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Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Line No.	Materials, parts, and supplies (A)		Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) (E)		
				574 Millions	Thou- sands	Dollars
1	FABRICATED METAL PRODUCTS (Except forgings)	Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2	\$		
2		All other fabricated metal products	340098 3			
3		Forgings	346000 3			
4		Castings (rough and semifinished)	330091 0			
5	Shapes and Forms (Except castings, forgings, and fabricated metal products)	Steel	331002 6			
6		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8		
7			All other (except sheet, plate, foil, and welded tubing)	335011 3		
8			Copper and copper-base alloy	335004 8		
9			All other nonferrous shapes and forms	335099 8		
10		Magnet wire	335770 4			
11		Insulated wire and cable (except magnet wire)	335791 0			
12		Refined petroleum products (transformer oils, lubricating oils and greases, etc.)	290002 5			

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Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued					
Line No.	Materials, parts, and supplies (A)	Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) (E)		
			574 Millions	Thou- sands	Dollars
13	Porcelain, steatite, and other ceramic electrical products	326400 9	\$		
14	Paper and paperboard products (except paperboard boxes, containers, and corrugated paperboard)	260070 8			
15	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	285101 2			
16	Electrical industrial capacitors, resistors, rheostats, and coil windings	362001 0			
17	Current-carrying wiring devices	364300 4			
18	Cost of all other materials and components, parts, containers, and supplies consumed . <i>Describe the three principal materials, etc., included in this value.</i>	970099 8			
19	TOTAL Sum of lines 1–18 should equal item 10, line a		\$		

Item 18A – Not applicable to this report

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

5. Detailed Data Reported Elsewhere – Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports (A)	Census product code (B)	Products shipped and other receipts		
			Value, f.o.b. plant (E)		
			584 Millions	Thou- sands	Dollars
1	DISTRIBUTION TRANSFORMERS, LIQUID-IMMERSED, ALL VOLTAGES, AND DRY-TYPE ELECTRIC UTILITY DISTRIBUTION TRANSFORMERS (Excluding general purpose)	Overhead type, single-phase, liquid-immersed; 500 kVA and smaller	36122 02 6	\$	
2		Compartmentalized pad-mounted, single-phase, liquid-immersed; 500 kVA and smaller	36122 04 2		
3		Subsurface and subway types, single-phase, liquid-immersed; 500 kVA and smaller	36122 06 7		
4		Three-phase transformers 500 kVA and smaller, liquid-immersed (all voltages) (including overhead type, compartmentalized pad-mounted, and subsurface and subway types)	36122 14 1		
5		Network transformers, all ratings (excluding network protectors)	36122 16 6		
6		Single-phase and three-phase, pad-mounted (dry) 500 kVA and smaller	36122 19 0		

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code 581	Products shipped and other receipts			
					Value, f.o.b. plant (E)			
					584	Thousands	Dollars	
(A)	(B)	Millions	Thousands	Dollars				
7	Power and Distribution Transformers (Except parts) – Continued (36122)	SMALL POWER TRANSFORMERS, SINGLE- AND THREE-PHASE, ALL VOLTAGES	Compartmentalized pad-mounted and subsurface underground and conventional subway type transformers, self-cooled equivalent ratings of 501 kVA through 2,500 kVA, liquid-immersed	36122 21 6	\$			
8			Conventional transformers and autotransformers, with and without load-tap-changing, primary unit substation transformers and single circuit unit substations 501 kVA through 2,500 kVA, liquid-immersed	36122 23 2				
9			Liquid-immersed conventional transformers and autotransformers, with and without load-tap-changing, primary unit substation transformers and single circuit unit substations 2,501 kVA through 10,000 kVA, liquid and nonliquid	36122 28 1				
10			Dry-type small power transformers, self-cooled equivalent ratings of 501 kVA and above, single- and three-phase high voltage 601 volts and above; conventional transformers, primary unit substation transformers, and core and coil units	36122 29 9				
11		Secondary unit substation transformers, liquid-immersed, all kVA ratings (based on self-cooled nameplate ratings); single- and three-phase, all high voltages, and low voltages below 1,000 volts; mineral oil and non/low flammability fluids	36122 32 3					
12		Secondary unit substation transformers, dry-type, single- and three-phase, all kVA ratings, all high voltages, and low voltages below 1,000 volts; units sold with or without secondary switching equipment but with a flange or throat for connection to such equipment (for dry-type also include core and coil units for ultimate use in secondary unit substations)	36122 33 1					
13		LARGE POWER TRANSFORMERS LIQUID-IMMERSED, SELF-COOLED EQUIVALENT RATINGS (BASED ON SELF-COOLED NAMEPLATE RATINGS), 10,001 KVA AND LARGER, SINGLE AND THREE-PHASE, ALL HIGH AND LOW VOLTAGES. CONVENTIONAL TRANSFORMERS AND AUTO-TRANSFORMERS, WITH AND WITHOUT LOAD-TAP-CHANGING PRIMARY UNIT SUBSTATION TRANSFORMERS AND REGULATING TRANSFORMERS	10,001 kVA, OA to 30,000 kVA, OA (50,000 kVA, top FOA)	With load-tap-changing	36122 37 2			
14				Without load-tap-changing	36122 39 8			
15			30,001 kVA, OA (50,000 kVA, top FOA) to 100,000 kVA, OA (167,000 kVA, top FOA)	With load-tap-changing	36122 41 4			
16				Without load-tap-changing	36122 42 2			
17			100,001 kVA, OA (167,001 kVA, top FOA) and larger	With load-tap-changing	36122 43 0			
18				Without load-tap-changing	36122 44 8			

