WALRUS®

TQIC Series
Inverter Control Pump

ISO 9001

Applications:

The TQIC series pumps are designed for water supply and pressure boosting in residential, commercial and light industrial applications where low or inadequate water pressure exists. It is suitable for boosting pressure from underground or surface water supplies.

Suitable liquids:

Potable water or other clean or non-corrosive liquids.

Operating Limits:

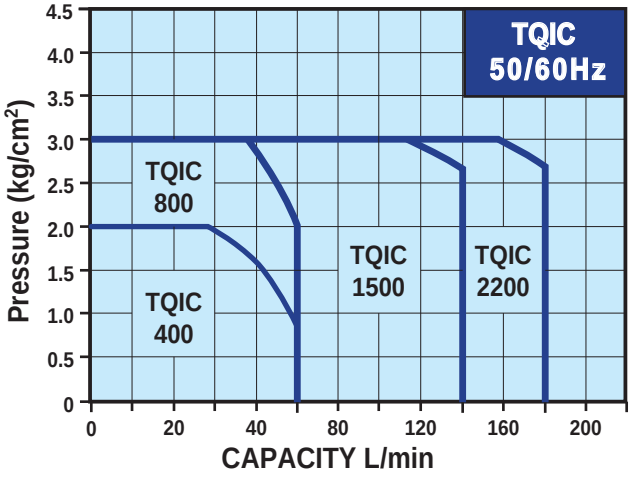
Ambient temperature: Max. +40°C
Liquid temperature: + 4°C ~ +40°C
Relative Humidity: Max. 85%
Original constant inverter pressure setting:
TQ400 - 2.0 kg/cm²
TQ800/1500/2200 - 3.0 kg/cm²

Product Features:

1. **The TQIC is a complete, all-in-one unit, consists of pump, motor, invertor, pressure tank, and electronic controller. The built-in electronic controller provides constant pressure which ensures that the pump starts automatically when water is consumed and operates continuously until water is not required.**
2. **The Micro Frequency Inverter detects the instantaneous pressure in the system through the pressure transmitted and adjusts motor speed to keep it at the required value. Depended on applications, the pumps offer energy saving or improved processing.**
3. **Compact design and quiet operation make the TQIC series suitable for many applications.**
4. **The TQIC is constructed from the top quality corrosion resistant materials.**
5. **The TQIC has automatic restart function. Once the pump starts to operate, the pressure sensor will automatically detect the pressure limit. If the pressure limit can not reach to the original setting within 2 minutes, the pump will stop and attempt to restart every 10 minutes until the function is deactivate. It will also stop when the temperature exceeds 55°C, and will restart when the temperature drops to 40°C.**
6. **The motor has built-in thermal overload to protect against high operating temperatures and over current.**
7. **The TQIC has an anti-cycling feature which prevents the pump from continuous starting and stopping when you have a dripping tap or minor leak in the system.**
8. **The pumps will lift water up to 7.6m with foot valve and pump suction piping filled with water.**

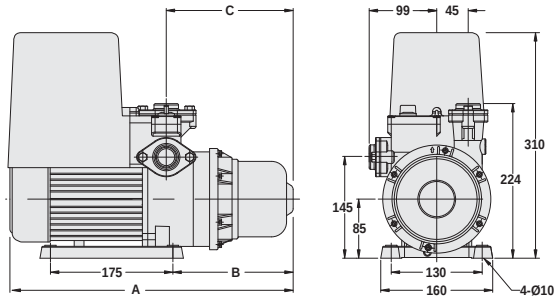
TQIC Series
Inverter Control Pump

Hydraulic Performance curve:

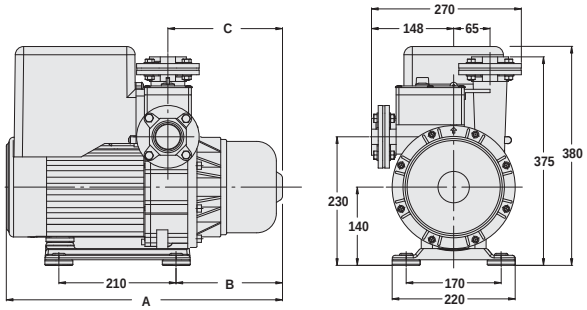


Dimensions: (mm)

TQIC400/800



TQIC1500/2200



Model	A (mm)	B (mm)	C (mm)
TQIC 400	425	172	177
TQIC 800	451	198	203
TQIC 1500/2200	501	197	212

Materials

Part name	TQIC 400/800	TQIC 1500/2200
Pump casing	Glass filled noryl	
Filling plug	NyLon	
Outlet & Inlet	SUS 304	
Intermediate Chamber	Glass filled polycarbonate	SUS 304
Impeller	Glass filled noryl	SUS 304
Mechanical Seal	Ceramic+Carbon+NBR	SiC+Carbon+Viton
Shaft	SUS 410	SUS 304
Motor Shell	Aluminum alloy	

Specification:

Model	Output Power of Inverter contron (HP)	Cycle (Hz)	Phase (Ø)	Voltage (V)	Output Ampere of Inverter contron (A)	Inlet (in.)	Outlet (in.)	Pre-set Pressure (kg/cm²)	Nominal Capacity (L/min)	N.W. (kg)
TQIC400	½	50 / 60	1	110 200-240	3.0	1"	1"	2.0	30	11.5
TQIC800	1	50 / 60	1	110 200-240	5.0	1"	1"	3.0	40	13.0
TQIC1500	2	50 / 60	1	200-240	8.0	2"	2"	3.0	110	29.6
TQIC2200	3	50 / 60	1	200-240	11.0	2"	2"	3.0	160	30.4