QB
PERIPHERAL PUMP

The QB Series electric pump consists of three main components: the motor, pump body, and sealing system. It is equipped with an asynchronous motor and features a peripheral impeller design, providing high head performance in a compact and space-saving construction.

A single mechanical seal is installed between the pump and motor to ensure reliable dynamic sealing during operation. The water-retaining ring, mounted on the main shaft, rotates to provide effective water retention and separation. Additionally, O-ring rubber seals are fitted at key pump body joints to create a secure static seal, preventing leakage and enhancing overall reliability.

MODEL DESCRIPTION

QB 60

- 60 — Impeller nominal diameter
- QB — Peripheral pump



PUMP CONFIGURATION

Pump body:	Cast iron, electrophoresis;
Copuling:	Cast iron, electrophoresis;
Impeller:	Brass
Motor shaft:	304 stainless steel shaft ;
Mechanical seal:	Ceramic - graphite.
Insert:	QB60/70/80 Stainless steel

PUMP USE PRECAUTIONS

- The PH value of the medium is between 6.5-8.5;
- Insulation class: F

PUMP FEATURES

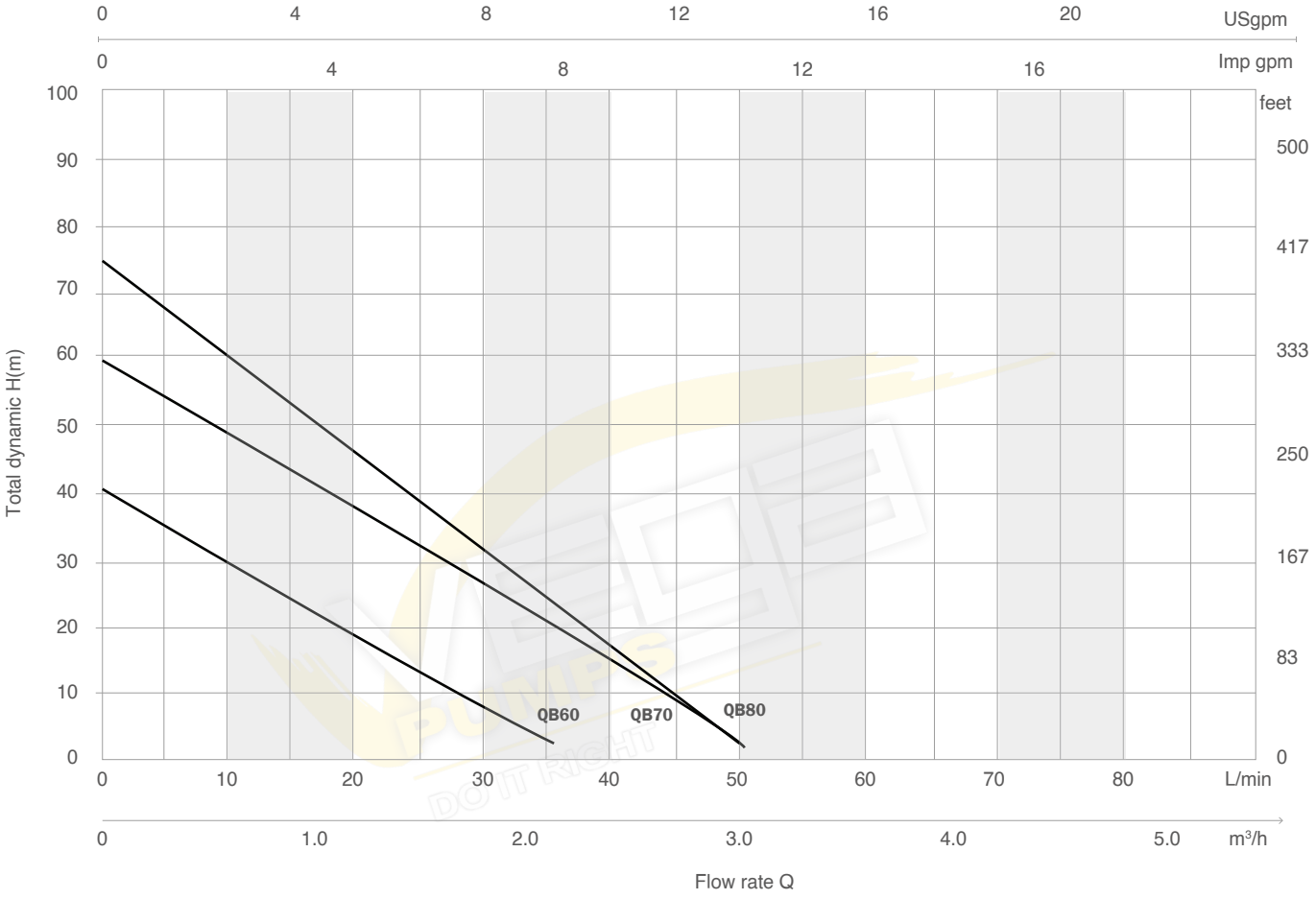
- Copper core motor with built-in thermal protector;
- Cast iron pump body and coupling with special anti-rust treatment;
- The pump has advantages of a compact structure, light weight , low energy consumption, high efficiency, one pump with multiple usages, easy to use.