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code 581	Products shipped and other receipts			
				Value, f.o.b. plant (E)			
				584	Thou-	Dollars	
(A)		(B)	Millions	sands			
19	Specialty Transformers (Except fluorescent lamp ballast) (36123)	Open core and coil units (excluding machine tool control transformers and all units end-bell enclosed) (250 VA and under)	36123 01 6	\$			
20		Machine tool control transformers	36123 02 4				
21		High intensity discharge lamp transformers, also known as ballasts	36123 08 1				
22		INSTRUMENT TRANSFORMERS	Indoor and outdoor current transformers	36123 06 5			
23			Indoor and outdoor voltage transformers	36123 07 3			
24		All other specialty transformers (including luminous tube transformers and ignition transformers but excluding internal combustion engine ignition)		36123 11 5			
25	Fluorescent lamp ballasts (corresponds to item codes 1015–1035, 1210–1245 , and 1310–1370 as reported on CIR Form MQ36C, Fluorescent Lamp Ballasts, for 1997)* (36124)		36124 00 6				
26	COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL GENERAL-PURPOSE TRANSFORMERS, ALL VOLTAGES, SINGLE- AND THREE-PHASE, EXCLUDING ELECTRIC UTILITY DISTRIBUTION TRANSFORMERS (36126)	Single- and three-phase all-enclosed general-purpose and buck-boost transformers and open core and coil units not included on lines 19 and 20, 3 kVA and below, all voltages	36126 01 9				
27		Single- and three-phase, 3.01 kVA through 15 kVA, all voltages	36126 02 7				
28		Single- and three-phase, 15.01 kVA through 100 kVA, all voltages	36126 03 5				
29		Single- and three-phase, 100.01 kVA and above, all voltages	36126 04 3				
30		Other general-purpose transformers (including saturable core reactors and voltage regulating transformers, but excluding transmission and distribution voltage regulators)	36126 08 4				
31	POWER REGULATORS, BOOSTERS, AND OTHER TRANSFORMERS (Including parts and accessories for all transformers) (36127)	Transmission and distribution voltage regulators, single- and three-phase (including induction voltage regulators, and step voltage regulators), and reactor and special-purpose transformers, liquid-immersed and dry-type, all voltages and kVA's such as: reactors, furnace transformers, rectifier transformers, locomotive transformers, grounding transformers, ground fault neutralizers, mobile transformers, mobile unit substation, and integral single-circuit unit substations	36127 01 7				
32		Parts (including renewal and repair parts), subassemblies, and accessories for all transformers	36127 78 5				
33	Resistance welder transformers		35483 09 8				
34	Transformers, coils, reactors, and chokes for electronic circuitry (corresponds to value of shipments as reported on CIR Form MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 1997) (36770)*		36770 00 6				
35	Rectifying apparatus		36292 00 1				
36	Power circuit breakers, all voltages (corresponds to value of shipments as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36132)*		36132 00 9				
37	Switchgear, except ducts and relays (corresponds to value of shipments as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36139)*		36139 00 4				
38	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18				
39			26				
40			34				
41			42				
42			59				
43			67				

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584	Thou-	Dollars
(A)		(B)	Millions	sands		
44	CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8	\$		
45	MISCELLANEOUS RECEIPTS	Sales of scrap, refuse, and other miscellaneous receipts (including receipts for repair work, etc.)	99980 00 5			
46	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
47	TOTAL value of shipments and other receipts Sum of lines 1–46, column (E)		77000 00 8	\$		

Items 19–21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (<i>Print or type</i>)		Telephone	Area code	Number	Extension		
667	1	2					
Name of company			Address (<i>Number and street, city, State, ZIP Code</i>)				
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person			Title		Date		