

PF Impact Crusher Model Range Overview

PF series impact crushers are used for impact crushing, secondary reduction and aggregate shaping in quarry, mining, road construction, concrete recycling and cement material applications. This reference sheet summarizes the PF model range from PF-0807 to PF-1515 and explains how feed opening, maximum feeding side length, capacity and motor power should be reviewed before model confirmation.

MODEL RANGE

PF-0807 to PF-1515

FEED OPENING

400×730 to 900×1650 mm

MAX FEED SIDE

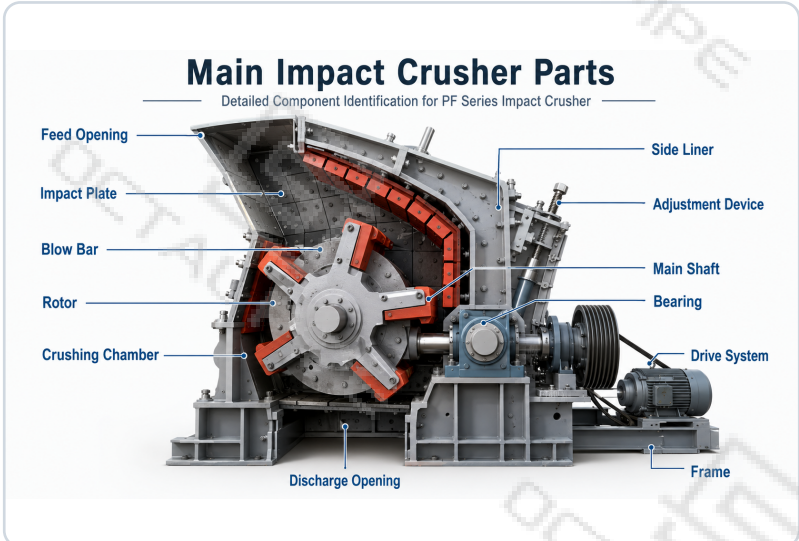
<=100 to <=400 mm

CAPACITY RANGE

15-350 t/h

MOTOR POWER

30-45 to 160×2 kW



Crushing Role
Secondary crushing, aggregate shaping and recycling crushing by high-speed rotor impact.

Typical Materials
Limestone, dolomite, concrete waste, asphalt, coal gangue and medium-hard stone.

Selection Basis
Confirm feed size, discharge size, material condition, feeding continuity and wear-part plan together.

Output Control
Final size is affected by impact gap, rotor speed, blow bar wear and screen matching.

Model coverage by general capacity direction

Small Output

PF-0807 / PF-1008

15-50 t/h

Small feed and lower capacity applications

Medium Output

PF-1010 / PF-1210

50-120 t/h

Common secondary crushing in medium lines

Medium-High Output

PF-1214 / PF-1315

130-250 t/h

Aggregate production with larger feed sizes

High Output

PF-1320 / PF-1515

200-350 t/h

Larger crushing line with stable feeding

PF Series Impact Crusher Specifications

The table below presents the core catalog data for PF series impact crusher models. Feed opening, maximum feeding side length, capacity and motor power should be checked together during technical review.

Model	Specifications (mm)	Feed Opening (mm)	Max Feeding Side Length (mm)	Capacity (t/h)	Motor Power (kW)
PF-0807	φ-850×700	400×730	<=100	15-30	30-45
PF-1008	φ-1000×800	400×830	<=150	30-50	37-55
PF-1010	φ-1000×1050	400×1080	<=150	50-80	55-75
PF-1210	φ-1250×1050	400×1080	<=200	70-120	110-132
PF-1214	φ-1250×1400	400×1430	<=300	130-180	132-160
PF-1315	φ-1320×1500	860×1520	<=350	160-250	200
PF-1320	φ-1320×2000	860×2030	<=350	200-300	280
PF-1515	φ-1550×1500	900×1650	<=400	300-350	160×2

Capacity note: Listed capacity is a reference range. Actual output depends on material hardness, moisture, feed gradation, rotor speed, discharge setting and blow bar wear.

Specification note: Review feed opening with maximum feeding side length. Oversized feed may cause unstable chamber loading and higher wear.