TECHNICAL SPECIFICATIONS

Max.Power	Up to 750W
Max.Flow	3m^3/h
Max.Head	75m
Size	1”x1”
Liquid temperature	Up to 40° c

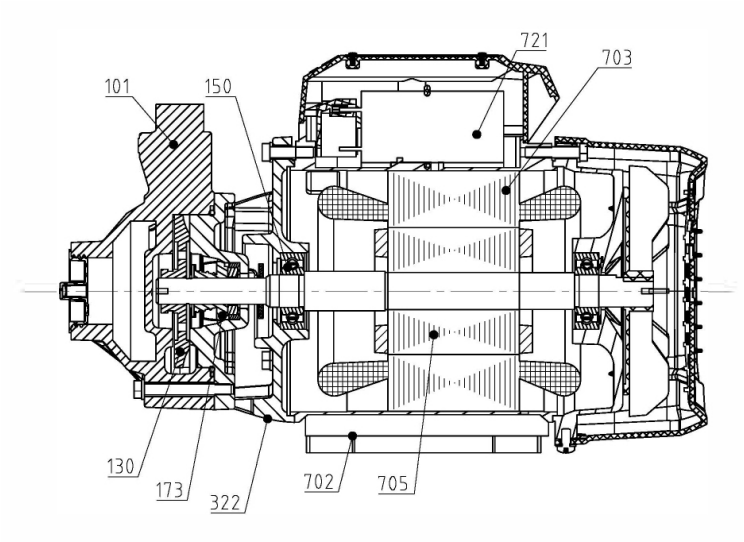
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PERFORMANCE CURVE



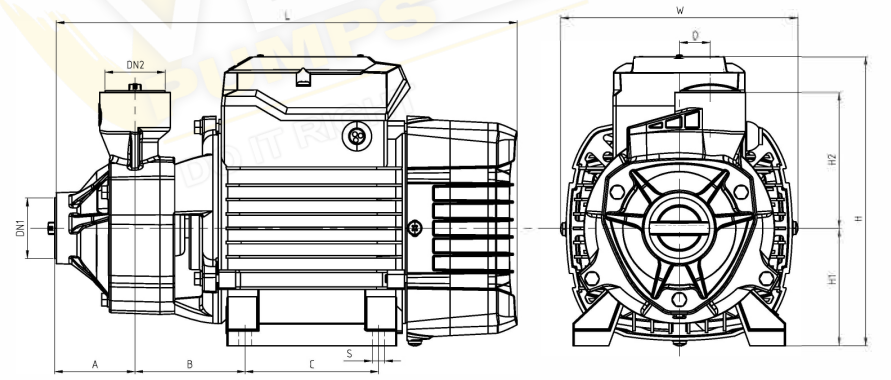
Model	Power	Current	Capacitor	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3	3.6	4.2	4.8
	kW	A	μF	Q(l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80
QB60	0.37	2.1	10	H(m)	40	35.9	29.9	23.6	17.6	11.7	6.1	2.3					
QB70	0.55	4.5	16		60	53.7	48.7	43.5	37.7	31.1	24.7	18.5	12.8	2.4	-	-	-
QB80	0.75	6.5	20		75	70.3	62.3	53.4	45	37.2	30.1	23.4	16.9	1.9	-	-	-

MATERIALS OF CONSTRUCTION



POS.	COMPONENT	MATERIAL
101	PUMP BODY	Cast iron
130	IMPELLER	Brass
150	BEARING	C & U bearing
173	MECHANICAL SEAL	Ceramic - graphite
322	COUPLING	Cast iron
702	MOTOR CASE	Aluminum
703	STATOR CORE	Stator core with winding
705	ROTOR	Cast aluminum rotor
721	CAPACITOR	Electronic device

DIMENSIONS



Model	Dimensions (mm)																
	DN1	DN2	L	W	H	H1	H2	A	B	C	D	E	F	S	G.W (kg)	N.W (kg)	Outer box L×W×H(cm)
QB60	1"	1"	263	131	163	65	75	45	67.5	75	20	95.5	116	8	5.8	5.5	27.5x13.7x18
QB70	1"	1"	291	149.5	182	74	85.5	49.5	69.5	84	19.5	113.5	134	8	9.4	9.1	30x15.5x22.5
QB80	1"	1"	306.5	149.5	182	74	90	54	81	84	20.5	113.5	134	8	10.3	10	30x15.5x22.5

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