

International Standard



7652

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

Road vehicles — Base-mounted air compressors, single cylinder V-belt drive — Mounting dimensions

Véhicules routiers — Compresseurs à air à base plate, monocylindres, à entraînement par courroie — Dimensions de montage

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ISO 7652:1983

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Descriptors : road vehicles, air compressors, interchangeability, dimensions, dimensional tolerances.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 7652 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in September 1982.

It has been approved by the member bodies of the following countries :

Austria	Germany, F.R.	Poland
Belgium	Hungary	Romania
Brazil	Iran	Spain
Bulgaria	Italy	Sweden
China	Japan	Switzerland
Czechoslovakia	Korea, Dem. P. Rep. of	United Kingdom
Egypt, Arab Rep. of	Netherlands	USSR
France	New Zealand	

No member body expressed disapproval of the document.

Road vehicles — Base-mounted air compressors, single cylinder V-belt drive — Mounting dimensions

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1 Scope and field of application

This International Standard specifies the dimensional requirements for interchangeability of base-mounted air compressors, single cylinder V-belt drive, mounted on commercial vehicles and buses.

2 References

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ISO 6519, *Tapers for shaft ends and hubs for fuel injection pumps*

ISO 6786, *Road vehicles — Air braking systems — Identification of connections on units*

3 Dimensions and tolerances

See the figure and table 1.

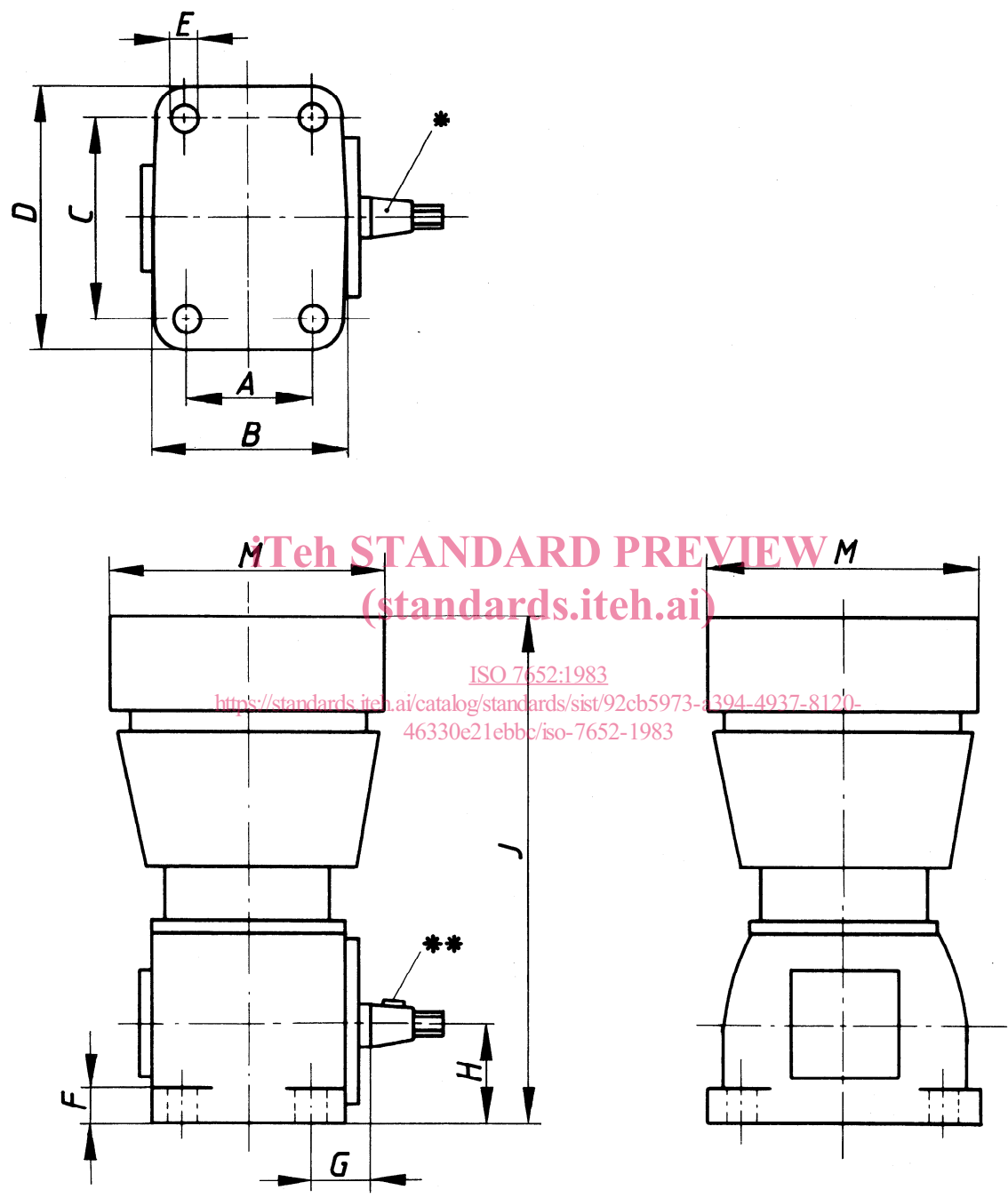


Figure — Base-mounted air compressor, single cylinder V-belt drive

Table 1 — Dimensions and tolerances

Dimensions and tolerances in millimetres

Type	Cylinder capacity cm ³	A ±0,2	B max.	C ±0,2	D max.	E H 13 (+ 0,22 0)	F ± 1	G ± 1	H ±0,2	J max.	M max.	Nominal shaft diameter (see ISO 6519)
1a	≤ 200	75	105	110	140	8,5	20	23	60	270	126	25 or 30
1b	> 200									320	150	
2a	≤ 200	50	70	116	134		75	51,5	53	252	126	
2b	> 200	75	140	110	150		20	35	60	320	150	

4 Identification of pipe connections

Table 2 — Identification of pipe connections

Identification code ¹⁾	Function of pipe connection	Threads	Minimum thread length mm
0	Suction connection	M26 × 1,5	13
2	Energy delivery	M26 × 1,5	13
81	Lubricating oil inlet	M10 × 1	11
82	Lubricating oil outlet	M22 × 1,5 or without thread	11
91	Cooling water inlet	M22 × 1,5	11
	Cooling oil inlet	M14 × 1,5	
92	Cooling water outlet	M22 × 1,5	11
	Cooling oil outlet	M14 × 1,5	

1) According to ISO 6786.

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