Bare-Shaft Centrifugal Pump on CI Base Frame

Belt-driven centrifugal pump assembly - volute, bearing housing and pedestal on a one-piece cast iron base.



Sizes	Minimum order	Lead time	Price
2" × 2", 3" × 3", 4" × 3"	**10 pieces**	**21 - 30 days**	**Quoted per order**

What this part is

A bare-shaft pump is supplied without a motor. The pump end, bearing housing and shaft are mounted on a common base frame so the buyer can couple it to their own electric motor, diesel engine or tractor PTO by belt drive.

Specification

Type	Bare-shaft centrifugal, belt driven
Base	One-piece cast iron frame
Material	Grey cast iron FG 200
Delivery	Flanged
Suction	Threaded
Bearing housing	Cast, grease lubricated
Drive	Electric motor, diesel engine or tractor PTO
Finish	Primer or painted to order

Material

- Grey Cast Iron FG 200 (IS 210)

Typical applications

- Diesel-driven farm irrigation
- Tractor PTO pump sets
- Industrial water transfer
- OEM pump assembly

How we make it

The volute, bearing pedestal and base frame are all cast in our foundry and machined as a set, so the shaft centre height and the pulley alignment are held across the whole assembly rather than shimmed at installation. The base is a single casting - not fabricated plate - which keeps the pump end and the bearing housing in alignment under belt tension.

The delivery branch is flanged and the suction is threaded. Shaft diameter and extension length can be made to suit your drive.

Questions

Is a motor included?

No - a bare-shaft pump is supplied without a motor so you can couple it to your own electric motor, diesel engine or tractor PTO. We can quote a matched motor separately.

Can the shaft be made to our drive specification?

Yes. Shaft diameter, extension length and keyway are machined to your drawing at no tooling cost on repeat orders.

Is the base fabricated or cast?

Cast, in one piece. A fabricated plate base flexes under belt tension and pulls the pump end out of line with the bearing housing; a single casting does not.

To order

Send us four measurements and we can quote first time: bore casing outside diameter, column pipe outside diameter, approximate column run in metres, and cable type. Clamp bores are machined to your column pipe.