## PA339.3

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## Business Statistics Office

## Business Monitor

Report on the Census of Production

Refrigerating machinery, space-heating, ventilating and air-conditioning equipment

## PA339.3 Business Monitor

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Commencing with the 1971 Cansus, the Census of Production reports are being numbered in a uniform series embracing all industrial inquiries in the Business Monitor series. These Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) or Q (quarterly) or M (monthly) and then by a number indicating the minimum list heading, or sub-division of a minimum list heading, of
the Standard Industrial Classification (revised 1968).
The Census of Production (PA) reports are available The Census of Production (PA) reports are avail on standing order (details on application to Her
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## Report on the Census of Production 1976

Refrigerating machinery, space-heating, ventilating and air-conditioning equipment
Presented by the Secretary of State for Industry to Parliament in pursuance of the Statistics of Trade Act 1947 ( 10 \& 11 Geo. 6 Cha. 39 sec 7)

Department of Industry
Business Statistics Office

| PA1001 | Introductory notes | PA369.1 | Electrical equipment for motor vehicles, cycles |
| :---: | :---: | :---: | :---: |
|  | Coal mining ${ }^{\text {Stone and slate guarrving and mining }}$ | PA369. 2 | Primary and secondary batteries |
| PA103 | Chalk, clay, sand and gravel extraction | PA369.4 | Electric lamps, electric light fittings, wiring |
| PA104 | Petroleum and natural gas |  |  |
| PA109 | Miscellaneous mining and quarry ing | PA370 | Shipbuilding and marine engineering |
| PA212 | Bread and flour confectionery | PA381.1 | Motor venicle manufacturing |
| PA213 | Biscuits | PA381.2 | Trailers, caravans and freight containe |
| PA214 | Bacon curing. meat and fish products |  | Motor cycle, tric |
| PA215 | Milk and milk products |  | Aerospace equi |
| PA216 | Sugar | PA384 | Locomotives, railway track equipment, railway carriages, |
| PA217 | Cocoa, chocolate and sugar cont |  |  |
| PA218 | Fruit and vegetable products | PA390 | small tools and gauges |
| PA219 | Animal and poultry foods | PA391 | Hand tools and implements |
| PA221 | Vegetable and animal oils and fats | PA392 | Cutlery, spoons, forks and plated tableware, etc. |
| PA229. 1 | Margarine | PA393 | Bolts, nuts, screws, rivets, etc. |
| PA229. 2 | Starch and miscellaneous foods | PA394 | Wire and wire manufactures |
| PA231 | Brewing and malting |  | Cans and metal boxes |
| ${ }_{P}^{\text {PA232 }}$ PA239 | Soft drinks ${ }^{\text {Soit }}$ | ${ }_{\text {PA3966 }}^{\text {PA399. }}$ | Jewellery and precious metals |
| PA239. 2 | British wines, cider and perry | PA399.5 | Drop forgings, etc. |
| PA240 | Tobacco | PA399.6 | Metal hollow-ware |
| PA261 | Coke ovens and manufactured fuel | PA3999.8 | Miscellaneous metal manufacture |
| PA262 | Mineral oil refining | PA411 | Production of man-made fibres |
| PA263 | Lubricating oils and greases | PA412 | Spinning and doubling on the cotton and flax systems |
| PA271.1 | Inorganic chemicals | PA413 | Weaving of cotton, lin |
| PA271.2 | Organic chemicals Miscellaneous chem | ${ }_{\text {PA4 }}$ | Woollen and worsted |
| PA272 | Pharmaceutical chemicals and preparations | PA416 | Rope, twine and net |
| PA273 | Toilet preparations | PA417.1 | Hosiery and other knitted goods |
| PA274 | Paint | PA417.2 | Warp knitting |
| PA275 | Soap and detergents | PA418 | Lace |
| PA276 | Synthetic resins and plastics materials and | PA419 | Carpets |
| PA277 | Sy ${ }^{\text {Syestuff }}$ and pigments | PA422.1 | Household textiles and handkerchiefs |
| PA278 | Fertilizers | PA422. 2 | Canvas goods and sacks and other made-up textiles |
| PA279. PA279. | Polishes Formulated adhesives, gelatine, etc. | ${ }_{\text {PA4 }}$ PA423 ${ }^{\text {a }}$ | Textile finishing |
| PA279.3 | Explosives and fireworks | PA429.2 | Miscellaneous textile industries |
| PA279.4 | Formulated pesticides, etc. | PA431 | Leather (tanning and dressing) and fellmongery |
| PA279.5 | Printing ink | PA432 | Leather goods |
| PA279.6 | Surgical bandages, | PA433 |  |
