

Table 2.1 Booster feed (hot) Water Pumps PD (BB2)

Pump Name	Rated Flow, m ³ /hr	Head. m	Speed, rpm	Pump Shaft Power. kW
PD (ΠΔ) 650-160-2	650	158	3000	303
PD (ΠΔ) 650-180-2*	1660	194	2100	954
PD (ΠΔ) 650-180-2a**	1050	184	2100	633
PD (ΠΔ) 650-180-2a***	1240	158	2000	618

Booster feed (hot) Water Pumps PD (BB2)

The boiler feed booster pumps are installed upstream of boiler feed pumps to deliver feed water with the pumping temperature of max. 165°C at the power units in TPS's to ensure a cavitation-free operation of the main pumps.

PD 650-160: motor-driven horizontal single-stage axially split (radially split in case of PD 650-160-2) volute-casing centrifugal pumps with a double entry radial impeller. Pump nozzles oriented horizontally to the opposite sides. The pump rotor is carried by the oil-ring lubricated plain bearings. Shaft sealing: packed glands.

PD 1600-180-2: turbine-driven horizontal single-stage radially split volute-casing centrifugal pumps with a double entry radial impeller. The discharge nozzle horizontally sideward, the suction nozzle vertically to the bottom. The pump rotor is carried by the pressure lubricated plain bearings. Shaft sealing: mechanical seals.

* for TPS 800 MW power units

** for TPS 500 MW power units

*** for TPS 320 MW power units