

THORDARSON MEISSNER • Mt. Carmel, Illinois

Audio Transistor-Open Frame INCLUDES: (A) INPUT, (J) INTERSTATE, (D) DRIVER, (S) OUTPUT TO LINE. Continued

Table listing various audio transistor models with columns for Part No., Application, Impedance (Primary/Secondary), Unbal. Pct. MADC, Resistance (Primary/Secondary), Power Mfg. Watts, Mfg. Type, Mfg. Centers, Dimensions (H, W, D).

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Special Purpose-Transistor Complete instructions supplied with each unit.

Table listing special purpose transistor models with columns for Part No., Typical Application, Impedance (Primary/Secondary), Pri. MADC, Power In Watts, Mfg. Type, Mfg. Centers, Dimensions (H, W, D).

Printed Circuit - Open Frame-Transistor

300 Milliwatt MOUNTING PCT-3 WEIGHT .08LBS. INCLUDES: (A) INPUT, (J) INTERSTATE, (L) LINE TO TRANSISTOR, (S) OUTPUT. This new line of printed circuit transformers has been developed to fill the gap between the wire-in units and the molded-printed circuit type transformer.

Table listing printed circuit transformer models with columns for Part No., Turns Ratio, Impedance (Primary/Secondary), Resistance (Pri. Sec.), Application, Part No., Impedance (Pri. Sec.), Resistance (Pri. Sec.), Application.

Printed Circuit - Open Frame - Transistor

(Continued)

INCLUDES: (A) INPUT, (J) INTERSTAGE, (S) OUTPUT, (C) REACTOR, (L) LINE TO LINE.

150 Milliwatt

Table with columns: Part No., Turns, Impedance, Resistance, Application, and a list of components with their specifications.

Table with columns: Part No., Impedance, Resistance, Application, and a list of components with their specifications.

Miniature Transformers

The most complete line of top efficiency miniature transformers ever made available. These Miniature transformers are designed for a wide range of civilian and government applications.

Table with columns: Part No., Application, Impedance, Unbal. Pri. MADC, Power In MW, Resistance, Mtg. Centers, Mtg. H, Dimensions W x D.

Audio Reactor

Table with columns: Part No., Inductance, MADC, DC Res., Test Volts, Mtg Type.

Encased-Transistor Transformers

The high performance characteristics such as frequency response, high permeability lamination, and low insertion losses equal those of the more costly hermetically sealed units.

Large table with columns: Part No., Application, Impedance, Resistance, Power, Frequency, Mtg. Type, and a list of components with their specifications.

Miniature Audio Inductors

Similar operation to the military units above these units are ideally suited for coupling inductors, filters or audio suppressor applications in either transistor or tube type circuitry.

Table with columns: Part No., Series Connected, Parallel Connected, Inductance, Resistance, Mtg. Type, Dimensions W x D.

† Multiple alphas shielded †† Output to serve 1 Frequency response ±1dB ††† Frequency response ±3dB †††† Autotransformer ††††† Transformer in 2 booted leads on insulation †††††† Similar operation to the military units above these units are ideally suited for coupling inductors, filters or audio suppressor applications in either transistor or tube type circuitry.

Table with columns: Part No., Series Connected, Parallel Connected, Inductance, Resistance, Mtg. Type, Dimensions W x D.

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Input-Interstage - Driver INCLUDES: TRANSISTOR AND TUBE TYPE - MOLDED AND ENCASED

Table with columns: Part No., Enclosure, MIL-T-27B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri./Sec. Imp., Power In, Frequency Response, Case Size. Rows include models like 27A20, 27A21, 27A22, etc.

Input-Interstage - Driver

Table with columns: Part No., Enclosure, MIL-T-27B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri./Sec. Imp., Power In, Frequency Response, Case Size. Rows include models like 27A23, 27A24, 27A25, etc.

▲ This unit is shielded for 70 DB ... Secondary Current rating ... Average useable frequency range ... Width - .421, Depth - .377, Height - .310 ... Height - .212, Diameter - 1.5/8, Mounting Centers 1/5/16 x 1/5/16 ... This unit is shielded for -70 DB hum reduction

Input-Interstage - Driver

INCLUDES: TRANSISTOR AND TUBE TYPE - MOLDED AND ENCASED

Table with columns: Part No., MIL-T-27B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri. MADC, Power In MW, Frequency Response, Case Size, and Case Size. Lists various driver components like 27A30, 27A31, 27A32, etc.

Drivers

Table with columns: Part No., MIL-T-27B Classification, Application, Primary Impedance, Primary MADC, Power Output In Watts, Turns Ratio, Frequency Response, Case Size, Wt., and Lbs. Lists driver components like 27D32, 27D33, 27D34, etc.

Output

Designed and built to meet all the requirements of MIL-T-27B specifications for their specified class of operation. Listed in order of the primary impedance—this complete list of output transformers makes available under one listing a wide variety of high quality output transformers for both transistor and tube type circuitry.

Large table with columns: Part No., MIL-T-27B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri. MADC, Power In MW, Frequency Response, Case Size, and Case Size. Lists various output transformer components like 27S14, 27S15, 27S16, etc.

Outputs

INCLUDES: TRANSISTOR AND TUBE TYPE - MOLDED AND ENCASED

Large table with columns: Part No., MIL-T-27B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri. MADC, Power In MW, Frequency Response, Case Size, and Case Size. Lists various output components like 27S95, 27S96, 27S97, etc.

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Output INCLUDES: TRANSISTOR AND TUBE TYPE - MOLDED AND ENCASED. Table with columns: Part No., MIL-T-27 B Classification, Application, Impedance (Primary/Secondary), Unbal. Pri./MADC, Power In MW, Frequency Response ±20B, Case Size. Rows include parts like 27572, 275125, 275112, etc.

Chokes Table with columns: Part No., MIL-T-27 B Classification, Inductance In Henrys, MADC, Resistance In Ohms, Test Volts RMS, Case Size, Wt. Lbs. Rows include parts like 27C100, 27C101, 27C102, etc.

* Split CT Winding
† Frequency response at ±0.5B
‡ Frequency response at ±1DB

Chokes

Designed and built to meet MIL-T-27B specifications. These units provide the maximum inductance at the given current rating in a minimum size. All AJ, FA, GA, etc. case sizes are identical to MIL-T-27B specifications.

Chokes Table (continued) with columns: Part No., MIL-T-27 B Classification, Inductance In Henrys, MADC, Resistance In Ohms, Test Volts RMS, Case Size, Wt. Lbs. Rows include parts like 27C111, 27C112, 27C113, etc.

* Designed for 400 Cycle Operation
† Tolerance ±10% @ 200 V, 4,500 CPS
‡ Mounting Centers are 1/4 x 2 1/16"
† Constructed with Hum Bucking Windings
‡ Charging Choke

Chokes Table (continued) with columns: Part No., MIL-T-27 B Classification, Inductance In Henrys, MADC, Resistance In Ohms, Test Volts RMS, Case Size, Wt. Lbs. Rows include parts like 27C137, 27C138, 27C139, etc.

Dual Winding - Chokes and Inductors

Designed and built to meet MIL-1-27B specification. These units provide the medium inductance of the given current rating in a minimum size. All A1, FA, GA, etc. case sizes are identical to MIL-1-27B specifications.

Table with columns: Part No., MIL-1-27B Classification, Inductance In Henry, MADC, Reluctance In Ohm, Inductance In Henry, MADC, Reluctance In Ohm, Case Style, Wt. Lbs., etc. Lists various inductor models and their specifications.

1 500 Volt BMS Test

5 1,700 Volt BMS Test

1 1,000 Volt BMS Test

Audio Inductors

Designed and built to provide a full range of inductance and current ratings in epoxy molded, enamel, and encapsulated units from 100 pF to 500 nF, or subdivisions of ten times from 5%.

Table with columns: Part No., MIL-1-27B Classification, Inductance Henry, MADC, Reluctance Ohm, Inductance Henry, MADC, Reluctance Ohm, Case Style, Wt. Lbs., etc. Lists audio inductor models and their specifications.

Audio Inductors

These Algebraic inductors are ideally suited for load or frequency changed circuits such as low frequency oscillators, etc. They provide the most optimum load inductor-inductor load frequency circuit, high frequency and temperature stability both and these units make them a wide range of inductance values, these units require only a simple screw driver adjustment to achieve the exact inductance required for the circuit.

Table with columns: Part No., MIL-1-27B Classification, Inductance In Henry, Max. Reluctance In Ohm, Case Style, Mfg. Centers, Dimensions H, W, D, etc. Lists algebraic inductor models and their specifications.

Alignaire Inductors - Variable

These Algebraic inductors are ideally suited for load or frequency changed circuits such as low frequency oscillators, etc. They provide the most optimum load inductor-inductor load frequency circuit, high frequency and temperature stability both and these units make them a wide range of inductance values, these units require only a simple screw driver adjustment to achieve the exact inductance required for the circuit.

Table with columns: Part No., MIL-1-27B Classification, Inductance In Henry, Max. Reluctance In Ohm, Case Style, Mfg. Centers, Dimensions H, W, D, etc. Lists alignaire inductor models and their specifications.

Filament Single Secondary 50/60 CYCLES

These inductors have been designed and built to meet MIL-1-27B specification. All EB, GA, GB, etc. case sizes are identical to MIL-1-27B specifications.

Table with columns: Part No., MIL-1-27B Classification, Primary Volts, Secondary Amps, Tert-Volt BMS, Case Style, Wt. Lbs., etc. Lists filament inductor models and their specifications.

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Filament Single Secondary

50/60 CYCLES

Table with columns: Part No., MIL-T-27B Classification, Primary Voltage, Secondary Volts, Amps., Test Volts RMS, Case Size, Wt. Lbs.

1 Static Shielded 2 Terminals located opposite mounting studs # @ 60 Cycles only (a) Width: 2-5/8; Depth: 2; Height: 2-1/8; Mg. Ctn: 2-1/32

Filament Multiple Secondary

Table with columns: Part No., MIL-T-27B Classification, Primary Voltage, Secondary Volts, Amps., Test Volts RMS, Case Size, Wt. Lbs.

Filament 400 CPS OPERATION

These transformers have been designed and built to meet all requirements of MIL-T-27B for their specific class of operation. All EB, GA, GB, etc. case sizes are identical to MIL-T-27B specifications

Table with columns: Part No., MIL-T-27B Classification, Primary Voltage, Secondary Volts, Amps., Test Volts RMS, Case Size, Wt. Lbs.

†† Both windings rated 7 Amps. for industrial applications c Rated 2.5 Amps. for industrial application Two units Scott connected provide 26 Volts two phase from 115 Volts 3 phase, 400 cycle input. † Static Shielded (a) Width: 1 5/16; Depth: 1 1/2; Height: 1 7/16; Mg. Ctn: 1.687 x 1 1/2 (d) Width: 2 1/2; Depth: 2 1/8; Height: 2 1/4 Max; Mg. Ctn: 1.687 x 1 1/2

Filament Multiple Secondary

These transformers have been designed and built to meet all requirements of MIL-T-27B for their specific class of operation. All EB, GA, GB, etc. case sizes are identical to MIL-T-27B specifications

Table with columns: Part No., MIL-T-27B Classification, Primary Voltage, Secondary Volts, Amps., Test Volts RMS, Case Size, Wt. Lbs.

Power Transformers

PRIMARY 117 VOLTS 50/60 CYCLES

These units have been designed and built to all requirements of MIL-T-27B for their specific class of operation. All EB, GA, GB, etc. case sizes are identical to MIL-T-27B specifications. These units meet the requirements for circuit and mobile communications, control equipment, guided missile controls as well as marine equipment and any field where maximum sealing quality is a prime requisite.

Table with columns: Part No., MIL-T-27B Classification, Plate Volts, Supply M A D C L, Rectifier Volts, Amps., Filament Volts, Amps., Case Size, Wt. Lbs.

* Silicon Rectifier Power Transformer - See Yellow Pages for Voltage and Circuit (c) Voltage Doubler Circuit † Primary 115 V @ 60 Cycles † Primary 110 V @ 60 Cycles † Primary 115 V @ 50/60 Cycles † Reduce secondary current by 10% for 50 Cycle operation (a) To be used with full wave bridge; choke input †† Primary 115/200V @ 50 to 1,000 Cycles * Highly shielded scope transformers † C - Capacitor Input Filter L - Choke Input Filter

Output

FOR AUTOMATIC VOLUME CONTROL CIRCUITS ALL UNITS HAVE HUMBUCKING CORE AND COIL CONSTRUCTION

Table with columns: Part No., Impedance In Ohms (Primary, Secondary), Primary Inductance, DC Resistance (Primary, Secondary), Turns Ratio, Case Type, Wt. In. Oz.

Reactor

ALL UNITS HAVE HUMBUCKING CORE AND COIL CONSTRUCTION

Table with columns: Part No., Inductance In Henrys, D.C. Resistance In Ohms, Low Percentage Taps, Mtg. Type, Wt. In. Oz.