| PA279.7 | Photographic chemical materials | PA441 | Weatherproof outerwear |
| ${ }_{\text {PA3 }}$ PA12 | Iron and steel (general) | PA442 | Men's and boys' tail ored outerwear |
| PA313 | Iron castings, etc. | PA444 | Overalls and men's shirts, underwear, etc. |
| PA321 | Aluminium and aluminium alloys | PA445 | Dresses, lingerie, infants' wear, etc. |
| PA322 | Copper, brass and other copper alloys | PA446 | Hats, caps and millinery |
| PA323 | Miscellaneous base metals | PA449.1 | Corsets and miscellaneous dress industries |
| PA331 | Agricultural machinery (except tractors) | PA449. 2 | Gloves |
| PA332 | Metal-working machine tools | PA450 PA461.1 | Footwear ${ }^{\text {Refractory goods }}$ |
| PA333.2 | Valves | PA461.2 | Building bricks and non-refractory goods |
| PA333.3 | Compressors and fluid power equipment | PA462 | Pottery |
| PA334 | Industrial engines | PA463 | Glass |
| PA335 | Textile machinery and accessories | PA464 | Cement |
| PA336 | Construction and earth-moving equipment | PA469. 1 | Abrasives |
| PA338 | Mechanical handing equipment | PA4771 | Misceilaneous building materials and mineral products |
| PАЗ39. 1 | Mining machinery | PA472 | Furniture and upholstery |
| PA339. 2 | Printing, bookbinding and paper goods machinery | PA473 | Bedding, etc. |
| РАЗ39.3 | Refrigerating machinery, space-heating, ventilating and air-conditioning equipme | PA474 <br> PA475 | Shop and office fitting <br> Wooden containers and baskets |
| PA339. 5 | Scales and weighing machinery and portable | PA479 | Miscellaneous wood and cork manufactures |
| PA339.7 | Food and drink processing machinery and | PA482.1 | Cardboard boxes, cartons and fibre-board packing |
|  | packaging and bottling machinery | PA482. 2 | Packaging products of paper and associated materials |
| PA339.9 | Miscellaneous (non-electrical) machinery | PA483 | Manufactured stationery |
| A341 | Industrial lincluding process) plant and steelwork | PA484.1 | Wallcoverings |
| PA342 | Ordnance and small arms | PA484.2 | Miscellaneous manufactures of paper and boad |
| PA349. 1 | Ball, roller, plain and other bearings | PA485 | Printing, publishing of newspapers and periodicas |
| PA349.2 | Precision chains and other mechanical engineering | PA489 | General printing and publishing |
| PA351 | Photographic and document copying equipment | PA492 | Rubber Linoleum, plastics floor-covering, leathercloth, |
| PA353 | Surgical instruments and appliances | PA493 | Brushes and brooms |
| A354 | Scientific and industrial instruments and systems | PA494.1 | Toys, games and children's carriages |
| A361 | Electrical machinery | PA494.3 | Sports equipment |
| PA362 | Insulated wires and cables | PA495 | Miscellaneous stationers' goods |
| PA363 | Telegraph and telephone apparatus and equipment | PA496 <br> PA499 | Plastics products |
| PA364 | Radio and electronic components | PA499.2 | Miscellaneous manufacturing industries |
| PA365. 1 | Gramophone records and tape recordings | PA500 | Construction |
| PA365.2 | Broadcast receiving and sound reproducing | PA601 |  |
|  | Electronic computers | ${ }_{\text {PA603 }}$ | Electricity |
| PA367 | Radio. radar and electronic capital goods | PA1002 | Summary tables |
|  | Electrical appliances primarily for domestic use |  |  |

The information in this report relates to establishments classified to the Refrigerating machinery, space-heating, ventilating and air-con-
ditioning equipment industry, minimum list heading $339.3 / 4$ in the Standar: Industrial Classification (revised 1968). The activities of the ditioning equinp
industry include

Manufacturing refrigerating machinery, commercial refrigerators and commercial refrigerating equipment, including deep freeze and quick freeze machinery. The manufacture of domestic type refrigerators and deep freeze units (including non-electrical refrigerators) is excluded. Manufacturing space-heating, ventilating and air-conditioning equipment, other than at foundries, and dust extraction systems
ind ments specialising in the installation of such equipment are excluded. Thermostats and similar measuring and controlling apparatus, domestic type electric heaters, fans, etc. Self contained oil burners and gas heaters are also excluded.