Quick interpretation

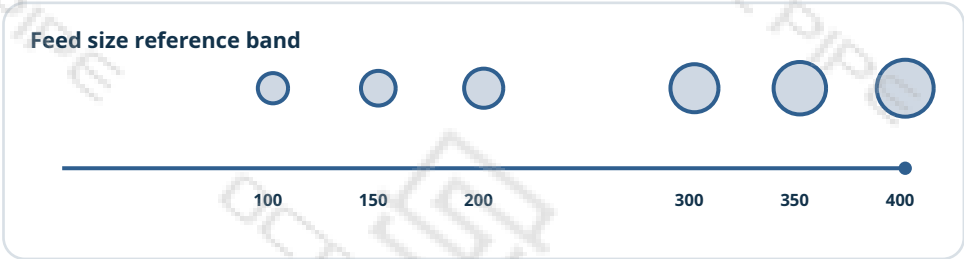
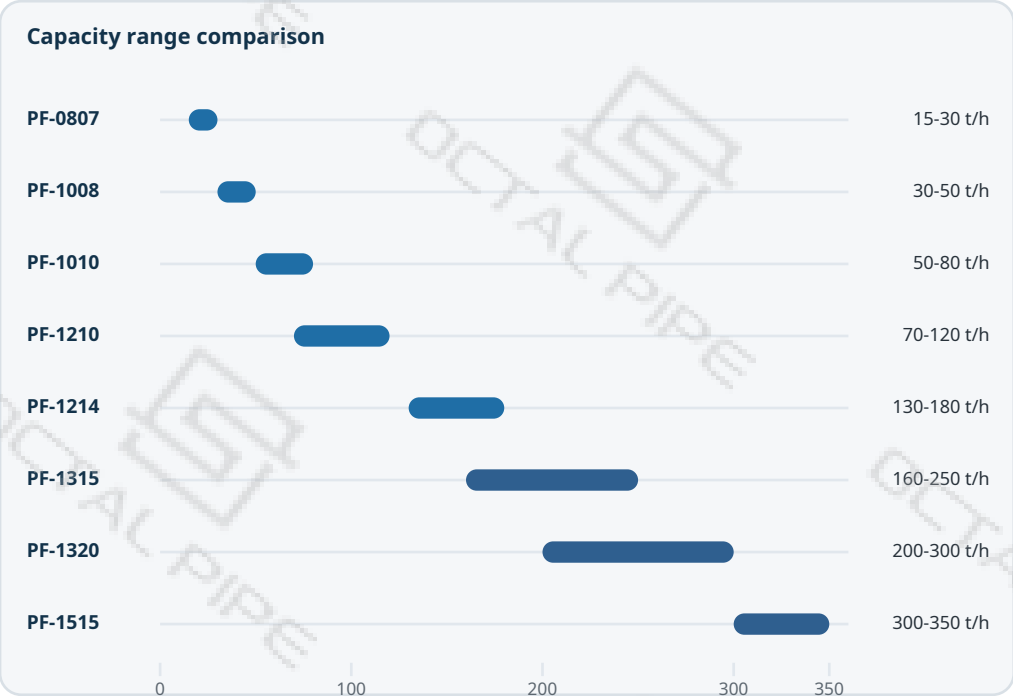
PF-0807 to PF-1010
Smaller feed sizes and lower to medium output requirements.

PF-1210 to PF-1214
Medium crushing duties with capacity up to 180 t/h.

PF-1315 to PF-1515
Higher-capacity lines requiring stable feeding and screening.

Model Capacity and Feed Size Reference

This page converts the specification table into a practical comparison view. Use the capacity range and feed size reference to narrow the model direction before checking discharge size, material condition and the full plant layout.



Feed Size Requirement	Suitable Model Direction	Review Note
<=100 mm	PF-0807	Small feed and low output applications
<=150 mm	PF-1008 / PF-1010	Small to medium secondary crushing
<=200 mm	PF-1210	Medium crushing capacity
<=300 mm	PF-1214	Medium-capacity aggregate production
<=350 mm	PF-1315 / PF-1320	Higher capacity crushing line
<=400 mm	PF-1515	Large output impact crushing application

Selection interpretation

Capacity is not a guarantee
Catalog capacity is achieved under controlled feeding and suitable material conditions; wet or uneven feed can reduce output.

Feed size protects the chamber
Maximum feeding side length should stay within the model limit to reduce wear, vibration and blow bar damage risk.

Discharge size links to screening
Final output should be reviewed with impact gap, rotor speed and downstream screen aperture.

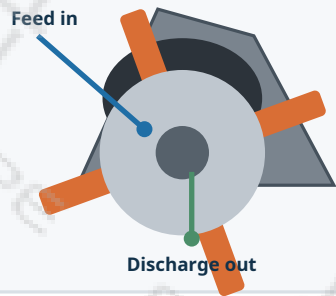
Model Selection Notes and Capacity Variation Factors

A PF impact crusher model should be confirmed by matching the catalog data with real working conditions. The same model can show different output and wear performance when material hardness, feed continuity, discharge size or spare-parts plan changes.

Factor	What to Check	Influence on Crusher Selection
Material type	Limestone, dolomite, concrete waste, asphalt, coal gangue	Determines crushing duty and wear level
Material hardness	Soft, medium-hard or hard material	Affects rotor load and blow bar wear
Abrasiveness	Low, medium or high wear condition	Influences blow bar and liner material
Maximum feed size	Largest side length of incoming material	Must match feed opening and chamber design
Required capacity	Target output in t/h	Determines model size and motor power
Discharge size	Required final product size	Affects impact plate gap and screen matching
Moisture / clay content	Dry, wet or sticky feed	May reduce actual production efficiency
Feeding continuity	Stable or intermittent feeding	Affects chamber load and output stability
Installation type	Stationary or mobile plant	Affects layout, auxiliary equipment and quotation scope
Spare parts plan	Blow bars, impact plates, liners, bearings	Reduces downtime during operation

Before Model Confirmation

- ✓ Material to be crushed
- ✓ Maximum feed size
- ✓ Required capacity
- ✓ Required discharge size
- ✓ Crushing stage
- ✓ Stationary or mobile installation
- ✓ Power supply
- ✓ Spare parts requirement
- ✓ Site condition
- ✓ Destination and packing



Final review note: The PF model should not be selected by capacity alone. A correct selection matches feed size, material condition, discharge requirement, wear-part plan and complete crushing line layout. For mobile configurations, the feeder, conveyor, chassis, power unit and site mobility requirements should also be included in the quotation scope.