Low Frequency Transistor Transformers

Table with columns: Part No., Impedance In Ohms (Primary, Secondary), Primary Inductance, DC Resistance (Primary, Secondary), Turns Ratio, Freq. Resp. @ 5 MADC +3 dB, Case Type

1. Balanced, two windings. 2. Single coil construction. 3. Balanced, parallel windings. 4. Constructed with 5 Interleaved Cores

Band Pass Filters

These units have been designed and built to meet MIL-F-18327B for their specific class of operation and are high performance units applicable to production or laboratory communication and electronic equipment.

Large table with columns: Part No., MIL-F-18327B Classification, Center Frequency (Fc), Approximate 2 dB Attenuation (In Cycles), Attenuation At Fc/2 & 2Fc, Impedance Input/Output, Case Type, Mtg. Centers, Dimensions (H, W, D)

Telemetering Band Pass Filters

These units have been designed and built to meet MIL-F-18327B for their specific class of operation. The Steel Jacket filters in YY cases are designed with 4 pin plug-in type terminals and the Molded (ZZ) units have straight wire terminals.

Table with columns: Part No., MIL-F-18327B Classification, Center Frequency (Fc), 3dB Attenuation (% of Fc), Approx. Attenuation (Fc/2 & 2Fc), Impedance Input/Output, Case Type, Mtg. Centers, Dimensions (H, W, D)

Telemetering Band Pass Filters (Continued)

Table with columns: Part No., MIL-F-18327B Classification, Center Frequency (Fc), 3dB Bandwidth (% of Fc), Approx. Attenuation (Fc/2 & 2Fc), Impedance Input/Output, Case Type, Mtg. Centers, Dimensions (H, W, D)

Band Pass Filters 400 Cycle Power Filters

These Power filters eliminate harmonic distortion and interference caused by generator loading or external influences. Designed and built to meet all requirements of MIL-F-18327B Grade 4, Class K, these units are ideally suited for airborne or mobile application.

Table with columns: Part No., MIL-F-18327B Classification, Band Pass Filter Description

Low Pass Filters 400 Cycle Power Filters

Table with columns: Part No., MIL-F-18327B Classification, Low Pass Filter Description

Low Pass Filters

These units have been designed and built to meet MIL-F-18327B for their specified class of operation. These low pass filters may be connected in conjunction with the high pass filters to obtain almost any band pass desired.

Table with columns: Part No., MIL-F-18327B Classification, Cut-off Frequency (Fc), Attenuation 40dB At (Freq. In Cycles), Impedance Input/Output, Case Type, Mtg. Centers, Dimensions (H, W, D)

High Pass Filters

These units have been designed and built to meet MIL-F-18327B for their specified class of operation and are high performance units applicable to production or laboratory communications and electronic equipment.

Table with columns: Part No., MIL-F-18327B Classification, Cut-off Frequency (Fc), Attenuation 40dB At (Freq. In Cycles), Impedance Input/Output, Case Type, Mtg. Centers, Dimensions (H, W, D)

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MIL-T-27B Low Frequency High Q Inductors

These inductors have been designed and built to meet the requirements of MIL-T-27B for their specific class of operation. Constructed with only the highest grade materials these units have magnetic shielding as well as humpbacking construction. Designed to a Q of 40 or more on frequencies ranging from 60 to 300 cycles. Split winding termination permits series, parallel or series center tap connections, such as might be used in filters, tuned circuits or coupling inductors.

Table with columns: Part No., MIL-T-27B Classification, Series Inductance, Series Resistance, Parallel Inductance, Parallel Resistance, Mfg. Type. Rows include parts like 27C225, 27C500, 27C227, etc.

Pulse Transformers DESIGNED AND BUILT TO MEET MIL-T-21038B Tube Type

When used as coupling transformers this group of units has the following additional parameters: Overshoot ranges from 5 to 30 micro-seconds with the lower overshoot of the higher pulse widths; Output voltages of 15 to 25 volts may be expected with a normal drop of 10 to 15%; Blocking oscillator overshoots are held to less than 2%.

Table with columns: Part No., MIL-T-21038B Classification, Turns Ratio, Pulse Width, Rise Time, Impedance, Blocking Osc. Pulse Width, Blocking Osc. Rise Time, Case Type, Dimensions. Rows include parts like PUL 10, PUL 11, PUL 12, etc.

Pulse Transformers DESIGNED AND BUILT TO MEET MIL-T-21038B Transistor Type

Additional parameters for these transistor type pulse transformers are: 0% overshoots in almost all of these units; Output voltage of approximately 8 volts may be expected with no drop on units above .5 micro-seconds pulse width and approximately 15% drop on units above .2 micro-seconds pulse width, the average backswing will be 20-30% when connected in the transistor blocking oscillator circuit.

Table with columns: Part No., MIL-T-21038B Classification, Turns Ratio, Pulse Width, Rise Time, Impedance, Blocking Osc. Pulse Width, Blocking Osc. Rise Time, Case Type, Dimensions. Rows include parts like PUL 27, PUL 28, PUL 29, etc.

Pulse Transformers DESIGNED AND BUILT TO MEET MIL-T-21038B

Table with columns: Part No., MIL-T-21038B Classification, Turns Ratio, Pulse Width, Rise Time, Impedance, Case Type, Dimensions. Rows include parts like PUL 43, PUL 44, PUL 45, etc.

TRANSFORMERS

Single Plate to Line or Voice Coil

Large table with columns: Part No., Primary Impedance, Secondary Impedance, Primary MADC, Warts, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include parts like 24541, 24578, 24524, etc.

Push Pull Plates to Line or Voice Coil

Table with columns: Part No., Primary Impedance, Secondary Impedance, Balanced Pri. MADC, Warts, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include parts like 225106, 255103A, 245117, etc.

SPECIFIC APPLICATIONS:

- 255101 PP 6A57G, 6L6, 300B, 400B
255102 7027, 7355, 7581, 7688
255103 1
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Molded And Plastic Coated Toroid Inductors

Table with columns: Part No., Inductance in MH ± 2%, Resistance in Ohms, MADC For 5% Ind. Drop, Typical Center Frequency Q @, Dimensions Dia. H, Dia. W, Hole Dia., and Hole Dia. Depth. Lists various toroid inductor models like TOK 717, TOK 766, etc.

Molded And Plastic Coated Toroid Inductors

Table with columns: Part No., Inductance in MH ± 2%, Resistance in Ohms, MADC For 5% Ind. Drop, Typical Center Frequency Q @, Dimensions Dia. H, Dia. W, Hole Dia., and Hole Dia. Depth. Lists various toroid inductor models like TOK 779, TOK 7412, etc.

Encased Shielded Toroid Inductors

These high grade toroid cores have been designed and built to meet MIL-T-278, IFA8200Y specifications. They have excellent stability over a wide temperature and voltage range....low pickup....high Q.....plus or minus 1% inductance tolerance.

Table with columns: Part No., Inductance in MH ± 2%, Resistance in Ohms, MADC For 5% Ind. Drop, Typical Center Frequency Q @, Dimensions Dia. H, Dia. W, Hole Dia., and Hole Dia. Depth. Lists various shielded toroid inductor models like TOR 2784, TOR 7302, etc.

Encased Shielded Toroid Inductors

Table with columns: Part No., Inductance in mH ±1%, Resistance in Ohms ±20, MADC for 5% Inductance Drop, Typical Q @ Center Frequency, and Case Size. Lists various inductor models like TOR 7301 through TOR 7237 with their specifications.

Maximum current rating

Chokes

IN ORDER OF MADC

Table with columns: Part No., Inductance in Henrys, MADC, DC Res. in Ohms, Test Volt RMS, *Mtg Type, -Mtg. Centers, Dimensions H, W, D, and Wt. Lbs. Lists various choke models like 26C40 through 26C126 with their specifications.

Table with columns: Part No., Inductance, MADC, DC Res., Test Volt, Mtg Type, Mtg. Centers, Dimensions, and Wt. Lbs. Lists models like 26C90 through 26C66.

* High Q Choke, minimum Q is 20 for 0 up to 15 MADC. Case with Terminals on Top. Encapsulated.

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Filament Transformers with Single Secondary

Table of filament transformers with single secondary, columns include Part No., Primary Voltage, Secondary, Test Volts RMS (Sec.), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), and Wt. Lbs.

Filament Transformers with Multiple Secondary 50/60 CYCLES

Table of filament transformers with multiple secondary, 50/60 cycles, columns include Part No., Primary Voltage, Secondary, Test Volts RMS (Sec.), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), and Wt. Lbs.

Filament Transformers with Multiple Secondary 50/60 CYCLES

Table of filament transformers with multiple secondary, 50/60 cycles, columns include Part No., Primary Voltage, Secondary, Test Volts RMS (Sec.), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), and Wt. Lbs.

Power Transformers PRIMARY 117 VOLTS 50/60 CYCLES

Table of power transformers, primary 117 volts, 50/60 cycles, columns include Part No., Notes, Volts, MADC, Rectifier Fil., Other Fil., Mfg. Type, Mfg. Centers, Dimensions (H, W, D), and Wt. Lbs.

SECTION 5600

Power Transformers RIMMAY 117 VOLTS 50/60 CYCLES

Table of Power Transformers with columns: Part No., Name, Pole Supply, Exciter Ill., Other Ill., H/M/LS, Mtg., Dimensions (H, W, D, Lbs.), and Wt. Includes transformer specifications for various part numbers like 26816, 26817, 26818, etc.

Power Transformers

Table of Power Transformers with columns: Part No., Name, Pole Supply, Exciter Ill., Other Ill., H/M/LS, Mtg., Dimensions (H, W, D, Lbs.), and Wt. Includes transformer specifications for various part numbers like 26822, 26823, 26824, etc.

SECTION 5600

Power Transformers

Part	Name	High Voltage	Rated MVA	Rated Voltage	Rated Frequency	Other Voltage	MVA	Dimensions	Wt.
229107	229108	229109	229110	229111	229112	229113	229114	229115	229116
350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350
110	110	110	110	110	110	110	110	110	110
3	3	3	3	3	3	3	3	3	3
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2
3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8
4	4	4	4	4	4	4	4	4	4
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

Power Transformers

Part	Name	High Voltage	Rated MVA	Rated Voltage	Rated Frequency	Other Voltage	MVA	Dimensions	Wt.
228117	228118	228119	228120	228121	228122	228123	228124	228125	228126
350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350	350-0-350
110	110	110	110	110	110	110	110	110	110
3	3	3	3	3	3	3	3	3	3
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2	41/2
3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8	3/7/8
4	4	4	4	4	4	4	4	4	4
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

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Power Transformers PRIMARY 117 VOLTS 50/60 CYCLES. Table with columns: Part No., Notes, Plate Supply (Volts, MADC), Rectifier Fil. (Volts, Amps), Other Fil. (Volts, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

Half-Wave Power Transformers PRIMARY 117 VOLTS 50/60 CYCLES. Table with columns: Part No., Notes, Plate Wave (Volts, MADC), Filament Supply (Volts, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

Half-Wave Power Transformers PRIMARY 117 VOLTS 50/60 CYCLES. Table with columns: Part No., Notes, Plate Wave (Volts, MADC), Filament Supply (Volts, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

Photoflash Transformers. Table with columns: Part No., Primary (Volts), Secondary (Voltage, MADC), Filament (Volts, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

Half-Wave Power Transformers PRIMARY 117 VOLTS 50/60 CYCLES. Table with columns: Part No., Notes, Plate Supply (Volts, MADC), Filament Supply (Volts, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

Converter-Photoflash Transformers. Table with columns: Part No., Primary (Volts), Secondary (Voltage, Amps), Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. (Lbs.).

▲ Top chassis mounting — lead holes on side of shield • Primary tapped to produce lower secondary voltages

Multi-Tapped-Low Voltage Rectifier

SELENIUM OR SILICON RECTIFIERS PRIMARY 117 VOLTS 50/60 CYCLES

Each Selenium Rectifier Transformer listed in this section has terminal numbering and winding arrangement as shown in schematics. Primary connections are made to terminals 1, 2, 3, 4, 5, 6, and 7. The winding connected to terminals 5, 6, and 7 is a separate isolated primary winding, designed for the purpose of extending the voltage range of the transformer. This is accomplished by connecting the winding in series aiding or in series bucking with terminals 2, 3 or 4. Two identical secondary windings are connected to terminals 8 and 9 and to 10 and 11. Complete connection data supplied with each unit.

Table with columns: Part No., Rectifier Circuit, Secondary AC Volts (Approx.), Rel. or Ind. Load, Capacitive Load, Recommended Capacitor, Mfg. Centers. Rows include 23V60, 23V61, 23V62, 23V63, 23V64, 23V66, 23V65, 23V67.

* DC Voltages may vary slightly from those shown due to rectifier voltage drops, lead losses and capacitor value used.

Low Voltage Control

Table with columns: Part No., VA Output, Primary Voltage, Voltage, Amps, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include 23V153 through 23V226.

- Maximum current may be increased 40% when using any of the 3 low voltage taps.
Isolated winding
Any combination of the given voltages and currents may be used as long as the total VA does not exceed the rated VA
Any combination may be used
Unit has Internal 80°C Thermal cutout for maximum protection
† Encapsulated to meet MIL-1728

Automation Control

These units have been ruggedized to provide trouble-free performance for high speed automatic assembly equipment. Particularly well adapted to relays and pilot lamps.