In interpreting the data in the tables it is essential to bear

[^0]Analysis of establishments by size, 19764.5
5 Regional distribution of employment, net capital expenditure, net output and gross value added ..... 6
$6 \quad$ Percentage analysis of twelve-month periods covered by returns received from UnitedKingdom establishments employing 20 or more persons, 19767

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size.
(b) Included with Sales of goods produced.
(c) Details of manufacturers' sales of principal products are published regularly in Business Monitor P0339.3.
(d) Average number employed, including full and part-time employees (see table 7 ) and working proprietors
(e) For 1973 -1975 rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was
$£ 1,976$ thousand.
(f) 1973 figures include hire of vehicles.
(g) 1974-1976 figures include the cost of hiring goods vehicles.

TABLE 2
Capital expenditure, 1973-1976
Capitar expenditure, 197 - 1976
All United Kingdom establishments classified to the industry (a) (b)

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 66 per cent of employment within the industry,
(b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.
table 3
Stocks and work in progress, 1973-1976
All United Kingdom estab lishments classified to the industry (a)

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Including estimates for establishments not making satisfactory returns, non-response
Satisfactory returns accounted for 66 per cent of employment within the industry.

Analysis of establishments by size, 1976
All United Kingdom establ ishments classified to the industry (a)

| Size <br> group <br> (b) | Estab- <br> lish <br> ment | Enter- <br> prises <br> (c) | Employment |  |  | Wages and salaries (f) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\overline{\text { Total }}$ <br> (d) | $\begin{aligned} & \text { Opera- } \\ & \text { tives } \end{aligned}$ | Others <br> (e) | Operatives |  | Others (e) |  |
|  |  |  |  |  |  | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ |
|  | Number | Number | Number | Number | Number | $\bar{£}$ thousand | £ | £ thousand | £ |


| 1-10 | 474 | 453 | 2,331) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11-19 | 196 | 192 | 2,865) |  |  |  |  |  |  |
| 20-49 | 174 | 170 | $(5,481)^{\prime}$ | 10,368 | 4,329 | 29,512 | 2,846 | 14.172 | 3,274 |
|  |  |  | (730) |  |  |  |  |  |  |
| 50-99 | 69 | 68 | 4.730) |  |  |  |  |  |  |
| 100-199 | 55 | 53 | 7.542 | 5,207 | 2,323 | 15,245 | 2,928 | 7.891 | 3,397 |
| 200-299 | 16 | 15 | 3,863 | 2,701 | 1,162 | 7,394 | 2,737 | 3,965 | 3,412 |
| 300-399 | 7 | 7 | 2,521 | 1,738 | 783 | 4,860 | 2,796 | 2,416 | 3,085 |
| 400-499 | 5 | 5 | 2,211 | 1,228 | 983 | 3.498 | 2,849 | 3,254 | 3,310 |
| 500-749 | 10 | 8 | 6,330 | 4.302 | 2,028 | 13,108 | 3,047 | 6.178 | 3,046 |
| 750.999 | 4 | 4 | 3.610 | 2,312 | 1,298 | 7.576 | 3,277 | 4,559 | 3,512 |
| 1,000 and over | 4 | 4 | 4,950 | 2,991 | 1,959 | 9,358 | 3,129 | 6,392 | 3,263 |

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employees.
(b) Average number employed, including full and part-time employees (see table 7 ) and work ing proprietors.
(c) The sum of the figures for the size groups may exceed the total for the industry because some enterprises control establishments in more than one size group.
(d) Including working proprietors.
(e) Administrative, technical and clerical employees.

| 503,531 | 515,468 | 265,323 | 5,714 | 231,605 | 4,988 | 16,216 | 122,628 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(f) The cost of employers' contributions to national insurance, graduated pensions, other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at $£ 16,711$ thousand.
Sales of goods produced, capital goods manufactured, buildings constructed by establishments for their own use, work done,
industrial and non-industrial services rendered and merchanted goods.
New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery
Gross value added data relate to establishments employing 1-199.

