

# In-Line Circulator Pump

# TK200

## Applications

- District heating system
- District cooling system
- Air-conditioning system
- Water supply
- Industrial processes
- Industrial cooling
- Pressure boosting system

## Operation conditions

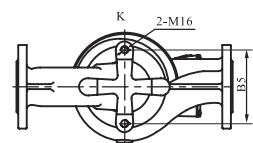
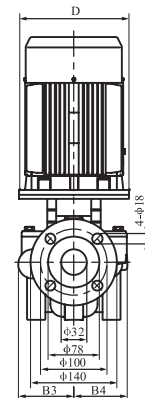
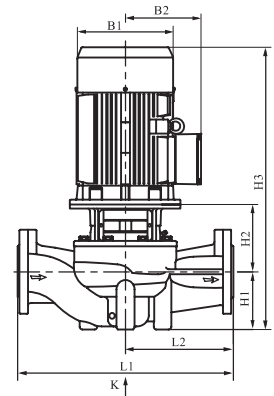
- Liquid temperature:  
normal temperature type:  $-15^{\circ}\text{C}\sim+70^{\circ}\text{C}$   
hot water type:  $-15^{\circ}\text{C}\sim+110^{\circ}\text{C}$
- Ambient temperature: maximum  $+40^{\circ}\text{C}$
- Operation pressure: normal type 12 bar

## Motor

- Fitted with a totally enclosed, fan-cooled, 2-pole motor
- Enclosure class: IP55
- Insulation class: F
- Supply voltage: 50Hz or 60Hz

## Material

- Inlet&outlet chamber:HT200
- Impeller:HT200/ Stainless steel(304)
- Pump head: HT200
- Shaft: Stainless steel(304/316)
- Mechanical seal: Graphite/SIC



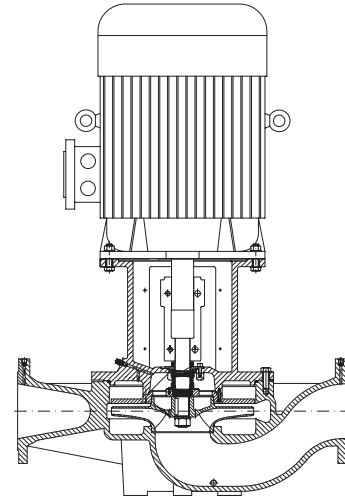
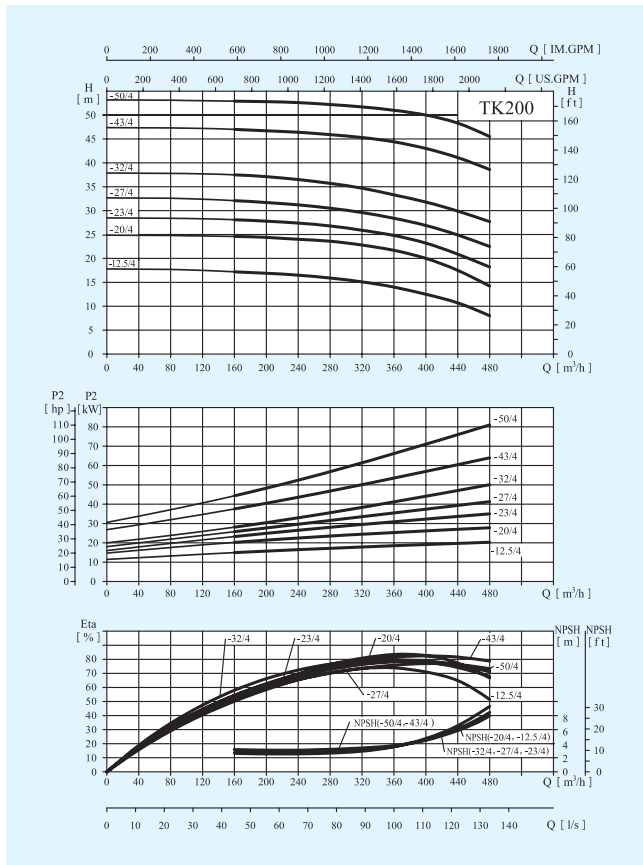
## Performance Table

Model	Associated Motor(kW)	Q (m <sup>3</sup> /h)	160	200	240	280	320	360	400	440	480
TK200-12.5/4	22	H (m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
TK200-20/4	30		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
TK200-23/4	37		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
TK200-27/4	45		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
TK200-32/4	55		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
TK200-43/4	75		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
TK200-50/4	90		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

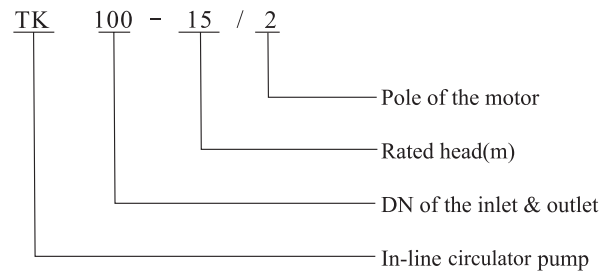
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## Performance Curves



**TK**



## Dimension&Weight

Model	Specification[mm]											Net Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK200-12.5/4	350	360	280	278	219	360	270	343	1233	1000	500	432
TK200-20/4	400	400	305	278	219	360	270	343	1283	1000	500	492
TK200-23/4	450	450	335	303	252	360	270	373	1328	1100	550	602
TK200-27/4	450	450	335	303	252	360	270	373	1353	1100	550	638
TK200-32/4	550	490	365	303	252	360	270	373	1418	1100	550	710
TK200-43/4	550	550	400	315	269	360	270	388	1486	1100	550	883
TK200-50/4	550	550	400	315	269	360	270	388	1538	1100	550	975