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**INTERNATIONAL STANDARD**



**3661**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **End-suction centrifugal pumps — Baseplate and installation dimensions**

*Pompes centrifuges à aspiration en bout — Dimensions relatives aux socles et à l'installation*

**First edition — 1977-02-15**

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**(standards.iteh.ai)**

[ISO 3661:1977](https://standards.iteh.ai/catalog/standards/sist/837eb4cf-1ecd-4921-a8ce-a212366f2f4d/iso-3661-1977)

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**UDC 621.671**

**Ref. No. ISO 3661-1977 (E)**

**Descriptors :** centrifugal pumps, specifications, holders, installing, dimensions.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3661 was drawn up by Technical Committee ISO/TC 115, *Pumps*, and was circulated to the Member Bodies in February 1975.

It has been approved by the Member Bodies of the following countries :

Belgium	Italy	Sweden
Brazil	Mexico	Switzerland
Czechoslovakia	Netherlands	Turkey
France	Poland	United Kingdom
Germany	Romania	Yugoslavia
Hungary	South Africa, Rep. of	
Israel	Spain	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Australia  
Canada  
Japan  
U.S.A.

# End-suction centrifugal pumps — Baseplate and installation dimensions

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### 1 SCOPE

This International Standard specifies the basic baseplate and installation dimensions for end-suction centrifugal pumps. Alternative numbers and locations of baseplate fixing holes are given to suit individual installations.

[ISO 3661:1977](http://standards.iteh.ai/catalog/standards/sist/8576b4cf-1ecd-4921-abce-012272741b-3661)

ISO 2858, *End-suction centrifugal pumps (rating 16 bar) — Designation, nominal duty point and dimensions.*

IEC Publication 72, *Dimensions and output ratings for rotating electrical machines — Frame numbers 56 to 400 and flange numbers F55 to F1080.*

### 2 FIELD OF APPLICATION

The dimensions and other data given in this International Standard are intended primarily for use with centrifugal pumps in accordance with ISO 2858, coupled to foot-mounted electric motors for installation on a foundation.

Where suitable, this International Standard may be used for other types of pump.

### 3 REFERENCES

ISO/R 273, *Clearance holes for metric bolts.*

### 4 BASEPLATE DIMENSIONS

The dimensions and the reference numbers of baseplates are given in figure 1 and table 1.

### 5 BASIC INSTALLATION DIMENSIONS

The baseplate number appropriate to a given pump designation and the corresponding electric motor frame number are obtained from table 2.

The dimensions of the baseplate corresponding to this number are then obtained from table 1 and the basic installation dimensions from the last four columns in table 2.

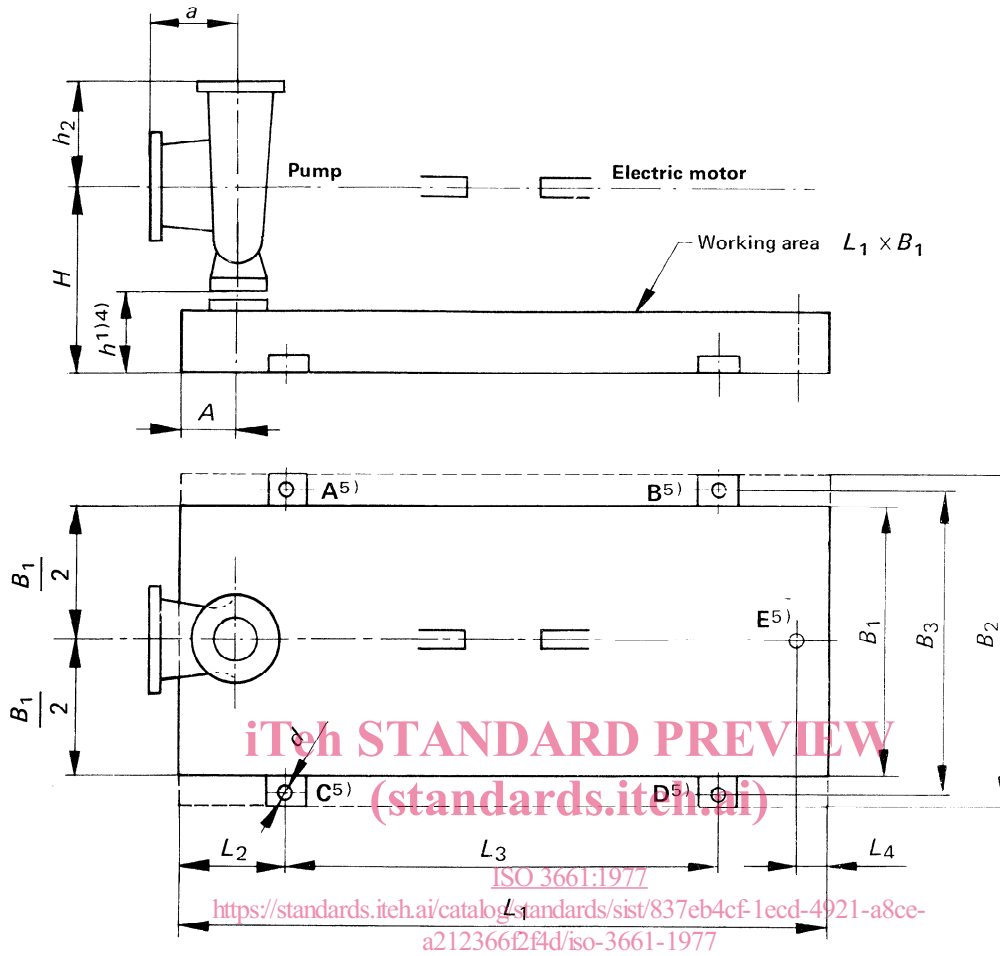


FIGURE 1 – Basic baseplate and installation dimensions

TABLE 1 – Baseplate reference numbers and dimensions

Dimensions in millimetres

Baseplate No.	2	3	4	5	6	7	8	9
$L_1^{(6)}$	800	900	1 000	1 120	1 250	1 400	1 600	1 800
$L_2$	130	150	170	190	205	230	270	300
$L_3$	540	600	660	740	840	940	1 060	1 200
$L_4 \pm 25$	35	35	40	40	45	50	55	55
$B_1$	270	300	340	380	430	480	530	600
$B_2$	360	390	450	490	540	610	660	730
$B_3$	320	350	400	440	490	550	600	670
$h_{max}$	125	125	125	140	160	180	200	200
$d^*$ : clearance hole for bolt	M16	M16	M20	M20	M20	M24	M24	M24

\* To ISO/R 273 (coarse series).



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