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1976 All United Kingdom establishments classified to the industry

(a) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(b) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employee
(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
(d) Where a census return covered addresses in two or more regions an estimate was made of the net output and gross value added attributable to the region only where more than 80 per cent of the establishment's employees were located in the region. The estimate was made by assuming that net output and gross value added at each address covered by a return was proportional to employment at the address.
(e) Unallocated net output and gross value added covering establishments with addresses in two or more regions, plus estimates for unsatisfactory returns, non-response and establishments exempt because of size

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments emploving 20 or more persons, 1976

## Accounting year ended

1976
April (a)
May
June
Percentage of total returns received

per cent $\quad$| Percentage of total number employed |
| :--- |
| per cent |

1.7
1.5
2.5
July 1.0

August $\quad 1.5$

| September | 5.5 |
| :--- | :--- | :--- |
| 0.5 |  |


| October | 7.5 |
| :--- | :--- | :--- |
|  | 2.5 |

November $\quad 2.5$

December 45.3 47.8

1977 January | 3.0 | 0.8 |
| :--- | :--- | :--- |

February 2.0
March (b) 0.5

## From 6th April.

b) Including returns made for twelve-month period ended 1st to 5th April 1977.
table 7
Percentage analysis of employess, by full and part-time employment and sex, 1976(a)
Other machinery industries, minimum list heading 339

\section*{| Full-time |
| :--- |
| per cent |}


$\frac{\text { All employees }}{\text { per cent }}$

Male
Female
82
83
13
$4 \square$
Source: Department of Employment

The percentages relate to the numbers emploved (excluding working proprietors) in the United Kingdom in minimum list heading 339 at end June, 1976. In the 1976 Census of Production the employment of the Refrigerating machinery, space heating, ventiating and air conditioning equipment industry represented 22 per cent of the employment of minimum list heading 339 as a
whole.

Produced in Wales by Her Majesty's Stationery Office
Reprographic Unit, Cardiff

Notes
These notes give the main information needed for interpreting the figures in the industry Business
Monitors: more detailed information about the census is given in a separate Business Monitor -
PAlou1 (introductory Notes) of the Report on the PA1001 (Introductory Notes.
Census of Production, 1976.
general information
Changes made for 1976
The Census for is in line with similar
inauiries belng conducted in other member countries inquirles being conducted in other member countries of the European Economic com in the scone of the
small number of changes in the the small number of changes
Industry reports compared
separate headings for: separate headings for:
Sales of goods produced
Sales of goods produced
Recelpts for work done and industrial services
Amdered pald for hire of plant and machinery
Amounts paid for rent of industrial and
Amounts Amounts paid for rent of industrial and
commerclal buildings
Specific changes are explained in the introduction to the industry reports or by footnotes to the tables.
Suppression of information relating to individual undertakings
Sectlon (5) (b) of the Statistics of Trade Act 1947
states - "The following provisions shall have eeffect wlth respect to any report, summary or other
communication to the public of information obtained communication to the public of information obtained under the foregolng provisions of this Act -
in complifing any such report, summary or
communication the competent authority shall so arrange it as to prevent any particular
published therein from being identified as bein published therein from being identified as being
particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on
that undertaking, as the case may be; but this provision shall not prevent the disclosure of the provision shat
total quantlity or value of any articles produced,
sold or dellivered; so, however, that befor sold or dellivered; so, however, that befor
disclosing any such totai the competent authority disclosing any such total the competent author the them by any person who alleges that the disclosure thereot would enable particulars relating
to him or to an undertaking carried on by him to to him or to an undertaking carried on by him to
be deduced from the total disclosed." If a flgure involved disclosure the contributor
concerned was somet imes asked to give permission concerned was sometimes asked to give permission
for its publication. In the majority of cases permission was given. When it was refused and
where contributors were not approached the tigure where contributors were not approached the figure other figures, or as in the regional tables, by
omitting the figure altogether.

