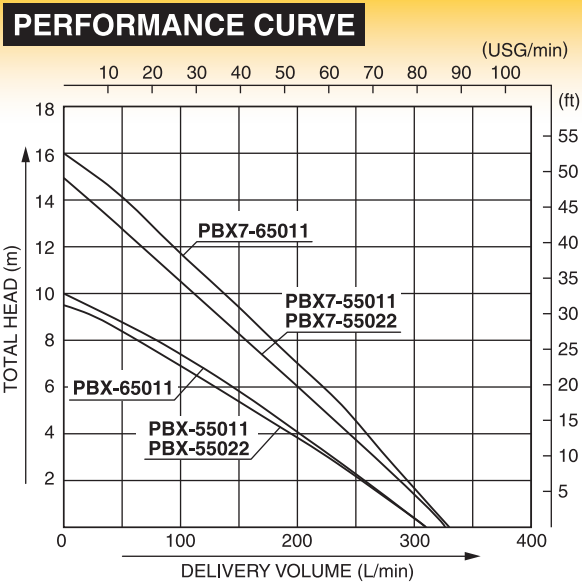




PBX-50 / PBX7-50



SPECIFICATIONS

MODEL		PBX-55022	PBX-55011	PBX-65011	PBX7-55022	PBX7-55011	PBX7-65011
Connection Dia	mm	50			50		
	inch	2			2		
Max.Head	m	9.5		10	15		16
	ft	31		33	50		54
Max.Delivery	L/min	310			330		
	GPH	4,870			5,240		
Output [W]		400			750		
Revolution [rpm]		2,800		3,200	2,800		3,200
Rated Current [A]		4.2	8.1	8.7	6.0	12.0	
Consumption [W]		680	690	750	1,250		
Voltage [V]		AC 220	AC 110		AC 220	AC 110	
Frequency [Hz]		50		60	50		60
Net Weight [kg] ※without cable		13.4			13.6	13.7	

Optional parts	High-pressure impeller for PBX7(50Hz/60Hz)		Float switch	
	This (separately available) impeller, increases the maximum pressure of the PBX7 by 25%.		When fitted with a (separately available) float switch, the pump can operate fully automatic.	



Heavy Duty Contractor Pump
Suitable for dry-running and for use with sandy water
PBX/PBX7 Series

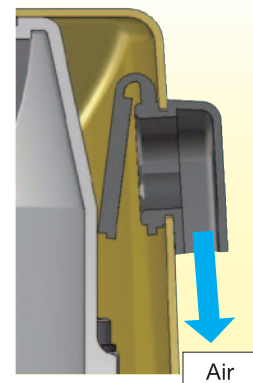
POWERFUL PERFORMANCE!

PONSTAR PBX Series

Feature 1 Troubleshoot free operation, even in low water or dry-run situations!

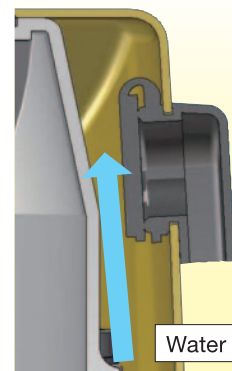
With air valve function

When conventional pumps run dry, the electric motor will overheat, causing the thermal protector to activate to protect the motor. However, continuous overheating will eventually cause internal damage to the windings. With an air valve, a continuous airflow will cool the motor while running dry. Preventing the motor from overheating at any time. (The thermal switch will activate if an abnormal level of heat is generated, which exceeds the cooling capacity of the airflow—in situations such as an impeller lock or sticky mechanical seals.)



The PBX dry-run capability

When the PBX pump is running dry (without water), the motor is cooled by air, forced through the pump by the impeller and exiting the pump via the air valve. Preventing the motor from overheating.



Pump operating and discharging water

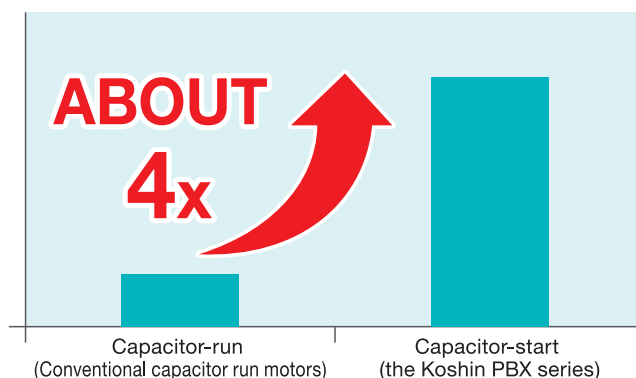
When the pump operates normally, the air valves will be closed by the water pressure inside the pump.

Feature 2 Extra Powerful Startup Torque!

The Koshin centrifugal force switch

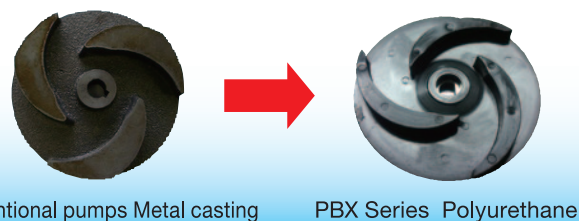
The Koshin PBX capacitor-start motors (fitted with a centrifugal force switch) have a 400% higher starting torque than standard capacitor-run motors, largely eliminating startup failures caused by sticky mechanical seal or impeller clogging.

Starting torque



Feature 3 Designed specifically for use in muddy and sandy water, using strong and durable materials

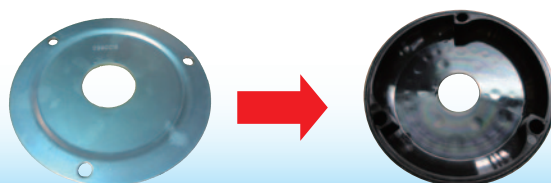
Impeller



Conventional pumps Metal casting

PBX Series Polyurethane

Suction cover



Conventional pumps Steel / metal casting

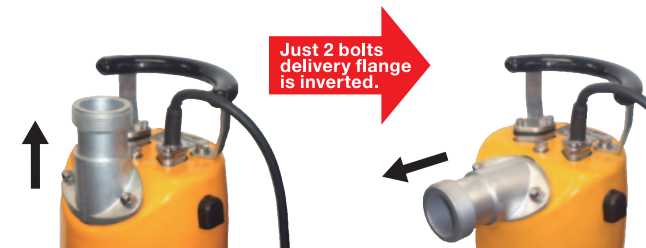
PBX Series Steel with polyurethane cover

The highly wear resistant materials used, have increased the durability of important wear parts by about **300%** compared to conventional parts.

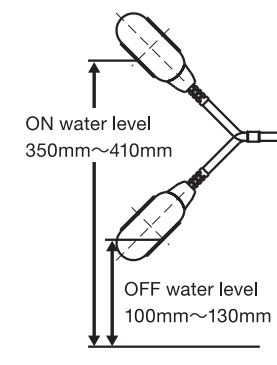
Feature 4 The direction of the delivery flange can easily be changed to suit the required direction of water flow!

2-way flange

Change delivery flange direction and delivery hose will never be bent again.



Feature 5 Automatic start / stop function with a float switch



The float switch is available as an option



Feature 6 Easy maintenance

- Easy to retro-fit or replace float switch

Uses only 2 bolts(The float switch is an optional component.)

- Fixing bolts are wear protected to allow for easy access and disassembly, even when the pump has been in prolonged heavy duty use.

The special polyurethane insert, protects delicate parts from wear and tear. Easy maintenance.