Table with columns: Part No., VA Rating, Parallel, Secondary, Series, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include 23V50 through 23V54.

Control Service Transformers

D-11 - MOUNTING DOUBLE WOUND 50/60 CYCLES

WIRING DIAGRAMS AND INSTRUCTIONS are furnished with each unit. The 24 Volt and 32 Volt secondary leads have individual groundings for each stranded lead. All primary and 115 Volt secondary leads are brought out through a threaded pipe nipple for attaching control or a bushing.

APPLICATIONS: small motors and pumps, solenoids and relays, control systems, burglar alarms, heating elements, switchboards and panels, pilot lights. electrically operated valves for controlling the flow of gas or liquids.

Table with columns: Part No., VA Output, Primary Voltage, Secondary Voltage, Winding Diagram, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include G-326 through G-349.

Signaling and Power Circuit Transformers

50/60 CYCLES

Table with columns: Part No., VA Output, Primary Voltage, Secondary Voltage, Amps, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include 23V226 through 23V222.

Multi-Purpose 1:1:1:1 Isolation Control

50/60 CYCLES

This series has four isolated windings with seven possible combinations: for step-up, step-down, and isolation applications in industrial, home or laboratory use. They are particularly well adapted to 220-volt line step-down to provide 115-volt power source to operate machine tools and other automated equipment.

Table with columns: Part No., VA Output, Primary Voltage, Secondary Voltage, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include 23V34 through 23V197.

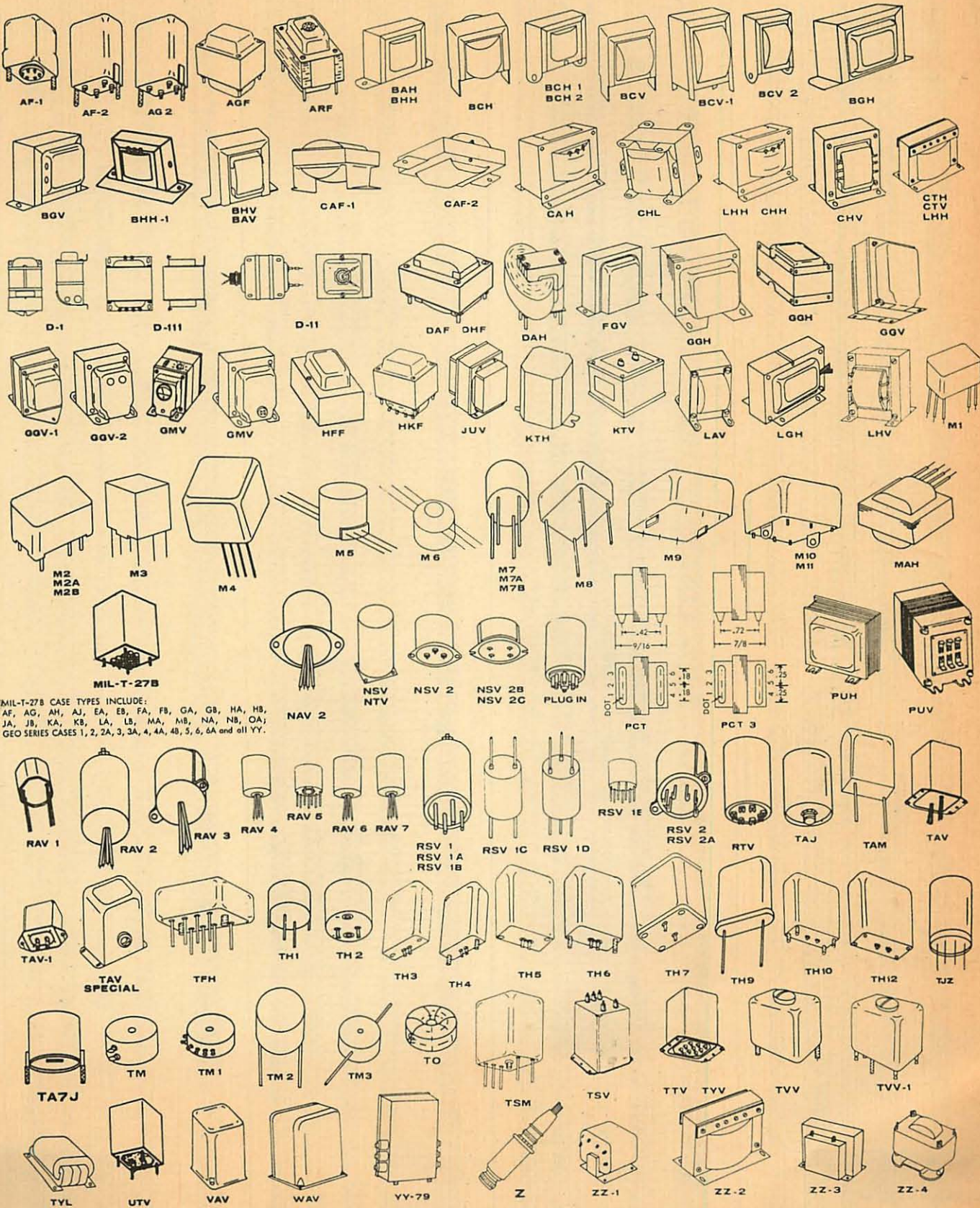
Isolation Transformers

50/60 CYCLES

Isolation control transformers provide 115 Volts power or lighting within machine tools or other automated equipment from various line voltages from 115 Volts to 600 Volts. They also permit direct grounded lighting systems or control circuits independent of power distribution grounds for greater operator safety. For complete specifications of 400 Cycle isolation transformers refer to the green section of this catalog.

Table with columns: Part No., VA Output, Primary Voltage, Secondary Voltage, Mfg. Type, Mfg. Centers, Dimensions (H, W, D), Wt. Lbs. Rows include 23V189 through 23V226.

Mounting Illustrations



MIL-T-27B CASE TYPES INCLUDE:
 AF, AG, AH, AJ, EA, EB, FA, FB, GA, GB, HA, HB,
 JA, JB, KA, KB, LA, LB, MA, MB, NA, NB, OA;
 GEO SERIES CASES 1, 2, 2A, 3, 3A, 4, 4A, 4B, 5, 6, 6A and all YY.

INDUSTRIAL NET

Table with 7 columns: Part No., NET, 5, 50, 100. Rows include parts 25A00 through 25A99.

INDUSTRIAL NET

Table with 7 columns: Part No., NET, 5, 50, 100. Rows include parts 25AA0 through 25A99.

INDUSTRIAL NET

Table with 7 columns: Part No., NET, 5, 50, 100. Rows include parts 25A100 through 25A199.

INDUSTRIAL NET

Table with 7 columns: Part No., NET, 5, 50, 100. Rows include parts 25A200 through 25A299.

SECTION 5600

Table with 16 columns: PART NO., INDUSTRIAL NET (NET and 1 to 4, 5 to 49, 50 to 99, 100 to 499), and 4 columns of values. It lists various part numbers and their corresponding industrial net specifications across multiple columns.

THORDARSON MESSNER Mt. Carmel, Illinois

THORDARSON MEISSNER • Mt. Carmel, Illinois

Table with 4 main columns for INDUSTRIAL NET, each containing sub-columns for PART NO., NET and 1 to 4, 5 to 9, 50 to 99, and 100 to 499. The table lists various part numbers and their corresponding dimensions.

F

Table with 4 main columns for INDUSTRIAL NET, each containing sub-columns for PART NO., NET and 1 to 4, 5 to 9, 50 to 99, and 100 to 499. This section lists part numbers starting with the letter 'F' and their dimensions.

SECTION 5600

Table with 4 main columns for part numbers and dimensions (NET, 5, 50, 100) under the heading 'INDUSTRIAL NET'. The table is organized into four quadrants.

THORDARSON MEISSNER • Mt. Carmel, Illinois

THORDARSON MEISSNER • Mt. Carmel, Illinois

Main table with 4 columns: INDUSTRIAL NET (NET and 1 to 4, 5 to 49, 50 to 99, 100 to 499) and PART NO. for various part numbers.

P

Sub-table under section P containing part numbers and their corresponding values.

R

Sub-table under section R containing part numbers and their corresponding values.

THORDARSON MEISSNER Mt. Carmel, Illinois

Table with 4 main columns for 'INDUSTRIAL NET' parts. Each column contains a grid of part numbers and their corresponding dimensions (NET and 5, 50, 100 to 4, 49, 99, 499).