Symbols used
The fol lowing symbols are used throughout the PA
serles of Business Monitors: serles of Business Monitors:

- not avallable
flgures cannot be shown owing individual enter
disclosing information about ind
prises
revised
Rounding of figures
Fligures in the tables have, where necessary, been rounded to the nearest final digit. Where figures have been so rounded, the sum of the constituent
Items may not always agree exactly with the total
shown.

Industrial classification
The United Kingdom Standard Industrial
Classification (SIC) was first Issued In 1948 was subsequently revised in 1958 and 1968. It exists to promote uniformity and comparablity in
the official statistics of the United Kingdom. The general principles fol lowed are thase of the International Standard Industrial Classification
of all Economic Activities of the United Nations of all Economic Activities of the United Nations
statistical Office but the United Kingdom sic Statistical Office but the United Kingdom SIC
eflects the organisation and structure of eflustry and trade as it exists in the United Kingdom. The SIC is a classification by activity
and is not a commodity classification. However, and is not a commodity classification. However,
an index of all commodity headings for which sales data are provided in the Quarterly Business
Monitors, is published in Business Monitor PQ1000.

Statistical units
The statistical unit for the purpose of the Census
is the establishment which is defined in the SIC is the establishment which is defined in the SIC
as the smallest unit which can provide the as the smallest unit which can provide the
information normally required for an economic
census, for example, employment, expenses, turncensus, for example, employment, expenses, turn-
over, capital formation. Usually the princlpal over, capital formation usually the principal
activities carried on in an establishment fall
within a single heading of the classification wiog. steel making or sugar refining). Typically
(e) establishment embraces all the activities the establishment embraces all the activitles
carried on at a single address eog. a farm, a mine carried on at a singluding those which are ancillary and
to the principal activities. Frequently distinct
Fctivities characteristic of different industries activities characteristic of different industriles are carried on at one address, but normally these
are not classified separately and the whole
establishment is classlified according to the maln establishment is classified according to the malin
ectivity. If, however, the required range of data can be provided for each activity, each is taken oconstitute a separate establishment. Sometimes business are carried on at a number of addresses. Where this is so, businesses are asked to provide of each address; whether or not the activities are Iifferent. The ir activities may, however, be
integrated to such an extent that they constitute integrated stablishment. In the latter case the establishment is defined to cover the combined activities at these addresses (termed loca
units). Separate figures are obtained of Snits). Separate flgures are obtained och
employment and net capltal expenditure at each
unit in order to comile reglonal tatles unit in order to compile regional tables.
unforts are made by the Business Statistics Offic Efforts are made by the Business Statistics Offlc
to ensure, by negotiating with respondents, that to ensure, by negotlating with respondents, that
the return from an establishment does not cover the return from an establishment does not cove
local units or addresses in more than one of the
countries of the United Kingdom. countries of the United Kingdom.
Further information about the
Further information about the statistical unlt appeared in an article "The statistical unit in
business inquiries" in Statistical News No. 13 May 1971.
Establishments are asked to exclude from their Establishments are asked to exclude from thelr
returns particulars relating to any department no engaged in production eog. merchanting, transport,
warehousing, for which they keep a separate set of accounts. Transfers of goods produced to sucts are asked to value them as far as possible as sold to an independent purchaser. Where separate accounts are not kept they are asked io return
detalits of all these activities in thelr res real
particulars engaged in the administration of the productio engits within the scope of the census wer
included. Where more than one return was made the included. Where more than one return was made the
information in respect of the head office was apportioned among them. in the annual censuses
for certain purposes
production (especially the enterprise analyses of
$\begin{array}{lll}\text { Business Monitor PA1002) } & \text { related establishments } \\ \text { are combined. For these purposes an }\end{array}$
을 either a sing
establ Ishments

