



# Vertical Turbine Brochure

## **SAM**engineering

Customised Pump Solutions



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*SAMCO Vertical Turbine pumps are designed to handle clean water as well as other clean, clear non-corrosive liquids without solids. Their compact, space-saving design makes them ideal as booster pumps, as well as for many other applications: air conditioning, cooling condenser or diesel engine jackets, dewatering, line boosting, recirculation and filter backwashing.*

## Vertical Turbine Pumps: Advantages of Design

**MODULAR CONSTRUCTION:** The modular construction assures complete flexibility in selecting a pump to meet all of your needs, plus quick availability of parts and assemblies where changes are necessary.

**STANDARD DESIGN:** Pumps are assembled from pre-engineered standard components.

**COMPACTNESS:** These pumps require only a fraction of the floor space needed for a comparable horizontal unit, ideal where space is limited.

**PRIMING:** The pump bowls can be completely submerged in the pumped liquid which would assure the pump is primed at all times, thus eliminating the need for expensive priming equipment.

**OPEN LINE SHAFT:** This is used for applications where the pumped liquid is suitable for lubricating both bowl and line shaft bearings.

**BOLTED BOWL:** The bowls and suction bell are bolted together, allowing for ease of disassembly when maintenance is required.

**COLUMN CONNECTIONS:** Either screwed type or flange type connections are available on column sizes 3" through 12".

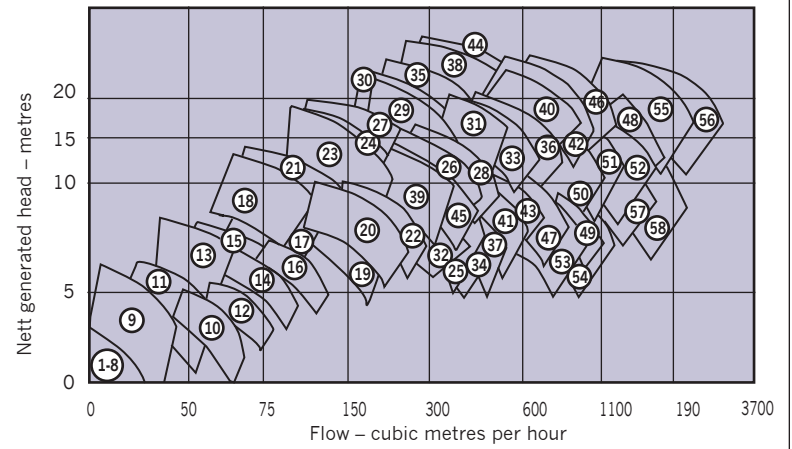
Column sizes above 12" are only available with flange type connections.

**IMPELLERS:** The impellers are of the enclosed type and are secured to the shaft with steel locking collets.

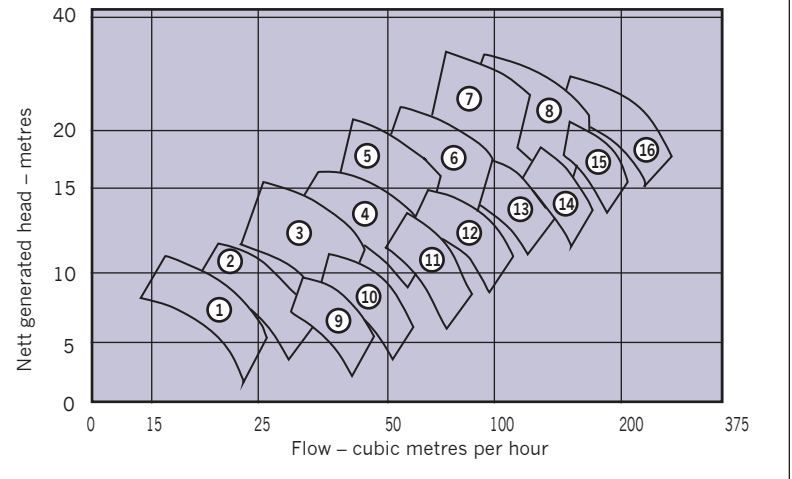
**SHAFT SEALING:** The standard design utilises a packed stuffing box located in the discharge head. Optional inside or outside mechanical seals are available.



## 1450, 970, 720 RPM

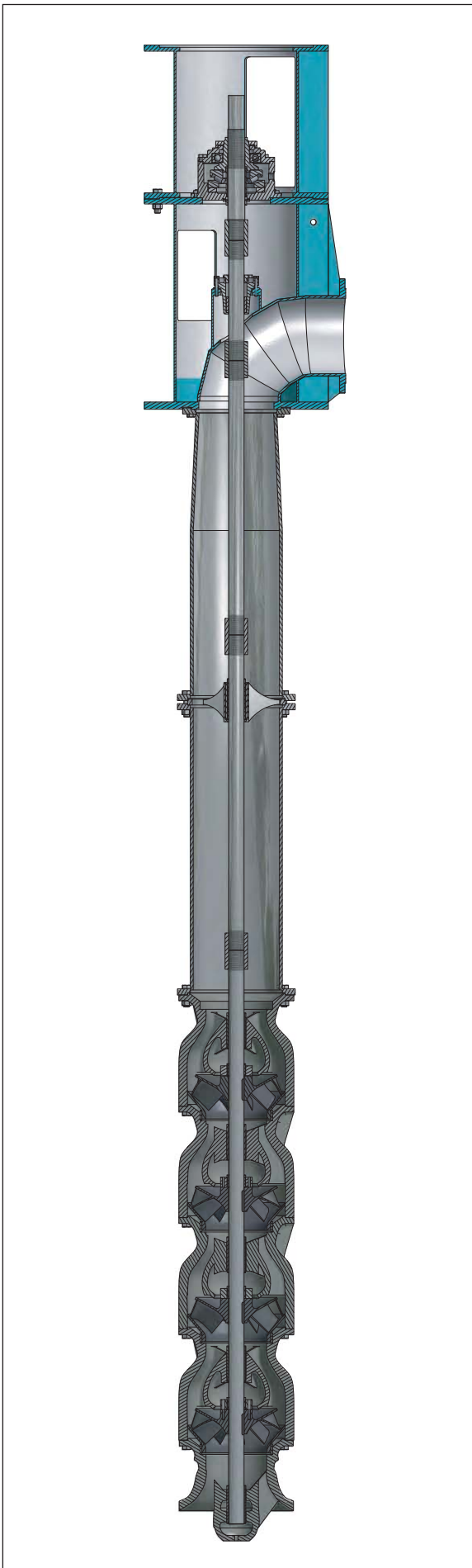


## 2900 RPM



Key No.	Pump Size and Type	RPM
29	M14VTSC	1450
30	M14VTMC	1450
31	H14VTSC	1450
32	H14VTSC	970
33	H14VTMC	1450
34	H14VTMC	970
35	M14VTLC	1450
36	H14VTLC	1450
37	H14VTLC	970
38	M16VTMC	1450
39	M16VTMC	970
40	H16VTSC	1450
41	H16VTSC	970
42	H16VTMC	1450
43	H16VTMC	970
44	M16VTLC	1450
45	M16VTLC	970
46	H16VTLC	1450
47	H16VTLA	970
48	K18VTLC	1450
49	K18VTLC	970
50	H20VTSC	970
51	H20VTMC	970

Key No.	Pump Size and Type	RPM
52	H20VTLC	970
53	H20VTMC	720
54	H20VTLC	720
55	H24VTMC	970
56	H24VTLC	970
57	H24VTMC	720
58	H24VTLC	720







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