

# Torishima Pump Global Network



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# MMTV

## Vertical Multistage Pump with Canister





# Vertical Multistage Pumps with Canister

The high pressure vertical canister pump presents significant advantages in those cases where limited suction head is available. This applies particularly in the case of condensers in power stations, desalination plants and other pipeline pumping applications.

The canister serves as a suction receiver, and by adding the length to the canister / pump, adequate suction head can be provided to ensure trouble-free operation.

## Applications

Pumping hot water and condensate in power stations, especially in cases where the suction head is restricted.

## Technical Data

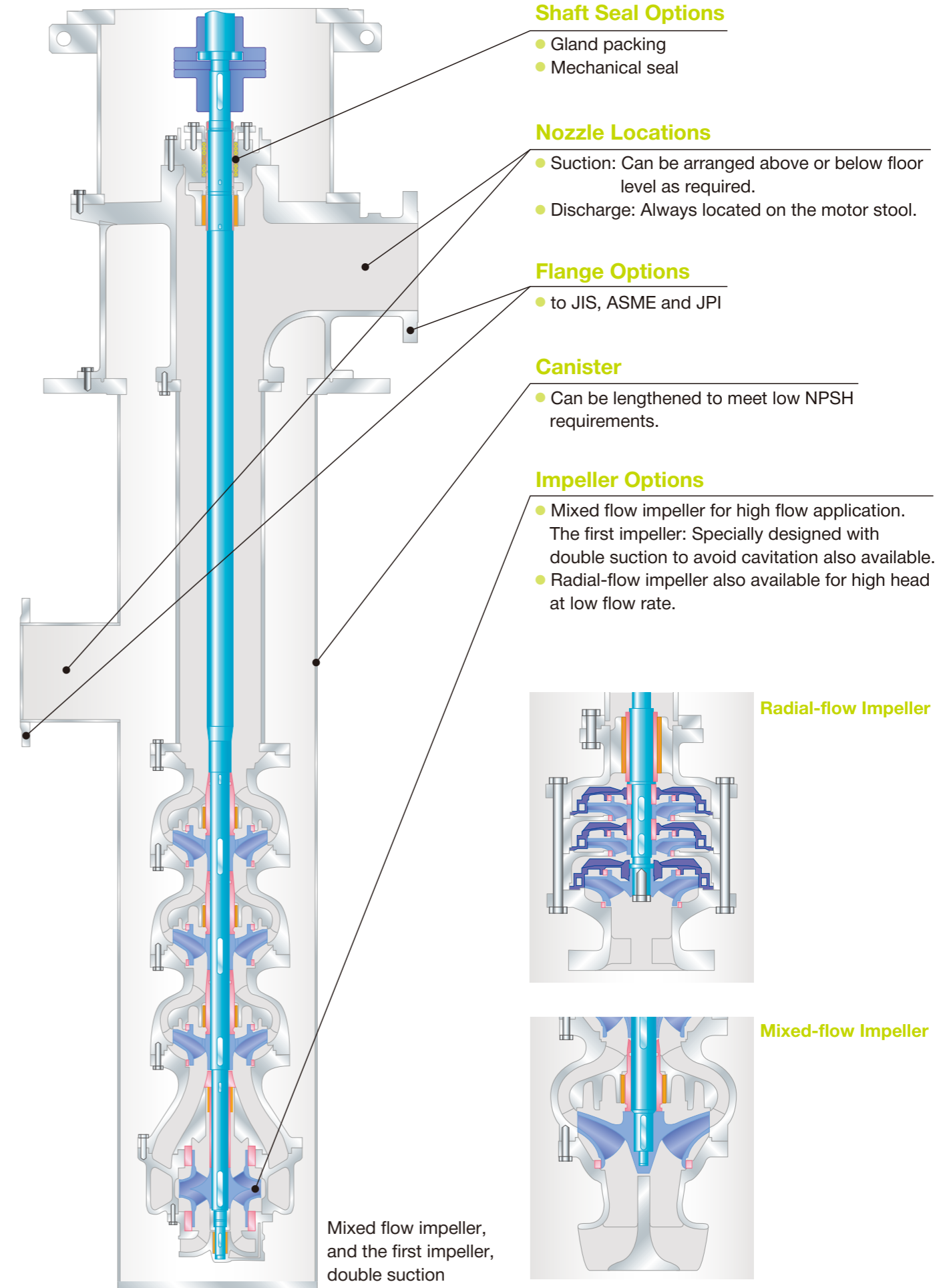
Capacities	up to 2,900 m <sup>3</sup> /h (12,770 US gpm)
Total head	up to 400 m (1,600 ft)
Pump suction pressure	up to 19.6 bar (285 psi)
Pump discharge pressure	up to 39.2 bar (570 psi)
Speed	up to 3,600 min <sup>-1</sup>
Size	40 to 400 mm (1 1/2 to 15 in)