THE REGISTER
The register permits a questlonnaire to be sent direct to che reporting estabishment on which
the latter can include information relating to all
the manufacturing (or local) units which it comprises.
The inquirles provide a major source of information
for keeping the register continuously up-to-date for keeping the register continuously up-to-date
and act as a check on its detall and structure. for the establishments on the register making
-eturns to the quarterly inquiries, the industrial returns to the quarterly inquiries, the industrial
classification is derived from an analysis of their soles of commodities and is reviewed annually. Soles
Employment darns dat
returns returns to
cases where
to these in cases where an establ Ishment does not make a return information provided by toyment data are based on nent from the annual by the Department of EmployEstablishments with 20 or more employees ar
Included in the censuses each year and the infor htion they supply to the census is supplemented by
ane returns that those with 25 or more employees the returns that those with 25 or more employee
provide to the quarterly inquir ies. Informatio about establishments with fewer than 20 employee
In most industries is less securely based, b ncreasing use has been made of data on these
small establ Ishments suppl led by the Department of Employment. One benefit of using this information
is an Improvement in the estimates of the number of smal ler establishments and enterprises, but there s little effect on other aggregates
ment, output, net capital expend iture).
coverage
turn was required in the 1976 Census from each sistabl ishment ith 20 or more emp loyees. Each
ost issified to an industry, as defined in the SIC, whose principal products, form
the major part of the estabilishment's sales.
Reglons
he regions defined in Table 5 take account of the
boundary changes arising out of the Local
oundary changes arising out of the Local
Goverment Act 1972 and the Local Government Act
Scolt
 SorlI 1974 in England and Wales and May 1975 in
Scotland.

ERMS USED IN THE CENSUS REPOR

## Average number employed Establ ishments were

ff persons were required to state the number ear of return, whether full-time or partt-time amployees. Separate figures were required for:
(a) administrative, technical and clerical
(b) amployees other employees (operatives)

Averages could be calculated from the figures
lishments were also required to state the
number of working proprietors where appropriate and these are included in total employment
figure. Outworkers (i.e. persons employed by estabs lishments who worked in their own homes or orc.
on materials supplied by the establ ishment) are on materials supplied by the establishment) are
excluded. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could Working proprietors employed" for al persons regarded as "selfemployed" for national insurance purposes and
members of their familles who worked in the business without recelving a wage or salary; but such persons who worked less than half the normal
number of working hours are excluded. Directors definite wage, salary or commission are Included under this heading: directors pald by fee only are Amployees
Administrative, technical and clerical employees
include directors in receipt of a definite wage include directors in receipt of a definite wage
salary or commission, managers, superintendents and works foremen; research and design employee oother than operatives); draughtsmen, editorlal taff, adver isice Operatives Include all other classes of employees operatives include all other classes of employees,
that is, broadly speaking, all manual wage
earners. They include earners. They include operatives employed in
power stations, transport ${ }^{\text {inctivding roundsmen), }}$ war ehouses, stores, shops and canteens, warehouses, stores, shops and canteens,
Inspectors, maintenance workers and cleaners.
Operatives engaged in outside work of erecting Operatives engaged in outside work of erecting,
fitting etc. are also included, but outworkers are excluded
Capital expenditure
Capital expenditure
Capital expenditure during the year in respect of
manufacturing. units where production had not started before the end of the year is had not
Establishments wed. Establishments were asked not to deduct from the
value of capital expendlture amounts received or expected to be recelved in grants or allowances from the Government or any statutory body or local
author ity. Establishments with 100 or authority. Establishments with 100 or more
employees were asked to include a total net capital expenditure figure for each calendar year.
(a) New building work
This represents the

This represents the cost incurred during the year be nuw in connection with constructlonal work to the return. The value is that charged to capital
account during the year of return; it includes account during the year of return; it includes
expenditure on new bulldings and on the extensfion or reconstruction of old buildings, the value of works of a capital nature carried out by the
establishment's own staff and the cost of any establishment's own staff and the cost of any
newly constructed buldings purchased. Figures
shown shown include lega
commissions, etc.
(b) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost or premlum payable assets acquired in taking over an existing business), and the amounts recelvable for freeholds or easeholds disposed of. The value is return. (c) Plant, machinery and vehicles
The ttems shown are the value of plant and
machinery and of vehicles acquired, both new and machinery and of vehicles acquired, both new and
second-hand, and the amount recelved for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which
firms produced for their own use in connection with the business covered by the return. The value of capital account during the year of return less any discounts recelved, but including the cost of
transport and instaliation. Deductible value added tax is excluded but non-deductible value added tax tax is excluded acquired is included. No deduction is made for deprocliation, amortization or obsoles-
cence.
The proceeds of items disposed of during cence. The proceeds of items disposed of during
the year exclude amounts written-off for items the year
scrapped.
Cost of industrial services
Thls includes amounts payable to other firms for
work done on materlals supplied by the establish-
 including those in respect of rented buildings)
and amounts paid to other firms for contracts which and amounts paid to other firms for contracts which
have been sublet. Payments to outworkers are have been
Cost of non-industrial services
This includes rent of industrial and commercial bulidings, hire of plant and machinery, commercial insurance premlums, bank charges and amounts pald
for professional services, post office services, transport, advertising etc. Amounts payable on royalties for the right to use patents, trademarks,
copyrights etc., manufacturing and quarrying rights copyrights etc., manufacturing and quarrying
and technical "know-how" are also included.

