TSURUMI PUMP

50GP

**3-phase
50Hz**

Sewage pump with cutter mechanism
wet-well and dry-well installation, IE3 premium
efficiency motor, moisture sensor

Open multi-vane channel impeller with cutting
mechanism. This construction ensures that
fibrous foreign matter is cut up and sewage is
transferred without clogging.

Cutting mechanism

Open multi-vane channel impeller with cutting mechanism, consisting off a stationary cutting ring and a rotating knife.
Entrained particles are crushed in a matter of seconds, piping diameters of DN50 are suitable. Minimization of material costs and costs for relocation.
The kind of solids as well as the maximum free-passageneed to be considered carefully when choosing the pump. For support, please contact Tsurumi (Europe) GmbH or your local Tsurumi-dealer

Optional Accessories:

• duck-foot for guide rails:
  - guide support
  - duck foot
• Bend
• Stand set for free-standing version

Available options

• Explosion proof version
• Oil sensor
• Motor version start-delta-start
• All pumps can be operated with soft-starter and frequency-converter
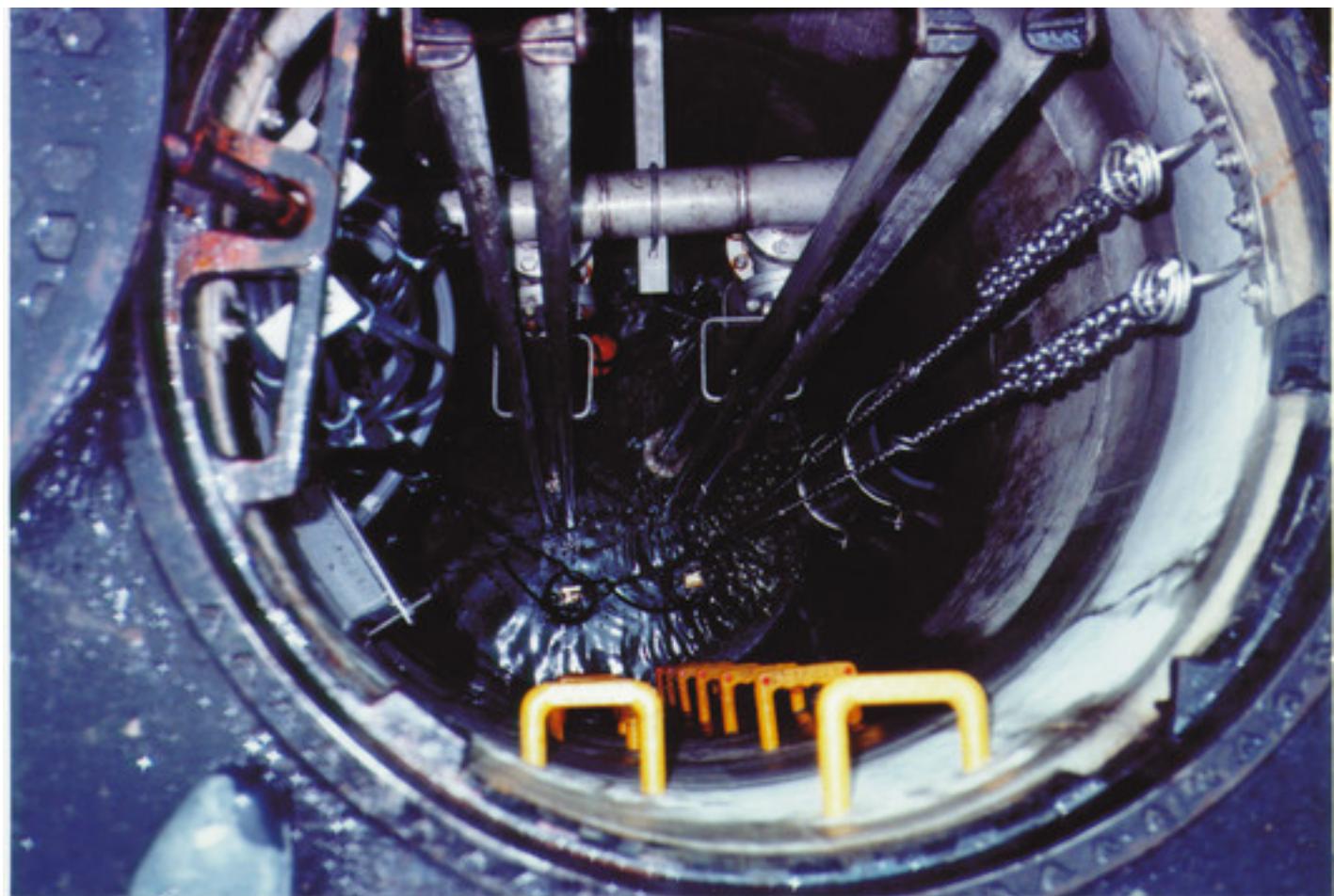
Specifications:

