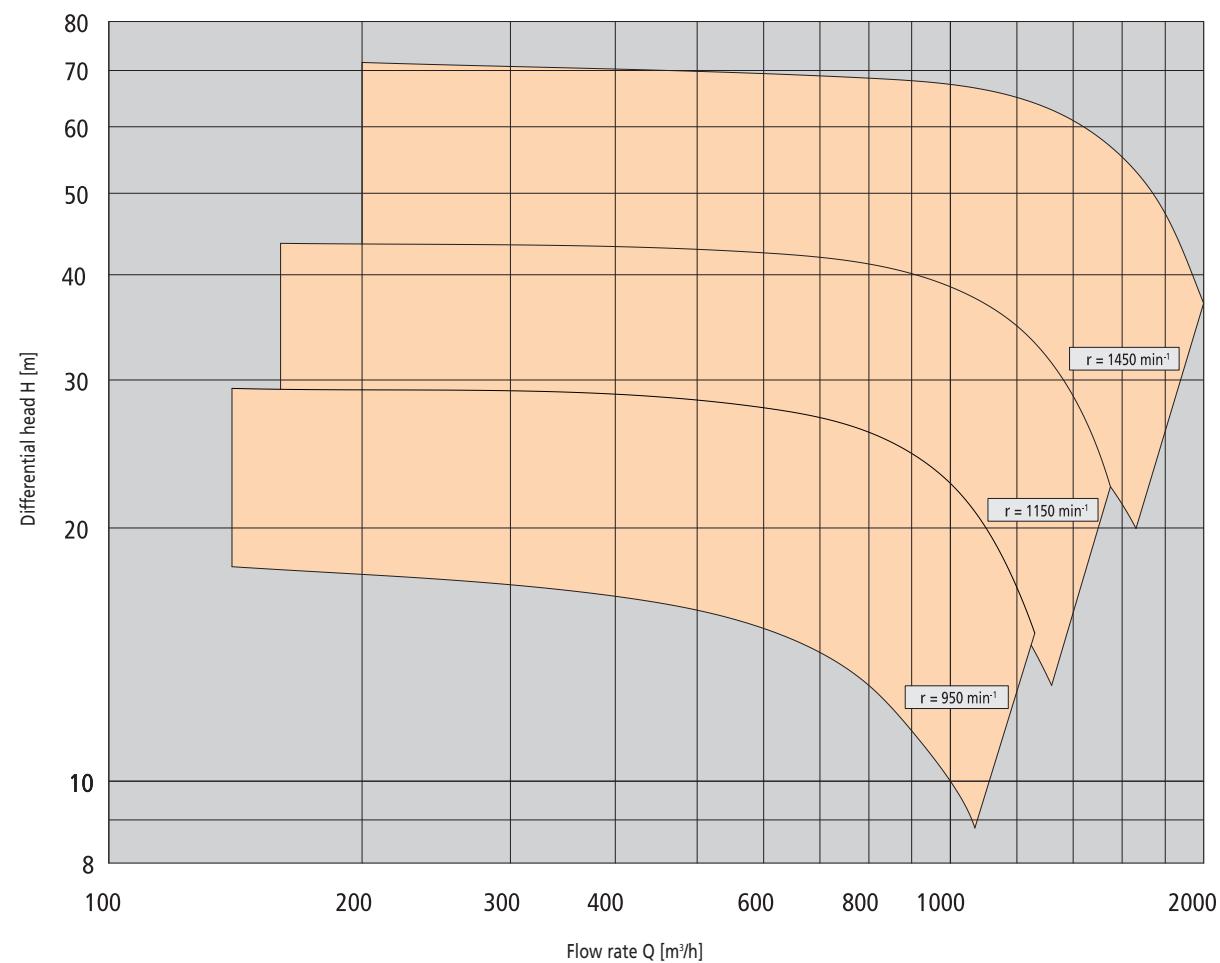
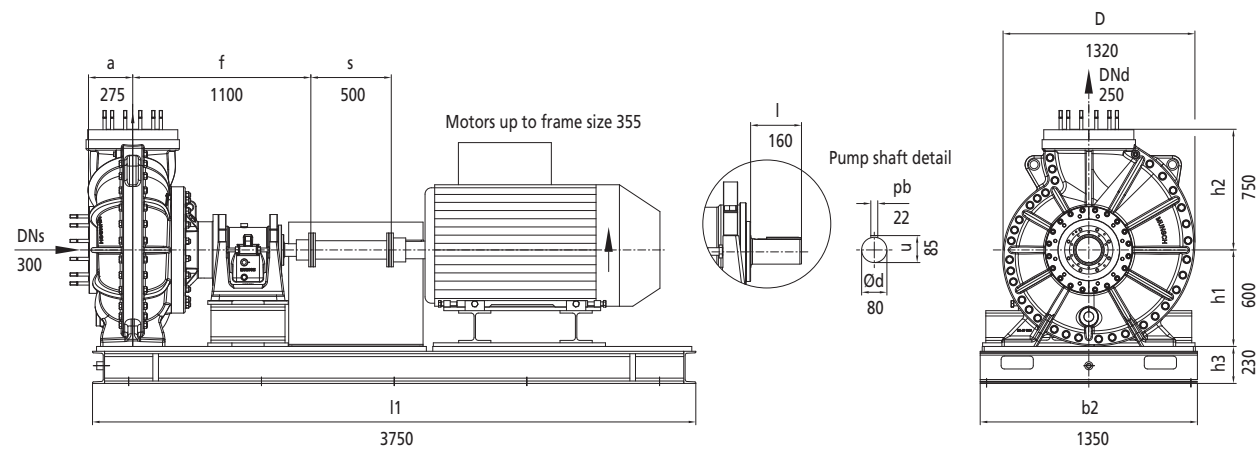