Gross output In the calculation of gross output the value of In the calculation of gross output the value of
total sales and work done is tncreased by the rise total sales and work done is increased by the rise
(or reduced by the fall) during the year in the
value of work in progress and goods on hand for value red
vale.
Ne output
Net outpu
Net output output, a customary census measure, is
Net out
calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of materials etc.) and the cost of industrial
and where applicable, duties etc.

Net output per head
The figures of net
dividing the net output by the average number of persons employed (full and part-time) on all operatives, administrative, technical and clerical employees and working proprietors, but excluding

Gross value added at factor cost
Gross value added at factor cost is calculated by deducting from net output the cost of non-
Industrlal services ce.g. rent of buildings, hire of plant and machinery, commercial insurance premlums, bank charges and amounts pald for
professional services, post office services, professional services, post office services,
transport and advertising), rates (excluding water rates) and the cost of licensing motor venicles.
This estimate of gross value added aproaches This estimate of gross value added approaches more
closely than census net output to the deflnition closely than census net output to the definition
of net output or value added in national accounts statistics.
Gross value added at factor cost per head The figures of gross value added at factor cost per by the average number of persons employed (ful) and
ber part-time) on all activities covered by the
returns, including operatives, administrative technical and clerical employees and working proprietors, but excluding outworkers.
Purchases
Purchases
components, semi-manufactured goods and worksho,
materials: of replacement parts and consumabl materlals; of rep to capital account; of packagin
tools not charged to
materials of all types; materials of all types; of stationery and print
matter; of fuel, electricity and water. matter; of fuel, electricity and water;
materials to be used by the establishment or giv
out to other establishmets out to other establishments for the production machinery or other caplal items for the estab-
lishment's own use; of materials for use Iishment's own use; of materials for use by
establishment when working on goods supplled customers; and of food, etc. for any canteen covered by the establishment's return. Transters
of goods to the establishment from another depart of goods to the establishment from another depar
ment of the same firm not covered by establishment's return are included at a cost
corresponding to the estimated selling corresponding to the estimated selling value
recorded by the other department. Amounts paycou recorded by the other department. Amounts payable
to transport firms or credited to the firm's omn transport department for delivery of mater lals are excluded, as are all purchases of machinery and
plant charged to capital account.
Purchases of plant charged to capital account.
goods for merchanting or factoring have collected separately since 1973. The values shomm
exclude VAT. They include, in addition to exclude VAT. They include, in addition to the actual purchase price, the value of packaging
material charged to the establishment. The vallee of returned goods or packaging material returnea to suppliers and any trade discounts are excluded,
Materials purchased duty-paid are included at Materials purchased less any drawback, rebate,
duty-pald value, Tuty-paid of transport is included only if
The cost
included with the purchase price in the included with the purchase price in the accounts Imported goods are included at the
full delivered cost. If in the firm's accounts transport from docks or airport is not included in
the cost of goods purchased, the cost is entered at the cost of goods purchased, the cost is entered
c.l.t. plus duty (if applicable) c.i.t. plus duty (if appl cable). Led.