## Materials

Casing	Cast iron, Ductile iron, Stainless cast steel
Impeller, the first stage	Stainless cast steel, Cast steel
Impeller, the second stage or more	Cast iron, Ductile iron, 2%Ni cast iron, Stainless cast steel
Shaft	Stainless steel

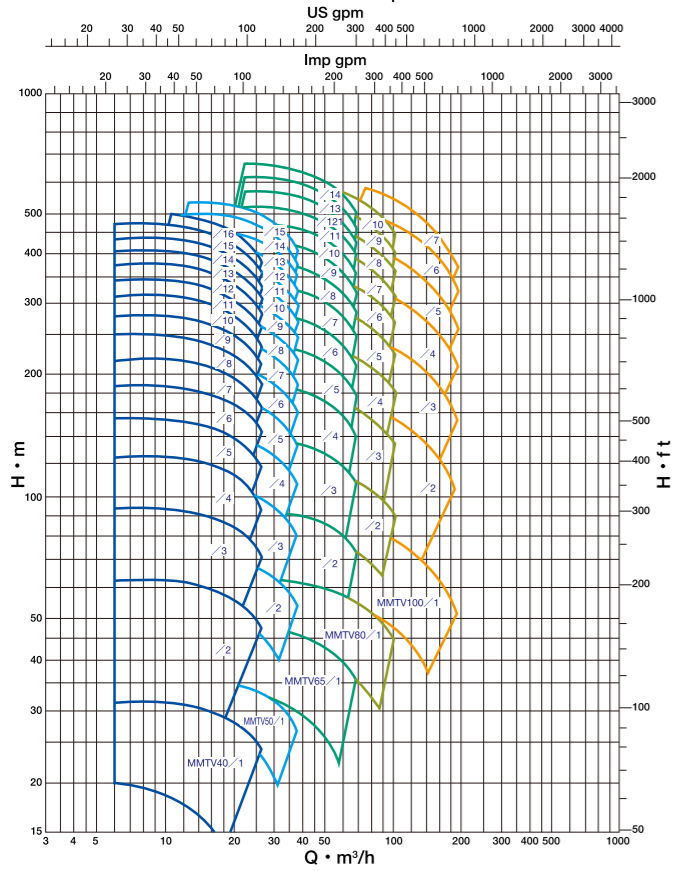


