

Immersible Vertical Centrifugal Pumps

GRUNDFOS **MTR/MTC/MTA**

The Grundfos MTR, MTC and MTA pumps are vertical multi and single stage centrifugal pumps designed for pumping of cooling lubricants for machine tools, condensate transfer and similar applications. All models are designed to be mounted on top of tanks with the pump stack immersed in the pumped liquid.

The MTR and MTA pumps consist of two separate main components: the motor and the pump unit. The MTC pump is close coupled and the motor and pump end cannot be separated.



KEY FEATURES AND BENEFITS

MTR MODELS

- Heavy-duty, multistage pumps that offer a unique hydraulic design and an unequalled performance range
- Cartridge shaft seal and a universal flange system enables rapid replacement and ensures reliability
- Special priming screw in allows for liquid levels down to 1 inch (25 mm) and protects against dry running

MTC MODELS

- Multistage pumps designed for applications that require high performance and compactness
- The motor and pump form an integral, compact unit consisting of only a few components
- Standard models can be customized to suit individual requirements according to specifications

MTA MODELS

- Singlestage, compact pumps designed especially for filtering systems in the machine tool industry
- Efficiently transports liquid containing chips, fibers and abrasive particles on to the filtering unit
- Maintenance-free construction does not contain shaft seals or other wear parts
- Available in 9 different flow variants, offered with a choice of bottom suction or suction from the top of the volute

APPLICATIONS

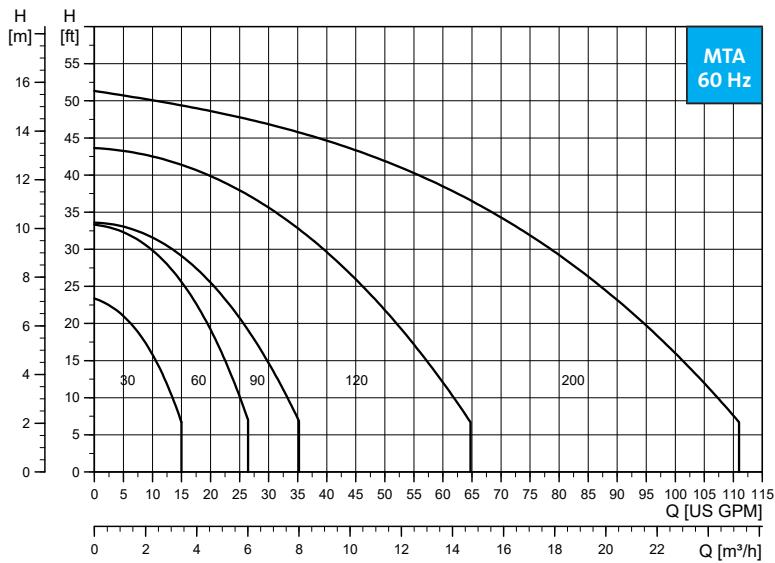
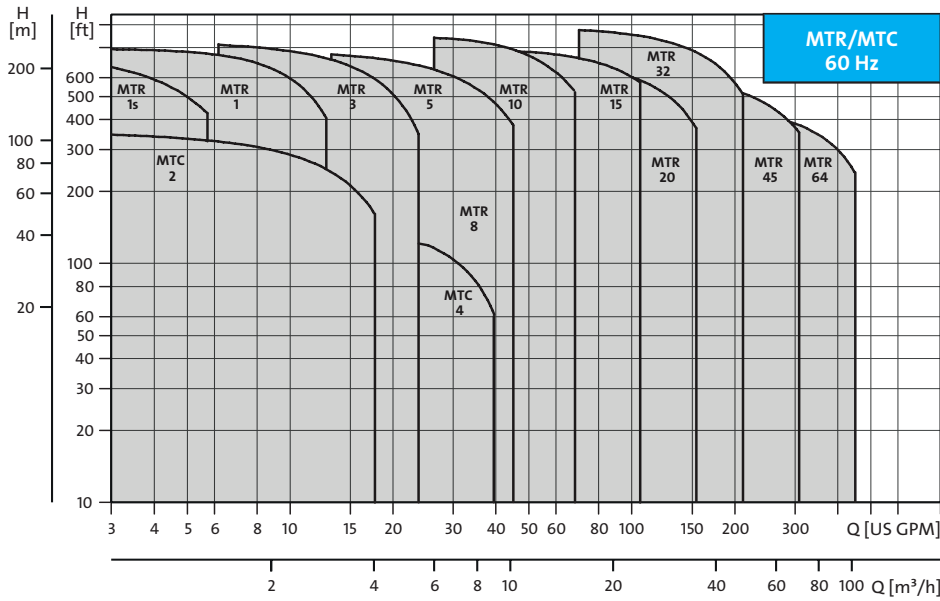
- Lathes
- Milling machines
- Boring machines
- Drilling machines
- Machining centers
- Grinding machines
- Filtering systems
- Swarf conveyors
- Spark machine tools
- Industrial washing machines
- Cooling units

TECHNICAL DATA

MTR/MTC	
FLOW, Q:	max. 450 gpm (102 m ³ /h)
HEAD, H:	max. 970 ft (296 m)
LIQUID TEMPERATURE:	-4°F to 194°F (-20°C to 90°C)
WORKING PRESSURE:	max. 362 psi (25 bar)

MTA	
FLOW, Q:	max. 108 gpm (28.5 m ³ /h)
HEAD, H:	max. 62 ft (19 m)
LIQUID TEMPERATURE:	32°F to 140°F (0°C to 60°C)
WORKING PRESSURE:	max. 362 psi (25 bar)

PERFORMANCE DATA



Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.