Sales of goods produced Sales for the purposes of the annual consuses means deliveriles on sale of goods made by estab-
lishments in the United Kingdom covered by the inquiry. Sales of goods made for these estab-
IIshments by outworkers or by other establishes lishments by outworkers or by other establishments
from materials given out to them and sales of from materials give end machinery or other capital items produced
and
establishments for hiring out or leasing are establishments for hiring out or leasing are
regarded as sales, the value included in the regarded as sales, the value included
return being that adopted in the establishments capital asset accounts. Forward sales and canteen takings are excluded, All sales in the period
the inquiry are included irrespective of when the goods were manufactured. Goods produced in one establishment and transferred el ther to ancillar departments not engaged in production for whic
there are separate accounts, or to another there are separate accounts, or to anothen
establlshment of the same firm not covered by the return, are treated as sales by the producin
establishment and valued as far as possible as they had been sold to an independent purchaser, organisations, for which separate accounts a kept are valued on the same basis. The value shown for sales is the "net se
value" defined as the amount rexcluding val valde" defined as the amount (excluding varged to customers whether on
added tax ex-works or delivered basis, after any
discounts and agents, commissions have discounts and agents commissions have
deducted. The cost of packing materials deducted. The cost of packing materlas
allowance for returnable cases is included. industries where products attract Excise Duty value stated is usually inclusive of duty if so
duty-paid and exclusive of duty if sold in bond duty-paid
exported.
Work done and industrial services rendered Work done and industrial services rendered
Figures for work done represent the amount charge for work carrled out on materlals supplied by
customer and include repair work. Within oortol
industries this heading covers a wide variety of industries for example, within the food sector
activities, octlor packed on commission; within the textlile
butustries - making up of garments, fur dressing
ind industries - making up of garments, fur dressing
and textile finishing; within printing and puband textion - preparatory work on type-setting, block
ilshing
making and binding. Work done is also significant IIshing and binding. Work done is also significant
making
in the electrical machinery and heavy engineering in the electrical machinery and heavy engineer ing
industries, covering erection, instaliation and repalir and jobbing work. Other activities within
this heading include exploration work, research and thepals heading include exploration work, research and
thivelopment, glass cutting and dressing and planing of timber. Industrial services rendered inctal lation work, and technical
naintenance, essearch and studies for other organisations.
Capital goods produced for establishments' own use
This includes all work of a capital nature carrled out during the year by the establishments' own staff for their own use.
Non-Industrial services rendered
This Includes rents
This includes rents recelved for commercial and
industrial buildings, amounts charged for indus plant, machinery and other goods and amounts charged to other organisations for the provision of thensport. to use patents, trademarks, copyrights otco, manufacturing and quarrying rights and technical "know-how" and
facillities as canteens.
Goods merchanted or factored
llarchanted goods are those (excluding canteen
sales) sold without having been subjected to any sales) sold without having been subl
manufacturing process by the seller.

Stocks and work in progress
Values are glven of stocks of goods on hand for
sale and of materials, stores and fuel, sale and of materials, stores and fuel, at the end
of the year of return and of the change during the
year of the year of return and of the change dur ing the
year, including any stocks of goods held for
nerchanting or factoring. Work in progress is norchanting or factoring.
doftined as mater tals which have been progrtially
processed defined as materlals which have been partially
processed by the establishment but which are not
isually sold or transferred to another establisually sold or transferred to another estab-
lishment without further processing. The values lishment without further processing. The values
Include the cost of mater lals consumed and labour used together with a margin of overhead costs and profits. Progress payments made to sub-
contractors are excluded and progress payments contractors are excluded and progress payments
ocelved from other organisations are not
oeducted

Kages and salar les
hese are amounts paid during the year to
operatlves and to administrative, technical and
clerical employees.
 luded. The values shown incluse all not, arertime eogularly or not, and no deduction is made for Income tax, insurances, contributory pensions etc. The value of redundancy payments less any amounts eimbursed from Government sources is Included.
The value of any payments in kind, travelling
oxen expenses otc. is excluded.
Remuneration paid to outworkers
The remuneration paid to outworkers (1.e. persons
employed by the establ ishment who do their work in the ir own homes) is generally on basis. Only amounts pald to outworkers whose names appear on the establishment's payroll are included.
Amounts pald to outworkers by sub-contractors are
oxcludel excluded.
Enployers' Insurance and welfare contributions hational insurance and graduated penslons (and/or earnings insurance and graduated pensions (and/or
related basic contributions under the

Soclal Security Act, 1973) as well as commercial insurance premlums to provide pensions, super-
annuation or other retirement beneflits, sickness annuation or other retirement benefits, sickness
benefits, personal accident benefits, disability or death benefits for employees or former
employees or their dependants. Contributions to the running costs of canteens, social contres, children's and holiday homes, etc. for employees,
former employees and thelr dependants are also
Included.
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[^0]:    Table Title