# Reliable Design

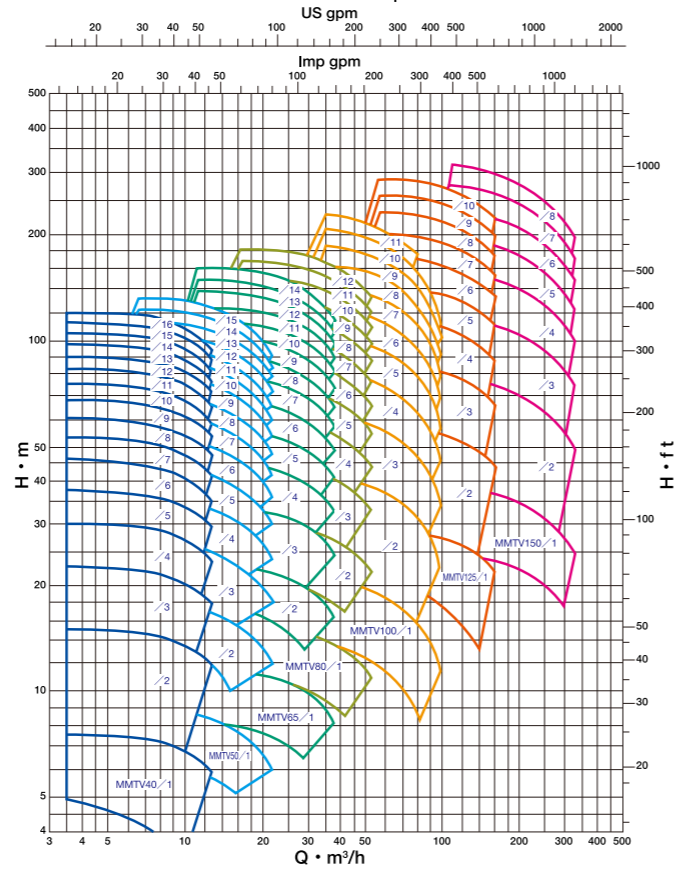


# Performance Range — 50Hz Applications

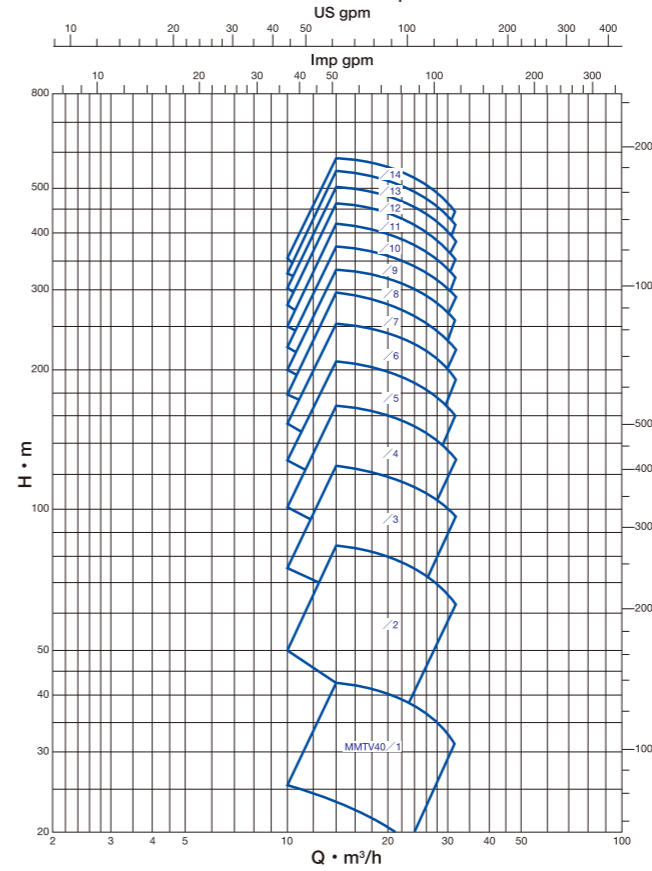
50Hz-2P (2900 1/2 min) — Radial-flow Impeller



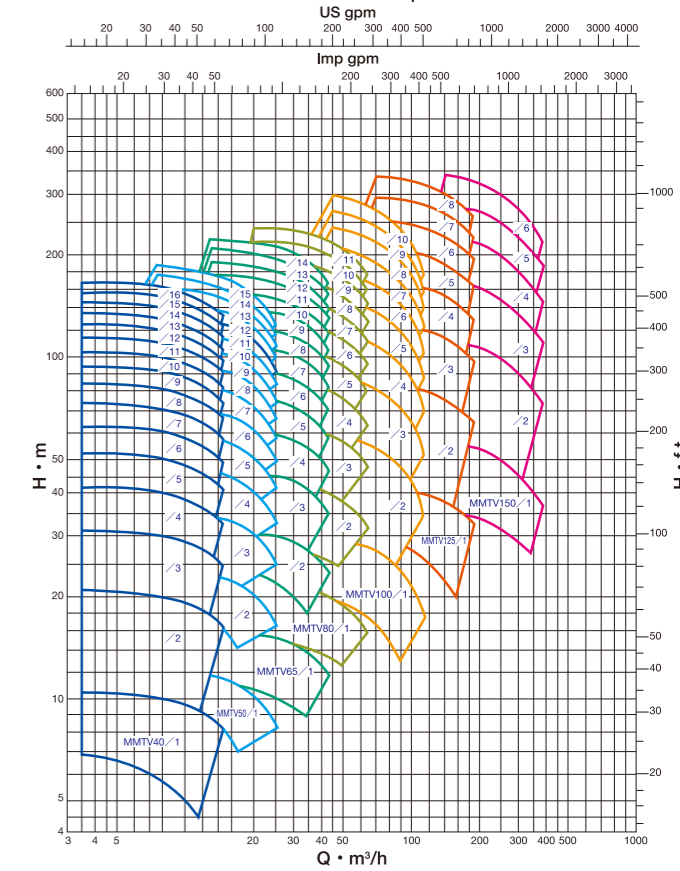
50Hz-4P (1450 1/2 min) — Radial-flow Impeller



