

CENTRIFUGAL PUMP PRODUCTS

C PUMPS

CP SERIES CENTRIFUGAL PUMPS

Centrifugal pumps for demanding fluid-transfer duty.

A versatile pump range spanning compact process duties through high-capacity transfer applications, with configuration selected around the required hydraulic duty.



CP SERIES | REPRESENTATIVE CONFIGURATIONS

PRODUCT CONFIGURATION

MODEL RANGE

Ten CP centrifugal pump models

SEAL OPTIONS

Mechanical seals or packing on every model

MATERIAL OPTIONS

Materials and coatings selected for service

Representative images. Final arrangement, connections and dimensions are confirmed in the approved technical schedule.

7,500 GPM	90 m	10	10
RANGE CAPACITY UP TO	PUBLISHED HEAD UP TO	CP MODEL CODES	CONFIGURATIONS

Range values are selection references. Maximum flow and head are not simultaneous ratings.

1 CP SERIES ADVANTAGES

Select the hydraulic configuration, sealing arrangement and materials to suit the fluid and operating environment.

PUMP RANGE	SEALING OPTIONS
Ten model codes cover compact process duties through high-capacity fluid transfer.	Mechanical seals or packing are available on every CP model.
MATERIAL AND COATING OPTIONS	OPI AFTERMARKET SUPPORT
Materials and coatings are selected to suit the fluid and operating environment, including corrosive service.	Parts and consumables for CP pumps and selected OEM equipment. Confirm compatibility with OPI.

2 CP MODEL RANGE

Model code: CP-inlet × outlet × impeller diameter, all in inches. For example, CP-8×6×11 identifies an 8-inch inlet, 6-inch outlet and 11-inch impeller. Hydraulic and motor data are shown below.

Model	In / out (in)	Capacity (GPM)	Head (m)	Motor (kW)	Speed (rpm)
CP-14×12×22	14 / 12	3,000–7,500	45–82	300	1,000 / 1,400
CP-12×10×23	12 / 10	5,600	90	223	1,400
CP-10×8×14	10 / 8	1,145–1,320	28–33	75 / 90	1,450 / 1,750
CP-8×6×14	8 / 6	1,058–1,145	28–33	55 / 75	1,450 / 1,750
CP-8×6×11	8 / 6	969–1,058	24–28	37 / 45	1,450 / 1,750
CP-6×5×14	6 / 5	880–969	24–28	30 / 37	1,450 / 1,750
CP-6×5×11	6 / 5	528–880	24–28	30 / 37	1,450 / 1,750
CP-5×4×14	5 / 4	335–528	22–28	22 / 30	1,450 / 1,750
CP-4×3×13	4 / 3	264–335	22–28	11 / 15	1,450 / 1,750
CP-3×2×13	3 / 2	220–264	22–28	7.5 / 11	1,450 / 1,750

Flow, head, power and speed depend on the selected configuration and are not independent or simultaneous maximum ratings. Confirm the exact hydraulic curve, motor and sealing arrangement with OPI.

3 TYPICAL APPLICATIONS

Sand-slurry transfer	Dredge tailings
Blending and fluid supercharging	Paper and pulp processing
Sewage transfer	Process and fluid-transfer duties

Application suitability depends on the selected pump, fluid properties and service conditions.

ENGINEERING AND COMMERCIAL NOTES

Product designs, materials and specifications may change through continuous engineering development. Final selection, compatibility and performance are confirmed against the OPI quotation, order acknowledgement and approved technical schedule. Images do not constitute a manufacturing definition.

SPEAK TO OPI SALES

Provide flow, head, fluid, temperature, solids, driver and installation details for selection support.

OPI SALES

sales@optimumpumpingindustries.com

DOCUMENT ISSUE

Document ID	Revision	Product range	Publication
OPI-CP-DS-001	H	CP centrifugal pumps	14 September 2026