T

SECTION 5600

INDUSTRIAL NET					INDUSTRIAL NET					INDUSTRIAL NET					INDUSTRIAL NET				
PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499
OR 927	4.86	4.12	3.84	3.38	TOR 7210	15.60	13.78	12.48	10.87	TOR 7368	10.28	8.72	8.22	7.15	TR 99	21.00	17.85	16.80	15.40
OR 928	5.53	4.71	4.43	3.84	TOR 7211	18.90	16.06	15.12	13.17	TOR 7369	11.53	9.25	8.83	7.74	TR 101	3.90	3.32	3.12	2.80
OR 929	5.87	4.82	4.54	3.94	TOR 7212	6.72	5.74	5.40	4.71	TOR 7370	10.07	8.54	8.27	7.24	TR 102	3.90	3.32	3.12	2.80
OR 930	4.32	3.67	3.40	3.00	TOR 7213	7.20	6.11	5.80	5.00	TOR 7371	11.08	9.10	8.74	7.64	TR 103	3.90	3.32	3.12	2.80
OR 941	4.32	3.67	3.40	3.00	TOR 7214	2.20	1.82	1.76	1.52	TOR 7372	12.69	10.78	10.16	8.84	TR 104	3.90	3.32	3.12	2.80
OR 942	4.49	3.67	3.47	3.19	TOR 7215	7.20	6.38	6.00	5.23	TOR 7373	3.50	3.17	3.00	2.67	TR 105	3.90	3.32	3.12	2.80
OR 943	4.05	3.44	3.25	2.85	TOR 7216	7.20	6.53	6.24	5.44	TOR 7374	11.50	9.54	9.14	8.07	TR 106	3.90	3.32	3.12	2.80
OR 944	4.86	4.13	3.89	3.38	TOR 7217	8.10	6.83	6.54	5.64	TOR 7375	15.80	13.42	12.55	11.02	TR 107	3.90	3.32	3.12	2.80
OR 945	5.13	4.38	4.10	3.56	TOR 7218	8.10	6.88	6.48	5.44	TOR 7376	7.20	6.54	6.27	5.47	TR 108	3.90	3.32	3.12	2.80
OR 946	5.87	4.82	4.54	3.94	TOR 7219	8.20	7.33	6.95	6.06	TOR 7377	9.28	8.03	7.67	6.67	TR 109	3.90	3.32	3.12	2.80
OR 947	8.04	6.74	6.44	5.63	TOR 7220	8.00	6.99	6.60	5.68	TOR 7378	9.28	8.16	7.69	6.68	TR 110	3.90	3.32	3.12	2.80
OR 948	6.88	5.80	5.51	4.78	TOR 7221	9.00	7.65	7.20	6.27	TOR 7379	8.24	7.00	6.59	5.71	TR 111	3.90	3.32	3.12	2.80
OR 949	3.91	3.23	3.13	2.74	TOR 7222	9.00	7.65	7.20	6.27	TOR 7380	9.85	8.38	7.89	6.86	TR 112	3.90	3.32	3.12	2.80
OR 950	4.05	3.44	3.25	2.85	TOR 7223	9.75	8.29	7.80	6.80	TOR 7381	8.91	7.97	7.13	6.18	TR 113	3.90	3.32	3.12	2.80
OR 951	4.49	3.67	3.47	3.00	TOR 7224	10.20	8.83	8.40	7.37	TOR 7382	9.18	7.80	7.36	6.40	TR 114	3.90	3.32	3.12	2.80
OR 952	4.49	3.67	3.47	3.00	TOR 7225	11.40	10.00	10.30	9.46	TOR 7383	9.43	8.03	7.56	6.68	TR 115	3.90	3.32	3.12	2.80
OR 953	5.25	4.49	4.21	3.68	TOR 7226	12.60	10.70	10.08	8.77	TOR 7384	9.95	8.49	7.99	6.95	TR 116	3.90	3.32	3.12	2.80
OR 954	6.07	5.25	4.97	4.21	TOR 7227	13.50	11.47	10.85	9.67	TOR 7385	10.80	9.18	8.64	7.42	TR 117	3.90	3.32	3.12	2.80
OR 955	4.18	3.55	3.35	2.91	TOR 7228	15.55	12.33	11.64	10.12	TOR 7386	11.49	9.87	9.28	8.09	TR 118	3.90	3.32	3.12	2.80
OR 956	4.45	3.79	3.56	3.10	TOR 7229	16.00	12.75	12.00	10.45	TOR 7387	12.42	10.55	9.94	8.65	TR 119	3.90	3.32	3.12	2.80
OR 957	5.40	4.59	4.29	3.74	TOR 7230	16.00	14.19	13.40	11.80	TOR 7388	13.00	11.18	11.12	9.44	TR 120	12.00	10.20	9.60	8.80
OR 958	4.86	4.13	3.89	3.38	TOR 7231	14.00	12.15	11.40	10.45	TOR 7389	12.15	10.33	9.73	8.46	TR 121	3.90	3.32	3.12	2.80
OR 959	4.99	4.25	4.00	3.47	TOR 7232	15.50	14.00	13.20	11.50	TOR 7390	12.28	10.44	9.83	8.56	TR 122	6.00	5.10	4.80	4.40
OR 960	6.21	5.68	5.42	4.51	TOR 7233	18.00	15.30	14.40	12.54	TOR 7391	12.55	10.66	10.05	8.75	TR 123	6.00	5.10	4.80	4.40
OR 961	7.00	6.45	6.20	5.19	TOR 7234	18.00	15.30	14.40	12.54	TOR 7392	17.00	15.00	14.25	12.25	TR 124	6.00	5.10	4.80	4.40
OR 962	7.02	5.97	5.62	4.87	TOR 7235	18.00	15.31	14.88	12.96	TOR 7393	13.09	11.13	10.49	9.13	TR 125	9.00	7.50	7.20	6.40
OR 963	7.29	6.19	5.80	5.06	TOR 7236	18.00	16.06	15.12	13.17	TOR 7394	13.36	11.30	10.70	9.35	TR 126	9.00	7.50	7.20	6.40
OR 964	7.00	6.45	6.20	5.19	TOR 7237	18.00	16.06	15.12	13.17	TOR 7395	13.36	11.30	10.70	9.35	TR 127	9.00	7.50	7.20	6.40
OR 965	8.50	7.23	6.80	5.90	TOR 7238	21.60	18.32	17.28	15.03	TOR 7396	13.90	11.83	11.11	9.69	TR 128	9.00	7.50	7.20	6.40
OR 966	9.05	7.79	7.25	6.31	TOR 7239	13.00	11.45	10.40	9.06	TOR 7397	14.44	12.47	11.56	10.08	TR 129	9.00	7.50	7.20	6.40
OR 967	8.00	6.97	6.54	5.55	TOR 7240	13.50	11.46	10.80	9.30	TOR 7398	14.98	12.97	11.98	10.42	TR 130	9.00	7.50	7.20	6.40
OR 968	10.80	9.18	8.44	7.25	TOR 7241	6.00	5.45	5.10	4.40	TOR 7399	8.91	7.97	7.13	6.18	TR 131	9.00	7.50	7.20	6.40
OR 969	11.74	9.98	9.40	8.19	TOR 7242	4.65	4.20	4.10	3.55	TOR 7400	16.47	14.00	13.17	11.40	TR 132	9.00	7.50	7.20	6.40
OR 970	9.72	8.25	7.77	6.74	TOR 7243	15.50	12.75	12.00	10.45	TOR 7401	17.55	14.92	14.05	12.23	TR 133	9.00	7.50	7.20	6.40
OR 971	9.9	8.38	7.89	6.85	TOR 7244	7.32	6.24	5.88	5.17	TOR 7402	22.68	19.21	18.15	15.81	TR 134	9.00	7.50	7.20	6.40
OR 972	10.12	8.60	8.09	7.08	TOR 7245	10.45	9.20	8.84	7.64	TOR 7403	11.44	9.60	9.08	7.90	TR 135	9.00	7.50	7.20	6.40
OR 973	10.53	8.95	8.42	7.33	TOR 7246	20.60	17.51	16.48	14.37	TOR 7404	11.47	9.76	9.18	8.00	TR 136	9.00	7.50	7.20	6.40
OR 974	10.80	9.18	8.44	7.25	TOR 7247	12.15	10.38	9.71	8.48	TOR 7405	11.74	9.98	9.40	8.18	TR 137	9.00	7.50	7.20	6.40
OR 975	10.80	9.18	8.44	7.25	TOR 7248	12.15	10.38	9.71	8.48	TOR 7406	12.15	10.38	9.71	8.48	TR 138	9.00	7.50	7.20	6.40
OR 976	10.93	9.30	8.75	7.61	TOR 7249	6.25	5.74	5.40	4.68	TOR 7407	12.55	10.47	10.05	8.75	TR 139	9.00	7.50	7.20	6.40
OR 977	11.20	9.52	8.95	7.81	TOR 7250	6.25	5.74	5.40	4.68	TOR 7408	11.74	9.98	9.40	8.18	TR 140	9.00	7.50	7.20	6.40
OR 978	9.98	8.38	7.89	6.85	TOR 7251	7.02	5.97	5.62	4.88	TOR 7409	12.55	10.47	10.05	8.75	TR 141	9.00	7.50	7.20	6.40
OR 979	11.74	9.98	9.40	8.19	TOR 7252	7.02	5.97	5.62	4.88	TOR 7410	12.55	10.47	10.05	8.75	TR 142	9.00	7.50	7.20	6.40
OR 980	12.82	10.90	10.26	8.93	TOR 7253	7.29	6.19	5.83	5.06	TOR 7411	13.36	11.30	10.70	9.35	TR 143	9.00	7.50	7.20	6.40
OR 981	13.77	11.70	11.00	9.58	TOR 7254	7.29	6.19	5.83	5.06	TOR 7412	13.50	11.48	10.80	9.41	TR 144	9.00	7.50	7.20	6.40
OR 982	12.42	10.42	9.72	8.30	TOR 7255	7.44	6.44	6.05	5.12	TOR 7413	13.50	11.48	10.80	9.41	TR 145	9.00	7.50	7.20	6.40
OR 983	19.98	16.97	15.97	13.92	TOR 7256	7.55	6.42	6.05	5.14	TOR 7414	15.23	13.20	12.43	11.02	TR 146	9.00	7.50	7.20	6.40
OR 984	6.50	5.61	5.38	4.84	TOR 7257	7.29	6.19	5.83	5.06	TOR 7415	16.61	14.11	13.30	11.87	TR 147	9.00	7.50	7.20	6.40
OR 985	6.50	5.61	5.38	4.84	TOR 7258	7.29	6.19	5.83	5.06	TOR 7416	21.24	18.47	17.40	15.10	TR 148	9.00	7.50	7.20	6.40
OR 986	7.74	6.13	5.84	5.14	TOR 7259	7.29	6.19	5.83	5.06	TOR 7417	8.45	7.40	7.02	6.17	TR 149	9.00	7.50	7.20	6.40
OR 987	6.50	5.61	5.38	4.84	TOR 7260	7.55	6.42	6.05	5.14	TOR 7418	6.48	5.51	5.18	4.41	TR 150	6.00	5.10	4.80	4.40
OR 988	7.80	6.43	6.04	5.22	TOR 7261	7.83	6.65	6.26	5.43	TOR 7419	6.75	5.72	5.38	4.70	TR 151	6.00	5.10	4.80	4.40
OR 989	6.43	5.61	5.38	4.84	TOR 7262	6.43	5.65	5.26	4.43	TOR 7420	6.75	5.72	5.38	4.70	TR 152	6.00	5.10	4.80	4.40
OR 990	7.80	6.43	6.04	5.22	TOR 7263	8.10	6.88	6.48	5.44	TOR 7421	6.75	5.72	5.38	4.70	TR 153	6.00	5.10	4.80	4.40
OR 991	7.80	6.43	6.04	5.22	TOR 7264	6.75	5.74	5.40	4.68	TOR 7422	7.56	6.42	6.04	5.27	TR 154	6.00	5.10	4.80	4.40
OR 992	7.80	6.43	6.04	5.22	TOR 7265	6.75													

