

ISO 4679:2023-06 (E)

Ships and marine technology - Hydraulic performance tests for waterjet propulsion system

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms, definitions, symbols and abbreviated terms	1
4	Measurement and acceptance criteria	3
4.1	General.....	3
4.2	Measurement range.....	4
4.3	Stable operating conditions of measuring systems.....	4
4.4	Evaluation of flow and head.....	5
4.5	Evaluation of efficiency or power.....	5
5	Measurement uncertainty	6
5.1	General.....	6
5.2	Statistical evaluation of overall measurement uncertainty.....	6
5.2.1	Evaluation of the random uncertainty.....	6
5.2.2	Evaluation of the systematic uncertainty.....	6
5.2.3	Overall uncertainty.....	7
5.2.4	Determination of overall uncertainty of efficiency.....	7
5.3	Conversion.....	8
5.3.1	Conversion to the guarantee conditions.....	8
5.3.2	Translation of the test results.....	8
6	Test method	9
6.1	Test condition.....	9
6.1.1	Test location.....	9
6.1.2	Test personnel.....	9
6.1.3	Test date.....	9
6.1.4	Test outline.....	9
6.1.5	Environment and water quality.....	9
6.2	Test device.....	10
6.3	Test items.....	10
6.3.1	General.....	10
6.3.2	Performance test.....	10
6.3.3	NPSH test.....	11
7	Test report	11
Annex A (informative) Test report		12
Annex B (informative) Working section of the test device		15
Bibliography		18