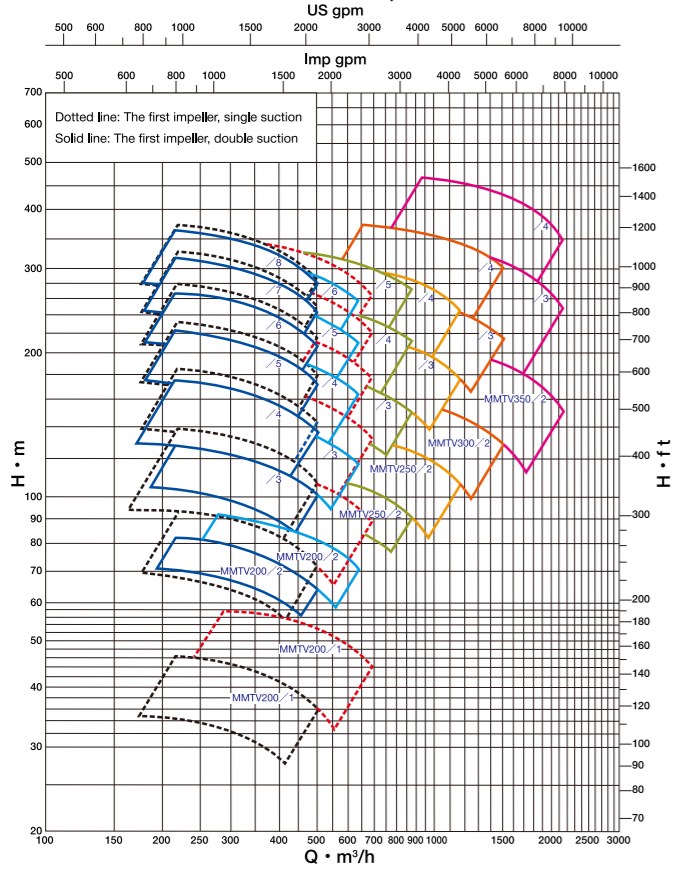
60Hz-2P (3500 1/2 min) — Radial-flow Impeller



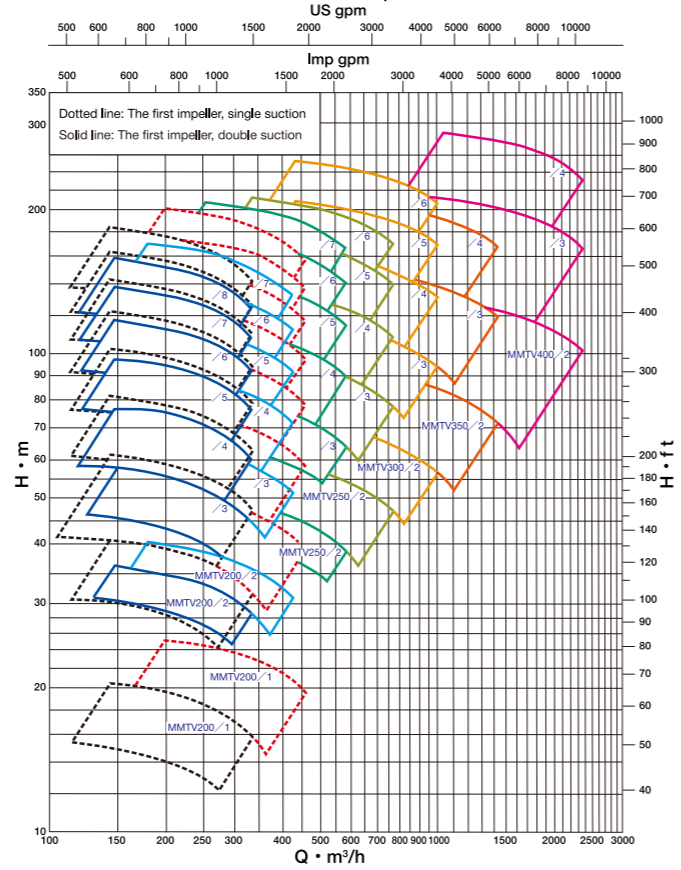
60Hz-4P (1750 1/2 min) — Radial-flow Impeller



