

GP 10-13-01	Special Purpose Centrifugal Fans	January 2002
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Special Purpose Centrifugal Fans

GP 10-13-01

Scope

- 1) [I] This Global Practice (GP) refers to API STD 673-1, 1st Edition, January 1982, which is a part of this GP.
- 2) [I] This GP covers special purpose fans, including their associated driver, power transmission, and auxiliaries, which are designed for operation at developed discharge pressure of less than 5 psi (34 kPa) from atmospheric pressure.
- 3) [I] API STD 673-1, Special-Purpose Centrifugal Fans for General Refinery Service, has not been revised since its first edition, 1982, and has been withdrawn by API. Nevertheless, ExxonMobil GPs for centrifugal fans are based on this standard. API STD 673-1 shall therefore be the standard for purchase of fans.
- 4) [I] All specifications in this GP are additions to those of API STD 673-1 unless specifically noted as exceptions. Paragraph numbers in this GP which do not appear in API STD 673-1 are new paragraphs.
- 5) [I] An asterisk (*) indicates that a decision by Purchaser is required or that additional information is furnished by Purchaser.

Note: A bullet (•) is shown in API STD 673-1 indicating that a Purchaser's decision is required.

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1. Required References

[I] This Section lists Practices and Standards which shall be used with this GP.

1.1. Global Practices–ExxonMobil Engineering Practices

GP 02-01-01	Plant Noise Design Criteria
GP 10-11-01	Sizing of Drivers and Transmissions for Compressors, Fans, and Pumps
GP 10-14-01	Lube and Seal Oil Systems for Machinery
GP 18-07-01	Welding Procedures
GP 18-10-01	Additional Requirements for Materials
GP 18-12-01	Positive Material Identification
GP 20-01-01	Inspection of Equipment and Materials

1.2. API–American Petroleum Institute

API STD 673-1	(Withdrawn) Centrifugal Fans for Petroleum, Chemical and Gas for Industry Services First Edition
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2. Additional Requirements

* [I] The following Practices and Standards shall be used with this GP as specified by Purchaser

2.1. Global Practices–ExxonMobil Engineering Practices

GP 10-07-01	General Purpose Steam Turbines
GP 10-10-01	Special Purpose Gear Units
GP 16-09-01	Low Voltage AC Motors Up to 200 HP (150 kW)
GP 16-09-02	AC Motors: Medium Voltage and Low Voltage Over 200 HP (150 kW)

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2.2. ASME–American Society of Mechanical Engineers

Unless specific references to the ASME Code are listed, an IHS link to the Introduction is provided to facilitate accessing the relevant parts of the Code.

ASME SEC VIII D1	BPVC Section VIII - Rules for Construction of Pressure Vessels - Division 1
ASME SEC VIII D1 B PT UW	Part UW Requirements for Pressure Vessels Fabricated by Welding

2.3. ASTM–American Society for Testing and Materials

ASTM A 193/A 193M	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service
ASTM A 194/A 194M	Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both
ASTM A 488/A 488M	Standard Practice for Steel Castings, Welding, Qualifications of Procedures and Personnel
ASTM B 111	Standard Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock

2.4. NACE–National Association of Corrosion Engineers

NACE MR0175	Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment Item No. 21304
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2.5. NEMA–National Electrical Manufacturers Association

NEMA SM 23	Steam Turbines for Mechanical Drive Service
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3. Revision to API Standard 673

[I] All headings contained herein correspond to paragraph numbering within API STD 673-1 and reflect additions, substitutions, modifications, and deletions. All provisions not modified or deleted remain in force.

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