INDUSTRIAL NET					INDUSTRIAL NET					INDUSTRIAL NET					INDUSTRIAL NET					INDUSTRIAL NET				
PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499	PART NO.	NET and 1 to 4	5 to 49	50 to 99	100 to 499
TR 256	4.50	3.85	3.60	3.20	TR 403	3.21	3.32	3.12	2.73	ZV271	24.00	20.40	19.20	17.40	ZV218	12.00	10.20	9.60	8.70	WC 14	1.50			
TR 259	3.00	2.55	2.40	2.00	TR 403	4.05	3.45	3.25	2.83	ZV272	12.00	10.20	9.60	8.80	ZV221	12.00	10.20	9.60	8.80	WC 15	1.50			
TR 260	4.50	3.85	3.60	3.20	TR 404	4.18	3.55	3.34	2.91	ZV273	60.00	51.00	48.00	44.00	ZV222	105.00	89.20	84.00	77.00	WC 16	1.50			
TR 261	4.50	3.85	3.60	3.20	TR 405	3.78	3.22	2.95	2.54	ZV274	18.00	15.30	14.40	13.20	ZV223	12.00	10.20	9.60	8.80	WC 17	1.50			
TR 262	4.50	3.85	3.60	3.20	TR 406	3.91	3.32	3.12	2.73	ZV275	18.00	15.30	14.40	13.20	ZV224	12.00	10.20	9.60	8.80	WC 18	1.50			
TR 263	4.50	3.85	3.60	3.20	TR 407	3.91	3.32	3.12	2.73	ZV276	15.00	12.75	12.00	11.00	ZV225	12.00	10.20	9.60	8.80	WC 19	1.80			
TR 264	3.90	3.27	3.12	2.80	TR 408	3.51	2.99	2.84	2.44	ZV277	8.40	7.15	6.80	6.40	ZV226	12.00	10.20	9.60	8.80	WC 20	2.55			
TR 265	3.90	3.27	3.12	2.80	TR 409	3.78	3.22	2.95	2.54	ZV278	8.40	7.15	6.80	6.40	ZV227	12.00	10.20	9.60	8.80	WC 21	2.55			
TR 266	3.90	3.27	3.12	2.80	TR 410	4.05	3.45	3.25	2.83	ZV279	3.75	3.19	3.00	2.75	ZV228	12.00	10.20	9.60	8.80	WC 22	2.55			
TR 267	4.50	3.85	3.60	3.20	TR 411	4.05	3.45	3.25	2.83	ZV280	6.00	5.10	4.80	4.40	ZV229	12.00	10.20	9.60	8.80	WC 23	1.80			
TR 268	4.50	3.85	3.60	3.20	TR 412	4.18	3.55	3.34	2.91	ZV281	6.00	5.10	4.80	4.40	ZV230	12.00	10.20	9.60	8.80	WC 24	1.80			
TR 269	18.00	15.30	14.40	13.20	TR 413	3.45	3.11	2.93	2.55	ZV282	7.50	6.15	5.76	5.34	ZV231	12.00	10.20	9.60	8.80	WC 25	1.80			
TR 270	18.00	15.30	14.40	13.20	TR 414	4.18	3.55	3.34	2.91	ZV283	7.50	6.15	5.76	5.34	ZV232	12.00	10.20	9.60	8.80	WC 26	1.80			
TR 271	18.00	15.30	14.40	13.20	TR 415	3.91	3.32	3.12	2.73	ZV284	21.00	17.85	16.80	15.40	ZV233	12.00	10.20	9.60	8.80	WC 27	1.80			
TR 272	18.00	15.30	14.40	13.20	TR 416	3.78	3.22	3.01	2.62	ZV285	42.00	35.70	33.60	30.80	ZV234	12.00	10.20	9.60	8.80	WC 28	1.80			
TR 273	18.00	15.30	14.40	13.20	TR 417	4.05	3.44	3.24	2.83	ZV286	6.00	5.10	4.80	4.40	ZV235	12.00	10.20	9.60	8.80	WC 29	1.80			
TR 274	18.00	15.30	14.40	13.20	TR 418	4.18	3.55	3.34	2.91	ZV287	6.00	5.10	4.80	4.40	ZV236	12.00	10.20	9.60	8.80	WC 30	1.80			
TR 275	18.00	15.30	14.40	13.20	TR 419	4.18	3.55	3.34	2.91	ZV288	48.00	40.20	38.40	35.20	ZV237	12.00	10.20	9.60	8.80	WC 31	1.80			
TR 276	12.00	10.20	9.60	8.80	TR 420	4.05	3.44	3.24	2.83	ZV289	48.00	40.20	38.40	35.20	ZV238	12.00	10.20	9.60	8.80	WC 32	1.80			
TR 277	12.00	10.20	9.60	8.80	TR 421	3.91	3.33	3.13	2.74	ZV290	18.00	15.30	14.40	13.20	ZV239	12.00	10.20	9.60	8.80	WC 33	1.80			
TR 278	18.00	15.30	14.40	13.20	TR 422	4.18	3.55	3.34	2.91	ZV291	18.00	15.30	14.40	13.20	ZV240	12.00	10.20	9.60	8.80	WC 34	1.80			
TR 279	18.00	15.30	14.40	13.20	TR 423	4.18	3.55	3.34	2.91	ZV292	10.50	8.92	8.40	7.70	ZV241	12.00	10.20	9.60	8.80	WC 35	2.10			
TR 280	15.00	12.75	12.00	11.00	TR 424	4.05	3.44	3.24	2.83	ZV293	10.50	8.92	8.40	7.70	ZV242	12.00	10.20	9.60	8.80					
TR 281	15.00	12.75	12.00	11.00	TR 425	4.45	3.79	3.56	3.10	ZV294	18.00	15.30	14.40	13.20	ZV243	12.00	10.20	9.60	8.80					
TR 282	15.00	12.75	12.00	11.00	TR 426	3.91	3.33	3.13	2.74	ZV295	10.50	8.92	8.40	7.70	ZV244	12.00	10.20	9.60	8.80					
TR 283	15.00	12.75	12.00	11.00	TR 427	4.18	3.55	3.34	2.91	ZV296	10.50	8.92	8.40	7.70	ZV245	12.00	10.20	9.60	8.80					
TR 284	15.00	12.75	12.00	11.00	TR 428	4.45	3.79	3.56	3.10	ZV297	10.50	8.92	8.40	7.70	ZV246	12.00	10.20	9.60	8.80					
TR 285	15.00	12.75	12.00	11.00	TR 429	3.78	3.21	3.02	2.63	ZV298	6.00	5.10	4.80	4.40	ZV247	12.00	10.20	9.60	8.80					
TR 286	15.00	12.75	12.00	11.00	TR 430	3.78	3.21	3.02	2.63	ZV299	6.00	5.10	4.80	4.40	ZV248	12.00	10.20	9.60	8.80					
TR 287	12.00	10.20	9.60	8.80	TR 431	3.51	2.98	2.81	2.44	ZV300	6.00	5.10	4.80	4.40	ZV249	12.00	10.20	9.60	8.80					
TR 288	12.00	10.20	9.60	8.80	TR 432	3.51	2.98	2.81	2.44	ZV301	6.00	5.10	4.80	4.40	ZV250	12.00	10.20	9.60	8.80					
TR 289	12.00	10.20	9.60	8.80	TR 433	3.51	2.98	2.81	2.44	ZV302	6.00	5.10	4.80	4.40	ZV251	12.00	10.20	9.60	8.80					
TR 290	12.00	10.20	9.60	8.80	TR 434	3.51	2.98	2.81	2.44	ZV303	6.00	5.10	4.80	4.40	ZV252	12.00	10.20	9.60	8.80					
TR 291	12.00	10.20	9.60	8.80	TR 435	3.51	2.98	2.81	2.44	ZV304	6.00	5.10	4.80	4.40	ZV253	12.00	10.20	9.60	8.80					
TR 292	12.00	10.20	9.60	8.80	TR 436	3.51	2.98	2.81	2.44	ZV305	6.00	5.10	4.80	4.40	ZV254	12.00	10.20	9.60	8.80					
TR 293	12.00	10.20	9.60	8.80	TR 437	3.51	2.98	2.81	2.44	ZV306	6.00	5.10	4.80	4.40	ZV255	12.00	10.20	9.60	8.80					
TR 294	12.00	10.20	9.60	8.80	TR 438	3.51	2.98	2.81	2.44	ZV307	6.00	5.10	4.80	4.40	ZV256	12.00	10.20	9.60	8.80					
TR 295	12.00	10.20	9.60	8.80	TR 439	3.51	2.98	2.81	2.44	ZV308	6.00	5.10	4.80	4.40	ZV257	12.00	10.20	9.60	8.80					
TR 296	12.00	10.20	9.60	8.80	TR 440	3.51	2.98	2.81	2.44	ZV309	6.00	5.10	4.80	4.40	ZV258	12.00	10.20	9.60	8.80					
TR 297	12.00	10.20	9.60	8.80	TR 441	3.51	2.98	2.81	2.44	ZV310	6.00	5.10	4.80	4.40	ZV259	12.00	10.20	9.60	8.80					
TR 298	12.00	10.20	9.60	8.80	TR 442	3.51	2.98	2.81	2.44	ZV311	6.00	5.10	4.80	4.40	ZV260	12.00	10.20	9.60	8.80					
TR 299	12.00	10.20	9.60	8.80	TR 443	3.51	2.98	2.81	2.44	ZV312	6.00	5.10	4.80	4.40	ZV261	12.00	10.20	9.60	8.80					
TR 300	12.00	10.20	9.60	8.80	TR 444	3.51	2.98	2.81	2.44	ZV313	6.00	5.10	4.80	4.40	ZV262	12.00	10.20	9.60	8.80					
TR 301	12.00	10.20	9.60	8.80	TR 445	3.51	2.98	2.81	2.44	ZV314	6.00	5.10	4.80	4.40	ZV263	12.00	10.20	9.60	8.80					
TR 302	12.00	10.20	9.60	8.80	TR 446	3.51	2.98	2.81	2.44	ZV315	6.00	5.10	4.80	4.40	ZV264	12.00	10.20	9.60	8.80					
TR 303	12.00	10.20	9.60	8.80	TR 447	3.51	2.98	2.81	2.44	ZV316	6.00	5.10	4.80	4.40	ZV265	12.00	10.20	9.60	8.80					
TR 304	12.00	10.20	9.60	8.80	TR 448	3.51	2.98	2.81	2.44	ZV317	6.00	5.10	4.80	4.40	ZV266	12.00	10.20	9.60	8.80					
TR 305	12.00	10.20	9.60	8.80	TR 449	3.51	2.98	2.81	2.44	ZV318	6.00	5.10	4.80	4.40	ZV267	12.00	10.20	9.60	8.80					
TR 306	12.00	10.20	9.60	8.80	TR 450	3.51	2.98	2.81	2.44	ZV319	6.00	5.10	4.80	4.40	ZV268	12.00	10.20	9.60	8.80					
TR 307	12.00	10.20	9.60	8.80	TR 451	3.51	2.98	2.81	2.44	ZV320	6.00	5.10	4.80	4.40	ZV269	12.00	10.20	9.60	8.80					
TR 308	12.00	10.20	9.60	8.80	TR 452	3.51	2.98	2.81	2.44	ZV321	6.00	5.10	4.80	4.40	ZV270	12.00	10.20	9.60	8.80					
TR 309	12.00	10.20	9.60	8.80	TR 453	3.51	2.98	2.81	2.44	ZV322	6.00	5.10	4.80	4.40	ZV271	12.00	10.20	9.60	8.80					
TR 310	12.00	10.20	9.60	8.80	TR 454	3.51	2.98	2.81	2.44	ZV323	6.00	5.10	4.80	4.40	ZV272	12.00	10.20	9.60	8.80					
TR 311	12.00	10.20	9.60	8.80	TR 455	3.51	2.98	2.81	2.44	ZV324	6.00	5.10	4.80	4.40	ZV273	12.00	10.20	9.60	8.80					
TR 312	12.00	10.20	9.60</																					

THORDARSON MEISSNER (T-M)