Model		Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable	
free standing	with guide rail fitting									free standing	with guide rail fitting
50GPM26.4	TOS50GYM26.4	⬤ 1	50	6,4	3	2850	42,0	510	star/delta	108,0	104,0
50GPM26.4H	TOS50GYM26.4H	⬤ 2	50	6,4	3	2850	52,0	510	star/delta	108,0	104,0
50GPM29.5	TOS50GYM29.5	⬤ 3	50	9,5	3	2850	68,0	510	star/delta	111,0	107,0

| ø Discharge bore mm			50mm
Pumping Fluid	Type of Fluid		Municipal sewage
	Temperature		0-40°C
Pump	Components	Impeller	Multi-vane channel impeller with cutting mechanism
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Grey iron casting EN-GJL-250
		Casing	Grey iron casting EN-GJL-250
		Shaft Seal	SiC, upper in oil bath
		Cutting device	Stainless steel EN-X39CrMo17-1
Motor	Lubrication		Turbine oil (ISO VG32)
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Type, Poles		Induction motor, 2 poles, IP68
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X5CrNiMo17-12-2
		Cable	Rubber, 10m H07RN8-F
Discharge Connection			Flange DIN/ANSI DN50 (PN10)
Optional Accessories			Guide rail fitting "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types
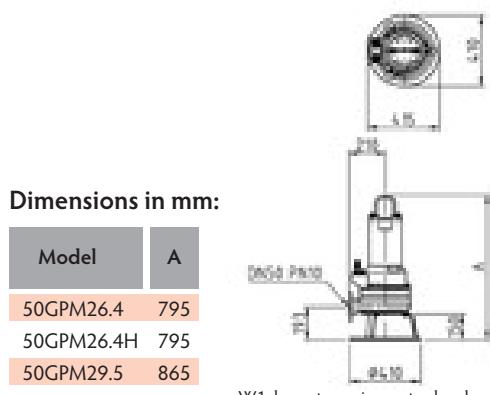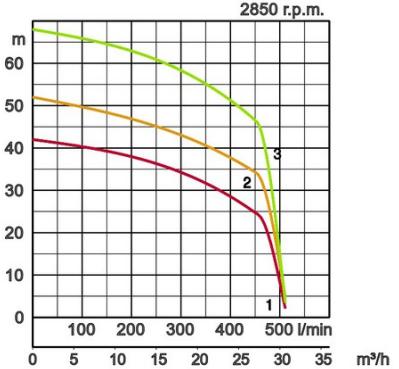
Dimensions in mm:

Model	A
50GPM26.4	795
50GPM26.4H	795
50GPM29.5	865

W1: lowest running water level

Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately

Dimensions - guide rail fitting type in mm:

Model	B
50GPM26.4	815
50GPM26.4H	815
50GPM29.5	885

6,4kW-9,5kW
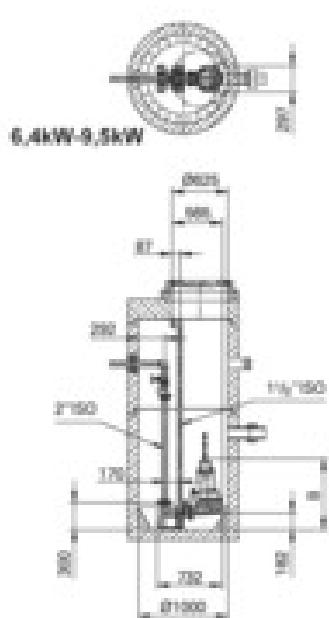
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