▲ Dimensions



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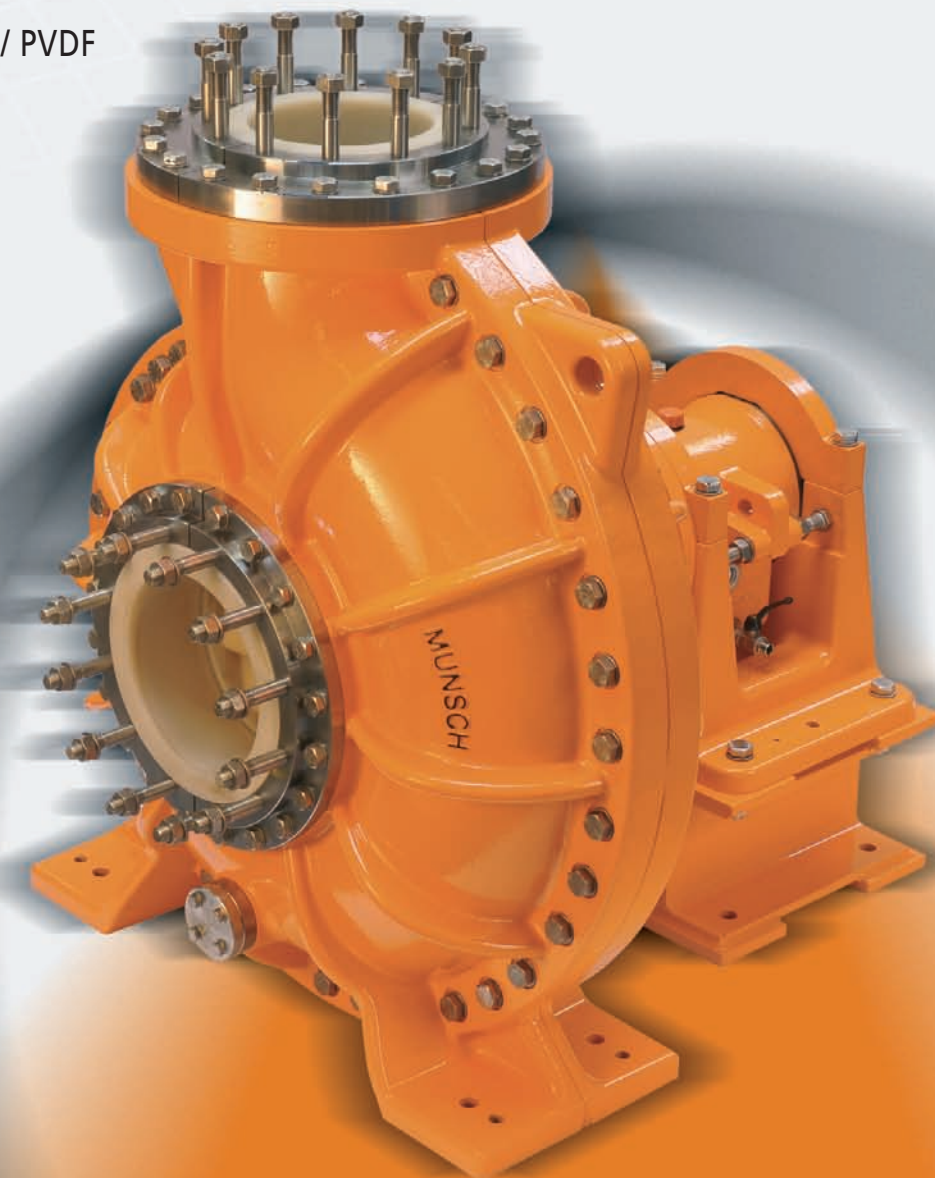
Plastic Pumps for Aggressive Media