Cross Reference To Competitor XR-64-T5

PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M
A-1X 20A35	EA-100 TOR 864	EK-4000 TOR 923	F-9A 21F64	G-92 GEO 59	HSM-309 27C200***
A-4X 20A08	EA-100A TOR 764	EK-4000A TOR 7123	F-9U 21F65	G-101 GEO 15	HSM-315 27C76
A-5X 20A09	EA-150 TOR 865	EK-5000 TOR 924	F-10U 21F60	G-101TS GEO 77	HSM-319 27C36
A-6X 20A12	EA-150A TOR 765	EK-5000A TOR 7124	F-11U 21F67	G-150 GEO 44	HS-331 27C70
A-7J 20A15	EA-200 TOR 866	EK-7000 TOR 925	F-12X 21F63	G-155 GEO 45	HS-333 27C71
A-9J 25A100	EA-200A TOR 766	EK-7000A TOR 7125	F-13X 21F21	G-183 GEO 60	HS-335 27C73
A-10J 25A101	EA-250 TOR 867	EK-10000 TOR 926	F-14X 21F09	G-201 GEO 16	HS-339 27C75
A-11J 25A102	EA-250A TOR 767	EK-10000A TOR 7126	F-15U 26F66	G-235 GEO 29	HS-341 27C34
A-12J 25A103	EA-300 TOR 868	EK-20000 TOR 927	F-16X 21F10	G-250 GEO 45	HS-401 27B62
A-13J 25A104	EA-300A TOR 768	EK-20000A TOR 7127	F-17U 21F76	G-255 GEO 45	HS-402 27B31
A-21X 20A80	EA-400 TOR 869	EK-30000 TOR 928	F-18A 21F42*	G-266 GEO 52	HS-405 27B32
A-23X 20A80	EA-400A TOR 769	EK-30000A TOR 7128	F-18X 21F72*	G-274 GEO 52	HS-407 27B33
A-31X 20A18	EA-500 TOR 870	EK-40000 TOR 929	F-19X 21F73	G-275 GEO 53	HS-409 27B34
A-33X 20A22	EA-500A TOR 770	EK-40000A TOR 7129	F-20U 21F75	G-276 GEO 54	HS-413 27B35
A-35A 20A23*	EA-600 TOR 871	EM-001 TOR 800	F-21A 21F74	G-284 GEO 61	HS-415 27B36
A-39A 20A17	EA-600A TOR 771	EM-001A TOR 700	F-22A 21F77	G-285 GEO 62	HS-417 27B37
A-40J 25A110	EA-700 TOR 872	EM-002 TOR 801	F-23U 21F28*	G-301 GEO 17	HS-425 27B35
A-41J 25A111	EA-700A TOR 772	EM-002A TOR 701	F-24U 21F78	G-306 GEO 18	HS-427 27B36
A-42Z 20A14	EA-1000 TOR 874	EM-003 TOR 802	F-25X 26F67A	G-313 GEO 19	HS-433 27B17
A-50J 25S68	EA-1000A TOR 774	EM-003A TOR 702	F-26X 21F81	G-315 GEO 20	HS-435 27B18
A-51X 22S75	EC-001 TOR 875	EM-004 TOR 803	F-27U 21F79	G-335 GEO 30	HS-438 27B14
A-52J 25A105	EC-001A TOR 775	EM-004A TOR 703	F-28U 21F85	G-336 GEO 31	HS-438 27B16
A-53X 24S114	EC-002 TOR 876	EM-005 TOR 804	F-29J 21F68	G-350 GEO 46	HS-441 27B19
A-55J 25S69	EC-002A TOR 776	EM-005A TOR 704	F-30A 21F86	G-355 GEO 47	HS-442 27B21
A-56J 25S67	EC-003 TOR 877	EM-007 TOR 805	F-32A 21F87	G-388 GEO 64	HS-443 27B20
A-57J 25A112	EC-003A TOR 777	EM-007A TOR 705	F-34A 21F88	G-389 GEO 65	HS-444 27B22
A-64J 25A106	EC-004 TOR 878	EM-010 TOR 806	F-36A 21F24	G-391 GEO 66	HS-445 27B15
A-65J 25S70	EC-004A TOR 778	EM-010A TOR 706	F-38A 21F89	G-394 GEO 67	HS-447 27B54
A-66J 25S71	EC-005 TOR 879	EM-015 TOR 807	F-40X 21F82	G-401 GEO 21	HS-471 27B55
A-67J 25A113	EC-005A TOR 779	EM-015A TOR 707	F-41X 21F83	G-435 GEO 32	HS-472 27B56
A-68J 25S72	EC-007 TOR 880	EM-020 TOR 808	F-42A 21F90	G-435TS GEO 36	HS-474 27B57
A-69J 25S73	EC-007A TOR 780	EM-020A TOR 708	F-43X 21F71	G-437 GEO 33	HS-475 27B58
A-70J 25A107	EC-010 TOR 881	EM-025 TOR 809	F-44X 26F67	G-437TS GEO 87	JAF-1 27A81
A-77J 25C10	EC-010A TOR 781	EM-025A TOR 709	F-45X 21F84	G-455 GEO 48	JAF-2 27A82
A-78J 25S74	EC-015 TOR 882	EM-030 TOR 810	F-47U 23V100	G-475 GEO 55	JAF-3 27A83
A-79J 25A108	EC-015A TOR 782	EM-030A TOR 710	F-48U 23V101	G-493 GEO 63	JAF-5 27A84
A-81X 20D88	EC-020 TOR 883	EM-040 TOR 811	F-49U 23V102	HC-25 27V47	JAF-11 27A85
A-83X 20D89	EC-020A TOR 783	EM-040A TOR 711	F-50X 26F65	HC-115 27V48	JAF-12 27A86
A-85X 20D86	EC-030 TOR 884	EM-050 TOR 812	F-51X 21F69	HC-300 27V49	JAF-13 27A15
A-200P 25A115	EC-030A TOR 784	EM-050A TOR 712	F-52X 26F66	H-1 27A70	JAF-14 27A87
A-20ZP 25A115	EC-040 TOR 885	EM-060 TOR 813	F-53X 21F70	HS-3 27A72	JAF-15 27A88
C-1X 20C05	EC-040A TOR 785	EM-060A TOR 713	F-60U 23V103	HS-4 27A73	JAF-21 27B80
C-2X 20C102	EC-050 TOR 886	EM-070 TOR 814	F-61U 23V104	HS-5 27A75	JAF-22 27B81
C-3X 20C06	EC-050A TOR 786	EM-070A TOR 714	F-62U 23V108	HS-8 27A76	JAF-23 27B82
C-4X 20C47	EC-070 TOR 887	EM-100 TOR 815	F-63U 23V106	HS-11 27A71	JAF-24 27A89
C-5X 20C53	EC-070A TOR 787	EM-100A TOR 715	F-64U 23V107	HS-14 27A14	JAF-25 27B83
C-6X 20C59**	EC-100 TOR 888	EM-150 TOR 816	F-65U 23V110	HS-15 27A74	JAF-26 27B84
C-7X 20C06	EC-100A TOR 788	EM-150A TOR 716	F-66U 23V111	HS-23 27A77	JAF-31 27A90
C-8X 20C48	EC-100 TOR 889	EM-200 TOR 817	F-67U 23V105	HS-25 27A78	JAF-32 27B85
C-9X 20C07	EC-200A TOR 789	EM-200A TOR 717	F-68U 23V109	HS-29 27A11	JAF-33 27A91
C-10X 20C09	EC-250 TOR 890	EM-250 TOR 818	F-71U 21F58*	HS-31 27A80	JAF-34 27A92
C-11X 20C08	EC-250A TOR 789	EM-250A TOR 718	F-72Z 21F31	HS-32 27A13	JAF-35 27A93
C-12A 20C10	EC-300 TOR 891	EM-300 TOR 819	F-79U 23V112	HS-35 27A79	JAF-102 27C68
C-12X 20C11	EC-300A TOR 791	EM-300A TOR 719	F-80U 23V113	HS-50 27S17	JO-21 27S27
C-13X 20C12	EC-400 TOR 892	EM-400 TOR 820	F-83A 21F91	HS-52 27S75	JO-22 27S28
C-14A 20C13	EC-400A TOR 792	EM-400A TOR 720	F-90X 23V116	HS-54 27S76	JZ-1 27A94
C-14X 20C14	EC-500 TOR 893	EM-500 TOR 821	F-91X 23V117	HS-56 27S77	JZ-5 27A95
C-15A 20C15	EC-500A TOR 793	EM-500A TOR 721	F-92A 23V119	HS-58 27S79	JZ-7 27A96
C-15X 20C16	EC-600 TOR 894	EM-700 TOR 822	F-93X 23V118	HS-60 27S73	JZ-13 27A97
C-16A 26C45	EC-600A TOR 794	EM-700A TOR 722	F-94X 23V115	HS-61 27S74	JZ-15 27A98
C-17X 26C93	EC-700 TOR 895	EM-1000 TOR 823	F-102X 23V03	HS-66 27S78	JZ-25 27S86
C-18A 20C17	EC-700A TOR 795	EM-1000A TOR 723	F-104U 23V04	HS-79 27S79	V-1X 21A73
C-19A 20C18	EC-1000 TOR 896	EM-1000A TOR 724	G-1 GEO 2	HS-75 27S70	V-3X 21A75
C-20A 20C22	EC-1000A TOR 796	EM-1000A TOR 724	G-2 GEO 2	HS-77 27S72	M-42 21A55
C-21X 26C43	EC-1500 TOR 897	EM-1500 TOR 825	G-3 GEO 3	HS-79 27S74	M-5Z 21A74
C-22A 20C23	EC-1500A TOR 797	EM-1500A TOR 725	G-4 GEO 4	HS-81 27S76	M-6X 21A76
C-23X 26C44***	EC-2000 TOR 898	EM-2000 TOR 826	G-5 GEO 5	HS-82 27S77	M-7AL 21A77
C-24X 26C76	EC-2000A TOR 798	EM-2000A TOR 726	G-6 GEO 6	HS-84 27S79	M-12AL 21A62A
C-25A 20C19	EC-3000 TOR 899	EM-3000 TOR 827	G-7 GEO 7	HS-88 27S81	M-15A 21A71
C-26X 20C62	EC-3000A TOR 799	EM-3000A TOR 727	G-8 GEO 8	HS-91 27S83	M-16AL 21A61A
C-27X 26C77	EC-4000 TOR 900	EM-4000 TOR 828	G-9 GEO 9	HS-94 27S85	N-1X 23V79
C-28X 26C78	EC-4000A TOR 799	EM-4000A TOR 728	G-10 GEO 10	HS-98 27S87	N-3M 23V81
C-29X 20C21	EC-5000 TOR 901	EM-5000 TOR 829	G-11 GEO 11	HS-101 27S89	N-4AM 23V82
C-30X 20C20	EC-5000A TOR 799	EM-5000A TOR 729	G-12 GEO 12	HS-104 27S91	N-5M 23V23
C-31A 20C30	EC-7000 TOR 902	EM-7000 TOR 830	G-13 GEO 13	HS-107 27S93	N-7M 23V78
C-32AL 20C32	EC-7000A TOR 799	EM-7000A TOR 730	G-14 GEO 14	HS-109 27S95	N-9M 23V84
C-33A 20C31	EC-10000 TOR 903	EM-10000 TOR 831	G-15 GEO 15	HS-112 27S97	N-11M 23V120
C-34X 26C79	EC-10000A TOR 799	EM-10000A TOR 731	G-16 GEO 16	HS-119 27S99	N-3AX 23V77
C-35A 20C53	EK-010 TOR 904	EO-020 TOR 832	G-17 GEO 17	HS-122 27S99	N-35M 23V76
C-36X 26C80	EK-010A TOR 794	EO-020A TOR 732	G-18 GEO 18	HS-125 27S99	N-50M 23V07
C-38AL 20C34	EK-020 TOR 905	EO-025 TOR 833	G-19 GEO 19	HS-128 27S99	N-51X 23V17
C-39A 20C41	EK-020A TOR 794	EO-025A TOR 733	G-20 GEO 20	HS-131 27S99	N-52M 23V57
C-40X 26C81	EK-030 TOR 906	EO-030 TOR 834	G-21 GEO 21	HS-134 27S99	N-53M 23V18
C-42AL 20C20	EK-030A TOR 794	EO-030A TOR 734	G-22 GEO 22	HS-137 27S99	N-54M 23V49
C-43X 20C29	EK-040 TOR 907	EO-040 TOR 835	G-23 GEO 23	HS-140 27S99	N-55M 23V58
C-45AL 20C24	EK-040A TOR 794	EO-040A TOR 735	G-24 GEO 24	HS-143 27S99	N-56M 23V55
C-47U 20C25	EK-050 TOR 908	EO-050 TOR 836	G-25 GEO 25	HS-146 27S99	N-57M 23V44*
C-48U 20C26	EK-050A TOR 794	EO-050A TOR 736	G-26 GEO 26	HS-149 27S99	N-62AC 23V39*
C-49U 20C27	EK-050 TOR 909	EO-050 TOR 837	G-27 GEO 27	HS-152 27S99	N-64AC 23V38*
EA-001 TOR 848	EK-060 TOR 909	EO-060 TOR 838	G-28 GEO 28	HS-155 27S99	N-66A 23V94
EA-001A TOR 748	EK-060A TOR 794	EO-060A TOR 737	G-29 GEO 29	HS-158 27S99	N-67A 23V74
EA-002 TOR 849	EK-080 TOR 910	EO-080 TOR 839	G-30 GEO 30	HS-161 27S99	N-68X 23V80
EA-002A TOR 749	EK-080A TOR 794	EO-080A TOR 738	G-31 GEO 31	HS-164 27S99	N-73A 23V59
EA-003 TOR 850	EK-100 TOR 911	EO-100 TOR 839	G-32 GEO 32	HS-167 27S99	N-409A 23V95
EA-003A TOR 750	EK-100A TOR 794	EO-100A TOR 739	G-33 GEO 33	HS-170 27S99	N-470A 23V96
EA-004 TOR 851	EK-120 TOR 912	EO-120 TOR 840	G-34 GEO 34	HS-173 27S99	N-471A 23V133
EA-004A TOR 751	EK-120A TOR 794	EO-120A TOR 740	G-35 GEO 35	HS-176 27S99	P-1A 24B82
EA-005 TOR 852	EK-150 TOR 913	EO-150 TOR 841	G-36 GEO 36	HS-179 27S99	P-3A 24B83
EA-005A TOR 752	EK-150A TOR 794	EO-150A TOR 741	G-37 GEO 37	HS-182 27S99	P-5A 24B84
EA-007 TOR 853	EK-200 TOR 914	EO-200 TOR 842	G-38 GEO 38	HS-185 27S99	P-7A 24B85
EA-007A TOR 753	EK-200A TOR 794	EO-200A TOR 742	G-39 GEO 39	HS-188 27S99	P-9A 24B86
EA-010 TOR 855	EK-250 TOR 915	EO-250 TOR 843	G-40 GEO 40	HS-191 27S99	P-11A 21P65
EA-010A TOR 755	EK-250A TOR 794	EO-250A TOR 743	G-41 GEO 41	HS-194 27S99	P-15AL 21P68
EA-015 TOR 856	EK-300 TOR 916	EO-300 TOR 844	G-42 GEO 42	HS-197 27S99	PR-21AL 21P72
EA-015A TOR 756	EK-300A TOR 794	EO-300A TOR 744	G-43 GEO 43	HS-200 27S99	P-21AL 21P66
EA-020 TOR 857	EK-400 TOR 917	EO-400 TOR 845	G-44 GEO 44	HS-203 27S99	P-21AL 21P67
EA-020A TOR 757	EK-400A TOR 794	EO-400A TOR 745	G-45 GEO 45	HS-206 27S99	P-216AL 21P68
EA-025 TOR 858	EK-500 TOR 918	EO-500 TOR 846	G-46 GEO 46	HS-209 27S99	P-217AL 21P69
EA-025A TOR 758	EK-500A TOR 794	EO-500A TOR 746	G-47 GEO 47	HS-212 27S99	P-218AL 21P69
EA-030 TOR 859	EK-700 TOR 919	EO-700 TOR 847	G-48 GEO 48	HS-215 27S99	P-220AL 21P71
EA-030A TOR 759	EK-700A TOR 794	EO-700A TOR 747	G-49 GEO 49	HS-218 27S99	R-2C 24R67
EA-040 TOR 860	EK-1000 TOR 920	EO-1000 TOR 848	G-50 GEO 50	HS-221 27S99	R-3A 24R69
EA-040A TOR 760	EK-1000A TOR 794	EO-1000A TOR 748	G-51 GEO 51	HS-224 27S99	R-4A 24R11U
EA-050 TOR 861	EK-2000 TOR 921	EO-2000 TOR 849	G-52 GEO 52	HS-227 27S99	
EA-050A TOR 761	EK-2000A TOR 794	EO-2000A TOR 749	G-53 GEO 53	HS-230 27S99	
EA-070 TOR 862	EK-3000 TOR 922	EO-3000 TOR 850	G-54 GEO 54	HS-233 27S99	
EA-070A TOR 762	EK-3000A TOR 794	EO-3000A TOR 749	G-55 GEO 55	HS-236 27S99	

PART NUMBER Competitor T-M	PART NUMBER Competitor T-M
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THORDARSON MEISSNER • Mt. Carmel, Illinois

UNITED TRANSFORMER CORP.

to
THORDARSON MEISSNER (T-M)

