



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	MED 20 - Pumps
2.	IS No :	IS 9542 : 1980
3.	Title :	Specification for horizontal centrifugal monoset pumps for clear, cold, fresh water
4.	Date of Previous Review:	December, 2017

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	-	-	-	-	Assistance has not been taken.

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 5120 : 1977	Technical requirements for rotodynamic special purpose pumps	Since 1980	No change.	-	Information will remain the same.
2	IS 210 : 1978	Specification for grey iron castings	Since 2009	Refer cast iron grade FG 200 is available in this current revision of IS 210.	-	Information will remain the same.
3	IS 318 : 1962	Specification for leaded tin bronze ingots and castings	Since 1981	Refer grade of leaded tin bronze has been updated in this current revision of IS 318:1981.	-	Refer grade should be updated in this current revision.
4	IS 996 : 1964	Specification for single-phase small ac and universal electric motors	Since 2009	No change.	-	Information will remain the same.
5	IS 325 : 1970	Specification for three-phase induction motors	Since 2018	Refer standard IS 325:1970 has been superseded by IS 12615:2018.	-	Refer standard designation should be updated in this current revision.
6	IS 9137 : 1978	Code for acceptance tests for centrifugal, mixed flow and axial pumps $i_c^{1/2}$ Class C	Since 2019	No change.	-	Information will remain the same.
7	IS 2500 (Part 1) : 1973	Sampling inspection tables: Part I Inspection by attributes and by count of defects	Since 2000	Refer standard IS 2500(Part-1) has been superseded by IS 2500(Part 1):200/ISO 2859-1:1999	-	Refer standard designation should be updated in this current revision

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	-	-	-	International/ other national standard was not found.

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	Industry Association	IPC has been published a document on Technology Developments Improve Centrifugal Pump Systems. (This development is not for Particularly Moonset Pump, it covers all types of centrifugal pumps. But this is also applicable for this.) Details are given in following the link. https://www.pumpsandsystems.com/technology-developments-improve-centrifugal-pump-systems	-	The committee may considered the comment while reviewing the IS.

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

5.7 Any consequential changes to be considered in other IS.

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
No entry made in this table			

Other Details

6.	Any other observation:	1. Illustrative diagram should be provided in this current revision. 2. Can be provided bearing specification shall be confirmed from the following standard. IS 5932 : 2019/ ISO 104 : 2015 (Rolling bearings - Thrust bearings - Boundary dimensions, general plan) IS 5933: 2019/ISO 199: 2014 (Rolling bearings - Thrust bearings - Geometrical product specification (GPS) and tolerance values)
7.	Upload Supporting Document(s)	
7.1 ARP Report		IS 9542 MED 20 report.docx
7.2 Draft Document		68_16937_240808122241_Draft_Document.pdf
8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	The committee may consider the above information.