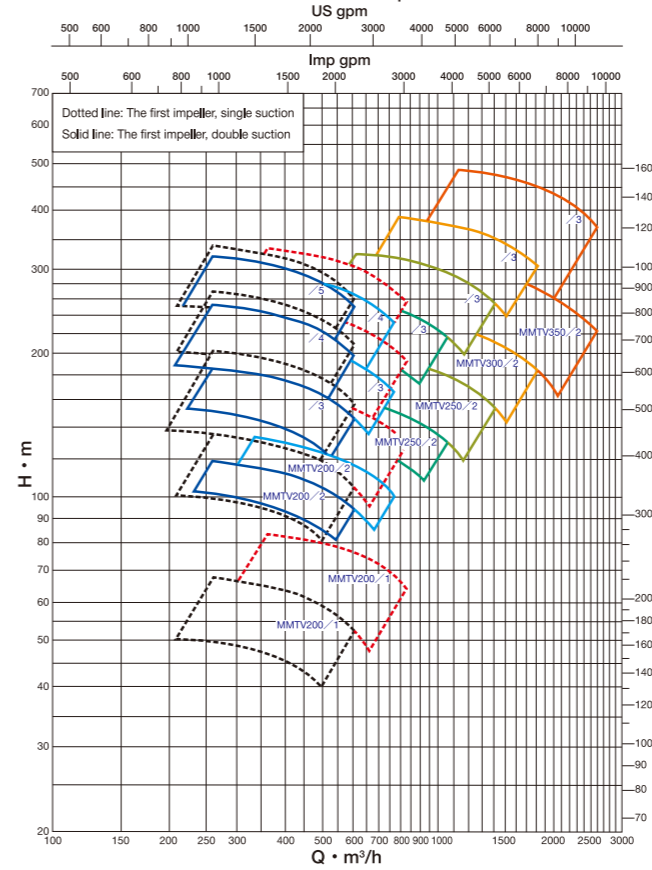
50Hz-4P (1450 1/2 min) — Mixed-flow Impeller



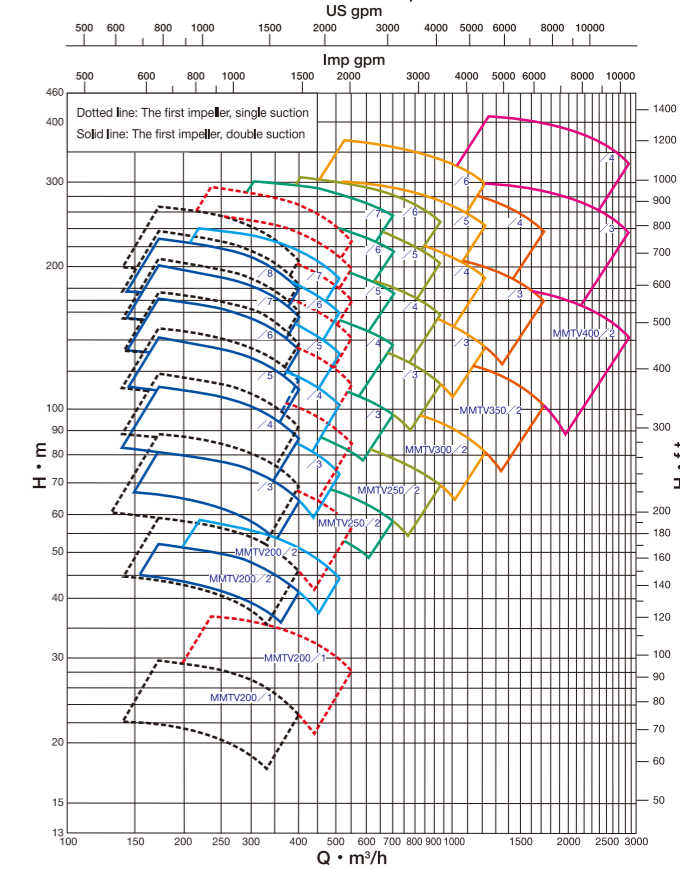
50Hz-6P (970 1/2 min) — Mixed-flow Impeller



60Hz-4P (1750 1/2 min) — Mixed-flow Impeller



60Hz-6P (1150 1/2 min) — Mixed-flow Impeller



# Performance Range — 60Hz Applications