70 [Ø144.8]

(4.28) [(108.7)]

(3.00) [(76.2)]

2.12 [53.8]

2.12 [53.8]

5.75 [146.0]

(.41) [(10.4)]

5.98 [151.9]

3.00 [76.2]

(.44) [(11.2)]

(3.88) [(98.6)]

.63±.06 [16.0±1.5]

.19[4.8] CUADRADO X 1.38[35.1] LARGO CUÑA ENCINTADA DE LADO DEL MOTOR PARA EL CUÑERO

1.45 [36.9]

.187±.001 [4.75±.03]

.510±.007 [12.96±.18]

Ø.6250+.0000-.0005 [Ø15.875+.000-.013]

4X #8-32 ROSCAS IGUALMENTE SEPARADAS SOBRE UN Ø5.147[Ø130.73] ENTRE CENTROS

2.00±.03 [50.8±.8]

1.38 [35.1]

3.50 [88.9]

1.38 [35.1]

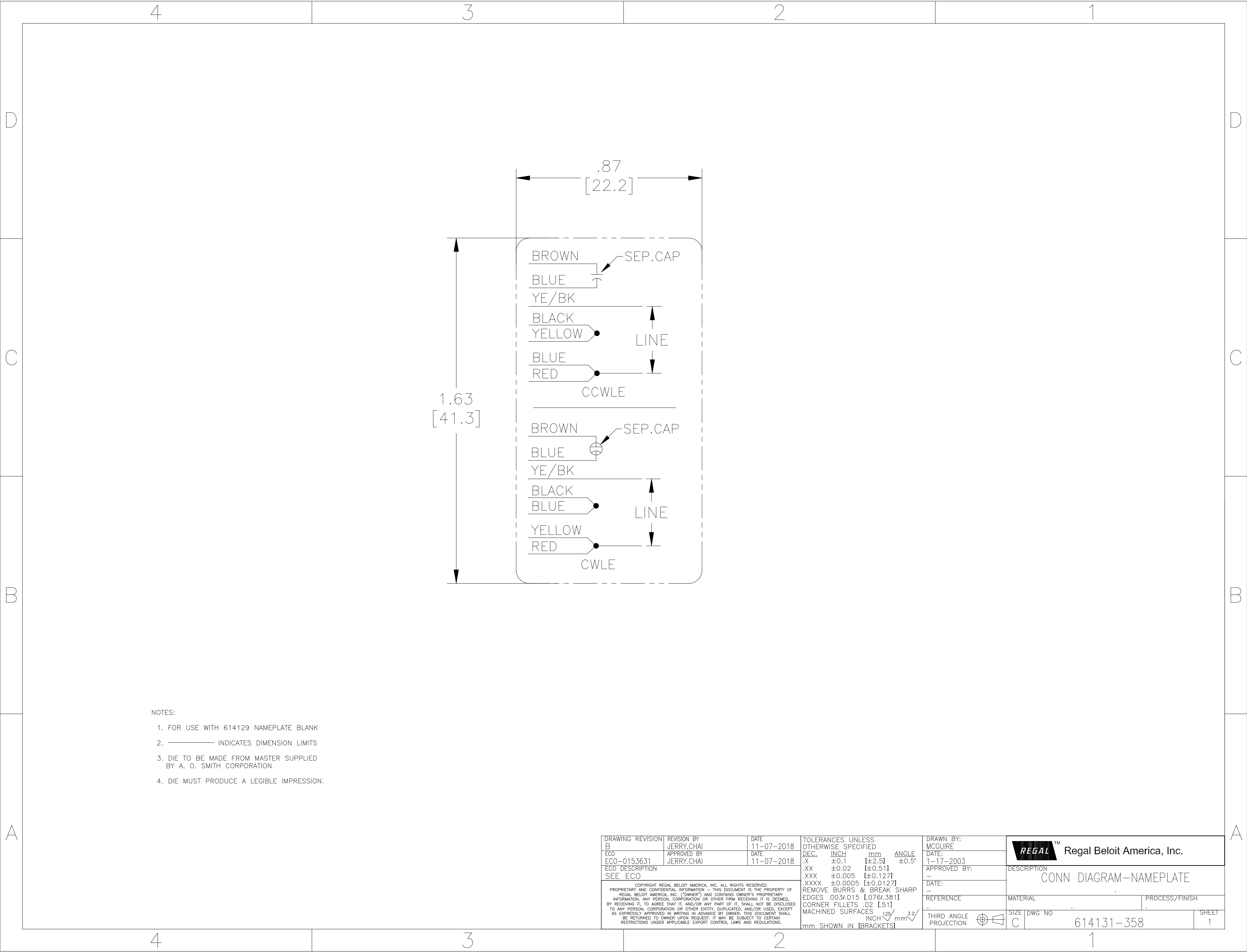
.25 [6.3]

AZUL	5.0/6.0 [127/152]	.50[12.7]	DESFORRE
CAFE	CONECTADO AL CAPACITOR	.25[6.4]	BANDERA
AZUL	CONECTADO AL CAPACITOR	.25[6.4]	BANDERA
AMARILLO/NEGRO	5.0/6.0 [127/152]	.50[12.7]	DESFORRE
NEGRO	5.0/6.0 [127/152]	.50[12.7]	DESFORRE
AMARILLO	5.0/6.0 [127/152]	.50[12.7]	DESFORRE
ROJO	5.0/6.0 [127/152]	.50[12.7]	DESFORRE
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE	

CARCASA - LOC	CERRADO
TAPA - LOC	CERRADO
CARCASA - LC	CERRADO
TAPA - LC	CERRADO

CLIENTE	DISTRIBUTION SERVICES
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4 of 6



- NOTES:
1. FOR USE WITH 614129 NAMEPLATE BLANK
 2. ——— INDICATES DIMENSION LIMITS
 3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

DRAWING REVISION B	REVISION BY JERRY CHAI	DATE 11-07-2018	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: MCGUIRE	 Regal Beloit America, Inc.
ECO ECO-0153631	APPROVED BY JERRY CHAI	DATE 11-07-2018	DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] CORNER FILLETS .02 [.51] MACHINED SURFACES .005/.015 [0.127/.381] mm SHOWN IN [BRACKETS]	DATE: 1-17-2003	
ECO DESCRIPTION SEE ECO				APPROVED BY: —	DESCRIPTION CONN DIAGRAM-NAMEPLATE
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				DATE: —	
				REFERENCE —	MATERIAL —
				THIRD ANGLE PROJECTION	PROCESS/FINISH —
				SIZE C	DWG NO 614131-358
					SHEET 1