Cross Reference

To Competitor

XR-64-U5

PART NUMBER Competitor T-M		PART NUMBER Competitor T-M		PART NUMBER Competitor T-M		PART NUMBER Competitor T-M		PART NUMBER Competitor T-M		PART NUMBER Competitor T-M		PART NUMBER Competitor T-M	
A-10	25A58	CG-112	25C78	DI-1273	MIT 290	H-39	27A19	H-22C	27A41	HVC-10	27C188	MM-5	TOR 7252
A-11	25A59	CG-113	25C79	DI-1274	MIT 291	H-40A	27A22	H-22C	27A42	HVC-11	27C189	MM-5	TOR 7253
A-12	25A18	CG-120	25F80	DI-1278	MIT 292	H-41A	27A23	H-222	27C42	HVC-12	27C190	MM-6	TOR 7254
A-15	25A64	CG-121	25F81	DI-1283	MIT 293	H-42A	27A27	H-224	27C43	HVV-006	27C288	MM-7	TOR 7255
A-16	25A20	CG-122	25F82	DI-1288	MIT 294	H-45	PUL 10	H-225	27A149	HVV-015	27C287	MM-8	TOR 7256
A-17	25A65	CG-124	25F83	DI-1289	MIT 295	H-46	PUL 11	H-280	27D36	HVV-04	27C289	MMF-4	27C421
A-18	25A21	CG-125	25F84	DO-T1	MIT 201	H-47	PUL 12	H-281	27D37	HVV-1	27C290	MMF-5	27C422
A-19	25A66	CG-126	25F85	DO-T2	MIT 202	H-48	PUL 13	H-282	27D38	HVV-25	27C292	MMF-6	27C423
A-20	25A22	CG-127	25F86	DO-T3	MIT 203	H-49	PUL 14	H-283	27A48	HVV-6	27C291	MMF-7	27C424
A-21	25A60	CG-130	25A88	DO-T4	MIT 204	H-50	PUL 15	H-284	27C45	HVV-15	27C293	MMF-8	27C425
A-22	25S10	CG-132	25A87	DO-T5	MIT 205	H-51	PUL 16	H-286	27C46	HVV-4	27C294	MMF-9	27C426
A-23	25S11	CG-134	25A88	DO-T6	MIT 206	H-52	PUL 17	H-290	27A150	HVV-10	27C295	MMF-10	27C427
A-24	25S12	CG-135	25A89	DO-T7	MIT 207	H-53	PUL 18	H-291	27A151	HVV-25	27C296	MMF-11	27C428
A-25	25S13	CG-136	25A91	DO-T8	MIT 208	H-54	PUL 19	H-295	27A152	HVV-60	27C297	MMF-12	27C429
A-26	25S33	CG-137	25A92	DO-T9	MIT 209	H-55	PUL 20	H-300	27C42	HVV-150	27C298	MMF-13	27C430
A-27	25A61	CG-140	25A21	DO-T10	MIT 210	H-56	PUL 21	H-481	PUL 23	LP-10	27C414	MMF-14	27C431
A-28	25S14	CG-141	25S22	DO-T11	MIT 211	H-57	PUL 22	H-501	PUL 24	LM-100	27C415	MMF-15	27C432
A-30	25C06	CG-233	25A93	DO-T12	MIT 212	H-60	PUL 27	H-531	PUL 25	LM-200	27C323	MMF-16	27C433
A-32	25C07	CG-235	25A90	DO-T13	MIT 213	H-61	PUL 28	H-561	PUL 26	LM-400	27C324	MO-1	27C265
A-33	25A166	CG-300	25P65	DO-T14	MIT 214	H-62	PUL 29	H-611	PUL 36	LM-500	27C325	MO-15	27C267
A-34	25A67	CG-300W	25P92	DO-T15	MIT 215	H-63	PUL 30	H-641	PUL 37	LM-800	27C326	MO-3	27C266
A-35	25A68	CG-301	25P66	DO-T16	MIT 216	H-64	PUL 31	H-671	PUL 38	LM-1000	27C327	MO-5	27C269
A-36	25A69	CG-301W	25P93	DO-T17	MIT 217	H-65	PUL 32	H-915	27V60	LM-1500	27C328	MO-1	27C268
A-37	25A70	CG-302	25P67	DO-T18	MIT 218	H-66	PUL 33	H-925	27V61	LM-2000	27C329	MO-2	27C268
A-38	25A71	CG-302W	25P94	DO-T19	MIT 219	H-67	PUL 34	H-935	27V62	LM-2500	27C330	MO-5	27C271
A-39	25A62	CG-303	25P68	DO-T20	MIT 220	H-68	PUL 35	H-965	27V66	LM-3000	27C331	MO-7	27C272
A-40	25F26	CG-303W	25P95	DO-T21	MIT 221	H-70	27C47	HA-100	25A72	LM-4000	27C332	MO-10	27C275
A-41	25C08	CG-304	25P69	DO-T22	MIT 222	H-71	27C32	HA-100X	25A73	LM-5000	27C333	MO-15	27C276
A-42	25C09	CG-304W	25P96	DO-T23	MIT 223	H-72	27C48	HA-101	25A74	LM-10000	27C334	MO-20	27C277
A-43	25A63	CG-305	25P70	DO-T24	MIT 224	H-73	27C19	HA-101X	25A75	LM-10000	27C341	MOA-1	TOR 7174
A-44	25A135	CG-305W	25P97	DO-T25	MIT 225	H-74	27C21	HA-103A	25A76	LM-1500	27C342	MOA-2	TOR 7175
A-45	25S55	CG-306	25P73	DO-T26	MIT 226	H-75	27C49	HA-104	25A80	LM-2000	27C343	MOA-3	TOR 7176
A-46	25A138	CG-306W	25P98	DO-T27	MIT 227	H-76	27C50	HA-105	25A81	LM-2500	27C344	MOA-4	TOR 7177
A-47	25A139	CG-307	25P74	DO-T28	MIT 228	H-77	27C51	HA-106	25A82	LM-3000	27C345	MOA-5	TOR 7178
BM1-30	27C386	CG-307W	25P99	DO-T29	MIT 229	H-78	27C52	HA-107	25A83	LM-4000	27C346	MOA-6	TOR 7179
BM1-50	27C387	CG-308	25P75	DO-T30	MIT 230	H-79	27C235	HA-108	25A77	LM-5000	27C347	MOA-7	TOR 7180
BM1-60	27C388	CG-309	25P76	DO-T31	MIT 231	H-80	27R01	HA-108X	25A78	LM-10000	27C347	MOA-8	TOR 7181
BM1-90	27C388	CG-310	25P77	DO-T32	MIT 232	H-81	27R02	HA-113	25S15	LM-12000	27C348	MOA-9	TOR 7182
BM1-100	27C301	CG-311W	25P80	DO-T33	MIT 233	H-82	27R03	HA-114	25S16	LM-15000	27C349	MOA-10	TOR 7183
BM1-120	27C302	CG-312	25P81	DO-T34	MIT 234	H-83	27R04	HA-133	25S17	LP-200	27C355	MOA-11	TOR 7184
BM1-150	27C389	CG-315	25P85	DO-T35	MIT 235	H-84	27R05	HA-134	25S18	LP-300	27C357	MOA-12	TOR 7185
BM1-200	27C390	CG-316	25P86	DO-T36	MIT 236	H-85	27R06	HA-135	25S19	LP-500	27C356	MOA-13	TOR 7186
BM1-240	27C391	CG-333	25A94	DO-T37	MIT 237	H-86	27R07	HA-136	25S20	LP-1000	27C357	MOA-14	TOR 7187
BM1-400	27C303	CG-422	25R46	DO-T38	MIT 238	H-87	27R08	HA-137	25A84	LP-2000	27C358	MOA-15	TOR 7188
BM1-500	27C304	CG-428	25R47	DO-T39	MIT 239	H-89	27R09	HI-1	27V50	LP-3000	27C359	MOA-16	TOR 7189
BM1-750	27C305	CG-429	25R48	DO-T40	MIT 240	H-91	27R10	HI-2	27V52	LP-5000	27C360	MOA-17	TOR 7190
BM1-800	27C392	CG-431	25R49	DO-T41	MIT 241	H-92	27R11	HI-3	27V53	LP-6000	27C361	MOA-18	TOR 7191
BM1-1000	27C306	CG-433	25A95	DO-T42	MIT 242	H-93	27R12	HI-4	27V54	LP-10000	27C362	MOA-19	TOR 7192
BM1-1500	27C307	CG-710	25C98	DO-T43	MIT 243	H-94	27V63	HI-450	27V43	LP-15000	27C420	MOA-20	TOR 7235
BM1-2000	27C308	CGU-1	25D62	DO-T44	MIT 244	H-95	27V64	HI-450	27V43	LS-6L1	25S109	MOB-1	TOR 7162
BM1-3000	27C309	CGU-2	25D63	DO-T45	MIT 245	H-96	27V65	HI-450	27V43	LS-6L2	25S110	MOB-2	TOR 7163
BM1-4000	27C310	CGU-3	25S89	DO-T46	MIT 246	H-97	27R20	HI-450	27V43	LS-10X	25A140	MOB-3	TOR 7164
BM1-5000	27C311	CGU-4	25S90	DO-T47	MIT 247	H-98	27R21	HI-450	27V43	LS-12	25A141	MOB-4	TOR 7165
BM1-10000	27C312	CGU-5	25S91	DO-T48	MIT 248	H-99	27R22	HI-450	27V43	LS-12X	25A142	MOB-5	TOR 7166
BM1-1200	27C335	CGU-6	25S92	DO-T49	MIT 249	H-100	27R23	HI-450	27V43	LS-14X	25A143	MOB-6	TOR 7167
BM1-1400	27C336	CGU-7	25S93	DO-T50	MIT 250	H-101	27R24	HI-450	27V43	LS-19	25A96	MOB-7	TOR 7168
BPH-50000	27C393	CGU-8	25S94	DO-T51	MIT 251	H-102	27R25	HI-450	27V43	LS-21	25A97	MOB-8	TOR 7169
BPH-100000	27C394	CGU-9	25S95	DO-T52	MIT 252	H-103	27R26	HI-450	27V43	LS-25	25A152	MOB-9	TOR 7170
BP-400	27C349	CGU-10	25S96	DO-T53	MIT 253	H-104	27R27	HI-450	27V43	LS-26	25A144	MOB-10	TOR 7171
BP-440	27C395	CGU-11	25S97	DO-T54	MIT 254	H-105	27R28	HI-450	27V43	LS-27	25S96	MOB-11	TOR 7172
BP-500	27C396	CGU-12	25S98	DO-T55	MIT 255	H-106	27R29	HI-450	27V43	LS-30	25A148	MOB-12	TOR 7173
BP-600	27C397	CGU-13	25S99	DO-T56	MIT 256	H-107	27R30	HI-450	27V43	LS-30X	25A149	MOB-13	TOR 7174
BP-750	27C350	CGU-14	25S00	DO-T57	MIT 257	H-108	27C60	HI-450	27V43	LS-31	25A145	MOB-14	TOR 7237
BP-800	27C398	CGU-15	25S01	DO-T58	MIT 258	H-109	27C61	HI-450	27V43	LS-32	25A150	MOB-15	TOR 7239
BP-1000	27C351	CGU-16	25S02	DO-T59	MIT 259	H-110	27C62	HI-450	27V43	LS-33	25A151	MOB-16	TOR 7240
BP-1200	27C399	CGU-17	25S03	DO-T60	MIT 260	H-111	27C63	HI-450	27V43	LS-34	25A152	MOB-17	TOR 7241
BP-1500	27C352	CGU-18	25S04	DO-T61	MIT 261	H-112	27C64	HI-450	27V43	LS-35	25S113	MOB-18	TOR 7242
BP-1600	27C400	CGU-19	25S05	DO-T62	MIT 262	H-113	27C65	HI-450	27V43	LS-40	25A156	MOB-19	TOR 7243
BP-2000	27C353	CGU-20	25S06	DO-T63	MIT 263	H-114	27C66	HI-450	27V43	LS-47	25A147	MOB-20	TOR 7244
BP-2500	27C401	CGU-21	25S07	DO-T64	MIT 264	H-115	27C67	HI-450	27V43	LS-48	25A153	MOB-21	TOR 7245
BP-3000	27C402	CGU-22	25S08	DO-T65	MIT 265	H-116	27C68	HI-450	27V43	LS-50	25S97	MOB-22	TOR 7246
BP-3200	27C403	CGU-23	25S09	DO-T66	MIT 266	H-117	27C69	HI-450	27V43	LS-51	25S100	MOB-23	TOR 7247
BP-4000	27C404	CGU-24	25S10	DO-T67	MIT 267	H-118	27C70	HI-450	27V43	LS-52	25S104	MOB-24	TOR 7248
BP-4800	27C405	CGU-25	25S11	DO-T68	MIT 268	H-119	27C71	HI-450	27V43	LS-54	25S105	MOB-25	TOR 7249
BP-5000	27C406	CGU-26	25S12	DO-T69	MIT 269	H-120	27C72	HI-450	27V43	LS-55	25S101	MOB-26	TOR 7250
BP-6400	27C407	CGU-27	25S13	DO-T70	MIT 270	H-121	27C73	HI-450	27V43	LS-56	25S102	MOB-27	TOR 7251
BP-8000	27C408	CGU-28	25S14	DO-T71	MIT 271	H-122	27C74	HI-450	27V43	LS-58	25S103	MOB-28	TOR 7252
BP-10000	27C354	CGU-29	25S15	DO-T72	MIT 272	H-123	27C75	HI-450	27V43	LS-61	25S106	MOB-29	TOR 7253
BTI-60	27C313	DI-T1											

UNITED TRANSFORMER CORP.
 to
THORDARSON MEISSNER (T-M)
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PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M
VIC-17 27C219	VIC-22 27C224	W-786 27A03	W-790 27S05	Z-850 27C03	Z-854 27C07
VIC-18 27C220	W-783 27A01	W-787 27S02	W-791 27S06	Z-851 27C04	Z-855 27C08
VIC-19 27C221	W-784 27S01	W-788 27S03	Z-848 27C01	Z-852 27C05	Z-856 27C09
VIC-20 27C222	W-785 27A02	W-785 27S04	Z-849 27C02	Z-853 27C06	Z-857 27C10
VIC-21 27C223					

CHICAGO - STANCOR Industrial Transformers
 to
THORDARSON MEISSNER (T-M)