MUNSCH MAMMUT

**Chemical Centrifugal Pump
 NPC 300-250-400**

With Mechanical Seal

In PP / PE-UHMW / PVDF



Chemical Centrifugal Pump MUNSCH MAMMUT

Applications

The type NPC MUNSCH MAMMUT pump is specifically designed to handle acids, alkalis or chemically contaminated fluids with or without solids loads. Typical applications include the chemical and metallurgical industries, the metal finishing industry, steel and stainless steel pickling lines, evaporation and regeneration units, flue gas cleaning systems downstream of waste incinerators as well as exhaust gas scrubbing and scrubber effluent treatment.

Construction

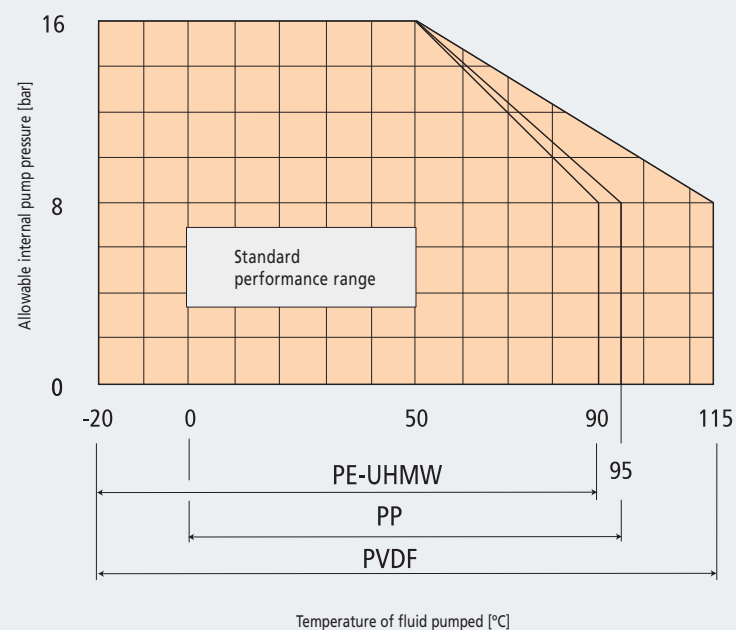
Horizontal centrifugal pump with volute casing and single-entry, single-stage radial impeller. Meets the technical requirements for Class II centrifugal pumps as per EN ISO 5199.

Materials

Volute casing / impeller / casing cover fabricated from PP / PE-UHMW (upon request) / PVDF
Casing armour: EN-JS 1025
Bearing bracket: EN-JS 1030
Stationary and rotating seal rings: SSiC
Secondary seals: FPM / EPDM / FFPM

Performance data

Pump capacity [Q]:	up to 2000	m³/h
Differential head [H]:	up to 70	m
Solids content:	up to 10	Vol.-%
Particle size:	up to 15	mm
Motor rating [P]:	up to 450	kW



▲ Single mechanical seal

Direction of rotation-independent, metal-free MUNSCH-REA-IV mechanical seal, insensitive to solids

▲ Double mechanical seal

Shaft sealing solution for fluids posing an environmental hazard

▲ Tolerant of solids

Deflector keeps solids clear of shaft passage.

▲ Excellent wear allowance

Volute casing with wall thicknesses > 30 mm

▲ Flange connection

Standard design to DIN 2533, PN 16,
Alternatively: - to ANSI B16.5, Class 150,
- to JIS B2210, Class 10K

▲ Impeller

High efficiency, low NPSH requirements

▲ Impeller mounting

Unaffected by reverse rotation

▲ Steep pump characteristic

Exact operating point

▲ Adjustable diagonal clearance

Axial clearance between impeller and volute casing adjusted via the bearing bracket.

▲ Maximum containment

Intermediate lantern without side openings

▲ Mounting

All components bolted with metal-to-metal fit
No adjustment or alignment needed for mechanical seal

▲ Drive

Three-phase a.c. motor, frame type B3 to IEC, B5 or NEMA;
type of protection, flameproof enclosure and motor voltage to customer specifications.

▲ Painting

Paint system for metallic pump components
Base coat: epoxy resin powder primer;
Top coat: PU-based powder finish, RAL 2003, pastel orange. Total dry film thickness 130 -150 µm.
Special coatings available on request.