XR-64-C5

PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M
18C-150 25R21	BM-1 25M78	FH-210H 27F26	PCR-120 25R17	PSD-25 25D56	TAMS-1 27A113
18S-150 27R60	BM-2 25M80	FH-210H 27F27	PCR-150 25R18	PSD-100 25D57	TAMS-2 27A114
28C-150 25R22	BM-4 25M79	FH-510H 27F30	PCR-200 25R19	PSO-80 25S40	TAMS-3 27A115
28S-150 25R43	BO-1 25S23	FH-520HB 27F31	PCR-300 25R20	PSO-150 25S41	TAMS-4 27A116
4FH-63 27F105	BO-2 25S24	FH-610 27F32	PCT-14 27A107	PSO-200 25S42	TAMS-5 27A117
4FH-65 27F106	BO-3 25S25	FMS-1 27F94	PCT-15 27A108	PSR-55 25R30	TAMS-6 27A118
4FH-610 27F107	BO-6 25S26	FMS-2 27F95	PCT-17 27A109	PSR-70 25R35	TAMS-7 27A119
4FH-620 27F108	BO-9 25S27	FMS-3 27F96	PCT-21 27A110	PSR-85 25R36	TAMS-8 27A120
4FMS-63 27F102	BO-10 25S28	FMS-4 27F97	PCT-25 27A112	PSR-105 25R37	TAMS-9 27A121
4FMS-65 27F60	BO-12 25S30	FMS-5 27F98	PCT-30 27D37	PSR-150 25R39	TAMS-10 27S114
4FMS-122 27F104	BO-13 25S31	FMS-6 27F99	PCT-31 27D38	PSR-200 25R40	TAMS-11 27S115
4FMS-610 27F61	BO-14 25S32	FMS-7 27F100	PCT-39 27D39	PSR-300 25R41	TM-1A TOR 748
4FMS-620 27F62	BO-15 25S33	FMS-8 27F101	PCT-43 27S89	R-63 25C46	TM-2A TOR 749
4FMS-1208 27F103	BOH-1 27S117	FMS-9 27F102	PCT-54 27S95	R-65 25C46	TM-5A TOR 752
4FMS-2415 27F106	BOH-2 27S118	FMS-10 27F42	PCT-60 27S100	R-67 25C44	TM-8A TOR 754
4IMS-40 27V54	BOH-4 27S119	FMS-12 27F40	PCT-61 27S101	R-103 25C47	TM-10A TOR 755
4IMS-160 27V56	BOH-5 27S120	FMS-15 27F41	PCT-62 27S102	R-105 25C45	TM-20A TOR 757
4PHC-55 27R114	BOH-9 27S121	FMS-210H 27F26	PCT-70 27S104	RC-1055 25C28	TM-50A TOR 761
4PHC-70 27R115	BR-1 25C40	FMS-210H 27F27	PCT-71 27S105	RC-1085 25C28	TM-80A TOR 763
4PHC-120 27R116	CDC-1 25D52	FMS-510H 27F39	PCT-76 27S110	RC-1540 25C25	TM-100A TOR 764
4PHC-165 27R117	CDH-1 25S88	FMS-510H 27F40	PCT-77 27S111	RC-1555 25C27	TM-200A TOR 766
4PHC-200A 27R118	CDH-1 27D35	FMS-610 27F42	PCT-116 27C79	RC-1585 25C29	TM-500A TOR 770
4PHR-300 27R119	CIC-1 25A23	FMS-620 27F43	PCT-117 27C80	RC-8105 25C30	TM-800A TOR 773
4PHS-40 27C106	CIC-2 25A24	HF-20 25A08	PCT-118 27C81	RC-8150 25C32	TM-1000A TOR 774
4PHS-55 27R107	CIM-1 27A126	HF-20X 25A09	PCT-128 27C83	RC-8200 25C34	TT-11 25A117
4PHS-70 27R108	CIM-2 27A127	HF-22 25A10	PCH-10 27R38	RC-8250 25C36	TT-12 25A118
4PHS-85 27R109	CIS-1 25A25	HF-22X 25A11	PCH-20 27R39	RC-8300 25C37	TT-13 25A119
4PHS-105 27R110	CIS-2 25A26	HF-29 25A11	PCH-40 27R40	RC-12105 25C31	UM-110 11R 467
4PHS-120 27R96	CMS-1 25M76	HF-31 25A13	PCH-55 27R41	RC-12150 25C33	UM-111 TR 468
4PHS-150 27R111	CMS-3 25M77	HF-32 25A14	PCH-60 27R42	RC-12200 25C35	UM-112 TR 469
4PHS-165 27R112	COC-1 25S38	HF-40 25A15	PCH-70 27R43	RH-1035 27C88	UM-113 TR 470
4PHS-200A 27R113	COC-2 25S39	HP3-140 27V18	PCH-85 27R44	RH-1085 27C90	UM-114 TR 471
4PHS-300 27R99	COH-1 27S122	HRP-400 27R100	PCH-105 27R45	RH-1510 27C85	UME-11 TR 134
4RH-255 27C105	COH-2 27S123	HRP-600 27R101	PCH-120 27R46	RH-1520 27C86	UME-12 TR 135
4RH-270 27C106	COS-1 25S43	HRP-800 27R102	PCH-150 27R47	RH-1540 27C87	UME-13 TR 138
4RH-2165 27C108	COS-2 25S44	HRP-1600 27R103	PCH-165 27R48	RH-1555 27C89	UME-14 TR 141
4RH-2200 27C109	DCT-1 TR-82	HRP-2000 27R104	PCH-200 27R48	RH-1585 27C91	UME-15 TR 144
4RH-2300 27C110	DCT-2 TR-92	HRP-2500 27R105	PCH-200A 27R59	RH-8105 27C92	UME-16 TR 146
4RH-2400 27C111	F-1 25F86	IS-50 25V16	PCH-250 27R49	RH-8150 27C94	UME-17 TR 142
4RH-2400 27C112	F-2 25F87	IS-100 25V17	PHD-10 27D30	RH-8200 27C96	UME-18 TR 148
4RH-255 27C113	F-3 25F88	IS-150 25V18	PHD-25 27D31	RH-8250 27C98	UME-19 TR 133
4RH-270 27C114	F-4 25F89	IS-250 25V19	PHD-100 27D34	RH-8300 27C99	UME-20 TR 127
4RH-285 27C115	F-5 25F90	LSF-1 25C37	PHO-80 27S12	RH-12105 27C93	UME-21 TR 125
4RH-2105 27C116	F-6 25F91	NSI-1 25C38	PHO-150 27S13	RH-12150 27C95	UME-22 TR 129
4RH-2120 27C28	F-7 25F92	NSI-2 25C39	PHO-200 27S14	RH-12200 27C97	UME-23 TR 136
4RH-2150 27C104	F-8 25F93	P-45 25P82	PHR-50 27R50	RP-400 24R100	UME-24 TR 137
4RH-2165 27C105	F-9 25F94	P-67 25P83	PHR-75 27R51	RP-600 24R102	UME-25 TR 138
4RH-2200 27C30	F-10 25F95	P-107 25P84	PHR-85 27R52	RP-1600 24R103	UME-26 TR 139
4RH-2300 27C31	F-11 25F96	P-1240 25P85	PHR-105 27R53	RP-2000 24R104	UME-27 TR 140
4RH-3120 27C73	F-12 25F97	P-1512 25P86	PHR-120 27R54	RP-2400 24R105	UME-28 TR 145
AMS-1 27A01	F-13 25F98	P-2126 25P88	PHR-150 27R55	RS-1055 25C50	UME-29 TR 122
AMS-2 27A02	F-14 25F99	P-2520 25P87	PHR-200 27R56	RS-1085 25C52	UME-30 TR 123
AMS-3 27A03	F-15 25F00	P-3025 25P89	PHR-300 27R57	RS-1540 25C49	UME-31 TR 135
AMS-4 27A04	F-16 25F01	P-4353 25P90	PMS-70 27R86	RS-1555 25C51	UME-32 TR 134
AMS-5 27A05	F-17 25F02	P-45 25P82	PMS-70A 27R87	RS-1585 25C53	UME-33 TR 125
AMS-6 27A06	F-18 25F03	P-67 25P83	PMS-150 27R88	RS-1585 25C55	UME-34 TR 143
AMS-7 27A07	F-19 25F04	P-107 25P84	PMS-175 27R89	RS-8105 25C54	UME-35 TR 130
AMS-8 27A08	F-20 25F05	P-1240 25P85	PMS-250 27R90	RS-8150 25C56	UME-36 TR 149
AMS-9 27A09	F-21 25F06	P-1512 25P86	PMS-350 27R91	RS-8200 25C58	UME-37 TR 147
BD-1 25D53	F-22 25F07	P-2126 25P88	PMS-500 27R92	RS-8250 25C60	UME-38 TR 150
BD-2 25D54	F-23 25F08	P-2520 25P87	PMS-750 27R93	RS-8300 25C62	UME-39 TR 151
BI-1 25A01	F-24 25F09	P-3025 25P89	PMS-150 27R94	RS-12105 25C55	WF-20 25A16
BI-2 25A02	F-25 25F10	P-4353 25P90	PMS-250 27R95	RS-12150 25C57	WF-21 25A17
BI-3 25A03	F-26 25F11	P-67 25P83	PMS-350 27R96	RS-12200 25C59	WF-22 25A18
BI-4 25A04	F-27 25F12	P-107 25P84	PMS-500 27R97	SD-50 25V10	WF-24 25A19
BI-5 25A05	F-28 25F13	P-1240 25P85	PMS-750 27R98	SD-100 25V11	WF-26 25A20
BI-6 25A06	F-29 25F14	P-1512 25P86	PMS-150 27R99	SD-150 25V12	WF-28 25A21
BI-7 25A07	F-30 25F15	P-2126 25P88	PMS-250 27R90	SD-200 25V13	WF-30 25A22
BIH-1 27A120	FH-10 27F28	P-2520 25P87	PMS-350 27R91	SD-500 25V14	WF-34 25S32
BIH-4 27A121	FH-11 27F29	P-3025 25P89	PMS-500 27R92	SD-1000 25V15	WF-35 25S34
BIH-6 27A122	FH-12 27F30	P-4353 25P90	PMS-750 27R93	SPECT-10 TR 466	WF-36 25S33
BIH-7 27A123	FH-13 27F31	P-67 25P83	PMS-150 27R94	SR-300 20C60	
BIH-8 27A124	FH-14 27F32	P-107 25P84	PMS-250 27R95	SR-500 20C61	
BIH-10 27A125	FH-15 27F33	P-1240 25P85	PMS-350 27R96		

STANCOR to THORDARSON MEISSNER (T-M)

XR-64-S5

PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M	PART NUMBER Competitor T-M
A-52C 20A16	A-3812 21M59	A-3883 24S45	A-4744 20A04 (m)	A-8094 22S21	C-1411 20C94
A-53C 20A45	A-3817 21M55	A-3885 24S121	A-4745 20A07	A-8095 24S24	C-1412 26C90
A-53C 20A18	A-3818 24S00	A-3891 21M60A	A-4747 20A30	A-8096 24S21	C-1413 20C106
A-53C 20A49	A-3823 24S06	A-3892 21M61	A-4748 20A35	A-8097 24S22	C-1414 20C107
A-63C 20A93	A-3825 24S43	A-3893 21M62A	A-4749 22S51	A-8098 24S117	C-1415 25C46 (k)
A-64C 20A48	A-3829 21M69	A-3894 21M63	A-4750 20D31	A-8099 24S125	C-1420 20C74
A-73C 20A23	A-3830 24S55	A-3898 21M64	A-4751 20D32	A-8101 24S75	C-1421 20C75
A-2012 34S115	A-3831 24S56	A-3899 21M65	A-4752 22S16	A-8102 24S72	C-1515 20C43
A-2312 26S47	A-3833 20A42	A-4212 20D80	A-4773 20A24	A-8104 22S109	C-1645 20C108
A-2131 24S96	A-3836 22S119	A-4222 20D21	A-4774 20A19 (n)	A-8105 24S74	C-1646 20C105
A-2855 26S46	A-3837 24S76	A-4350 20A07	A-4778 20A01	A-8109 24S74	C-1702 20C109
A-3250 24S27	A-3839 25S78	A-4351 25A121	A-4779 20A00	A-8105 24S74 (w)	C-1703 20C98
A-3304 24S58	A-3841 22S77	A-4352 20A31	A-4780 20A11	C-1001 26C85	C-1706 20C84
A-3307 24S119	A-3842 24S25	A-4407 20D20	A-4794 24S46	C-1002 26C86	C-1707 20C87
A-3310 24S94	A-3845 21M67	A-4420 20A20	A-7949 24S47	C-1003 26C87	C-1708 20C85
A-3311 22S51	A-3849 24S64	A-4430 24S120	A-8050 22S106	C-1080 20C82	C-1709 20C88
A-3327 24S99	A-3850 24S08	A-4431 24S116	A-8051 22S107	C-1215 20C66	C-1710 20C68
A-3328 24S48	A-3851 24S77	A-4432 24S122	A-8052 22S41	C-1227 20C59 (p)	C-1718 20C75
A-3329 24S49	A-3852 24S12	A-4702 20D30	A-8053 22S63	C-1277 20C59 (r)	C-1720 20C110
A-3330 24S50	A-3854 24S04	A-4703 20D31	A-8054 22S69	C-1279 20C81	C-1721 20C96
A-3332 24S53	A-3857 24S59	A-4705 20A32	A-8056 22S67	C-1325 26C42	C-1722 20C70
A-3335 24S19 (z)	A-3870 24S14	A-4706 20A33	A-8072 22S65	C-1333 20C81	C-1723 20C47
A-3336 24S92	A-3871 21M63	A-4708 20A34	A-8080 24S125	C-1355 20C16	C-2301 20C63
A-3496 22S48	A-3872 25S57	A-4709 25A123	A-8081 24S124	C-1400 20C76	C-2302 20C88
A-3800 22S71	A-3876 24S50	A-4711 20A11	A-8082 24S123	C-1401 20C77	C-2303 26C89
A-3801 24S57	A-3878 24S52	A-4713 20A20	A-8090 22S118	C-1402 20C78	C-2305 20C47
A-3802 24S79	A-3879 24S58	A-4719 25A122	A-8091 22S81	C-1403 20C83	C-2307 20C79
A-3808 21M51	A-3881 24S54	A-4723 20D59	A-8092 26S49	C-1404 20C33	C-2308 20C69
		A-4742 20A36	A-8093 24S56	C-1410 20C93	C-2309 20C49