CYCLONE SERIES

Centrifugal Spa & Counter-Current Pump

PRODUCT OVERVIEW

Centrifugal pump for spas, counter current and other applications. The source specifies a fiberglass-reinforced polypropylene body, Noryl impeller and glued suction / return connections included with the pump.



KEY CONSTRUCTION FEATURES

1. **Reinforced pump body**
   Polypropylene reinforced with fiberglass.
2. **Noryl impeller**
   Impeller material specified in the source.
3. **AISI 316L shaft**
   Stainless steel motor shaft.
4. **Graphite / ceramic seal**
   Mechanical seal in graphite and ceramics.
5. **IP-55 protection**
   Enclosed motor; 2,850 r.p.m.

CYCLONE MODEL FAMILY

CX-20803	1.5 kW / 2.0 HP
CX-20804	2.2 kW / 3.0 HP
CX-20805	3.0 kW / 4.0 HP

POWER P1	Qmax	PRESSURE	TEMPERATURE
1.5–3.0 kW	620–780 l/min	0.3 MPa	5–50 °C

Corex
POOL PRODUCTS

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Model Range & Detailed Specifications

Three model codes. Electrical, hydraulic and shipping values below reproduce the original technical table.

CX-20803



1.5 kW / 2.0 HP

CX-20804



2.2 kW / 3.0 HP

CX-20805



3.0 kW / 4.0 HP

ELECTRICAL & HYDRAULIC SPECIFICATIONS

MODEL	Qmax l/min	Hmax m	CURVE	V/Hz	P1 kW	P1 HP	AMPS
CX-20803	620	14	1	220-240/50	1.5	2.0	7.0
CX-20804	730	18	2	220-240/50	2.2	3.0	10
CX-20805	780	19	3	220-240/50	3.0	4.0	14

CONNECTION, WEIGHT & SHIPPING

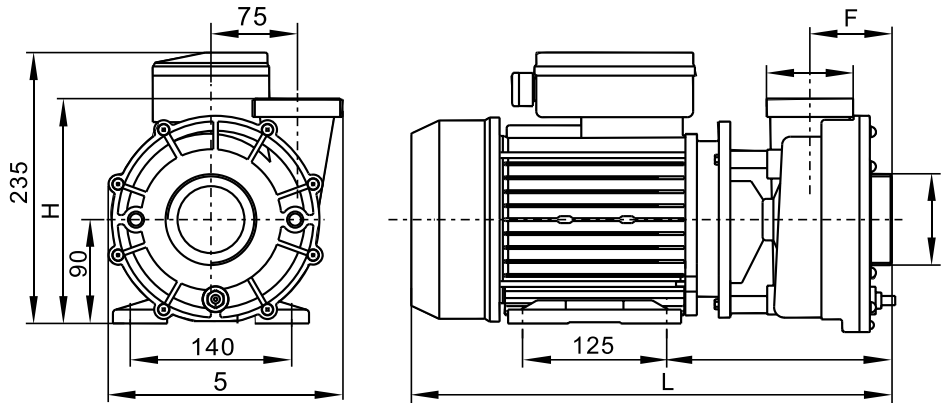
MODEL	FITTING SIZE (mm)	(Kg)	PACKING SIZE (mm)	Qty/20’
CX-20803	60.3 or 63	15.3	460 x 235 x 295	910
CX-20804	60.3 or 63	18	460 x 235 x 295	910
CX-20805	60.3 or 63	19.2	460 x 235 x 295	910

Power ratings shown in the source table are P1. Maximum head and flow are separate ratings.

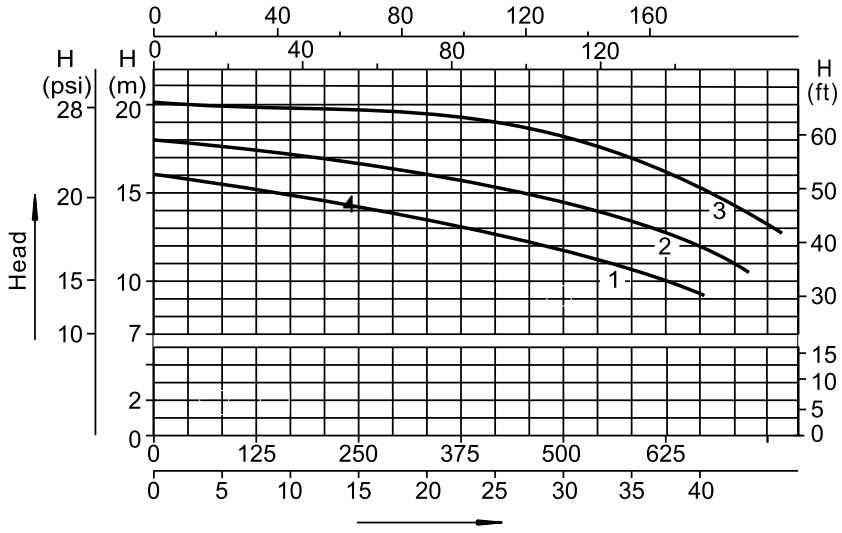
CYCLONE SERIES

Technical Data Sheet

ENGINEERING DRAWINGS



PERFORMANCE CURVES



CURVE IDENTIFICATION

CURVE 1
CX-20803

CURVE 2
CX-20804

CURVE 3
CX-20805

Original curves and source axes retained. No new duty points have been calculated.

L, H, F and I appear without a model-specific dimension table. The lower front dimension is printed as “5”; it is retained.

CYCLONE SERIES

Materials of Construction & Motor Features



MATERIALS & CONNECTIONS

Pump body: polypropylene reinforced with fiberglass, described as resistant to swimming-pool chemical products and long-lasting.

Impeller: Noryl.

Suction and return bush connections for gluing are included with the pump.

MOTOR & OPERATING SPECIFICATIONS

Mechanical seal
Graphite and ceramics.

Enclosed motor
IP-55 protection; 2,850 r.p.m.

Separation
Source states liquid is separate from the shaft.

Working temperature
5 to 50 °C.

Motor shaft
Stainless steel AISI 316L.

Bearing
High-temperature-resistant bearing for long life.

Maximum working pressure
0.3 MPa.

Source noise description
“Totally silent”; no measured noise value supplied.

SOURCE CLARIFICATIONS

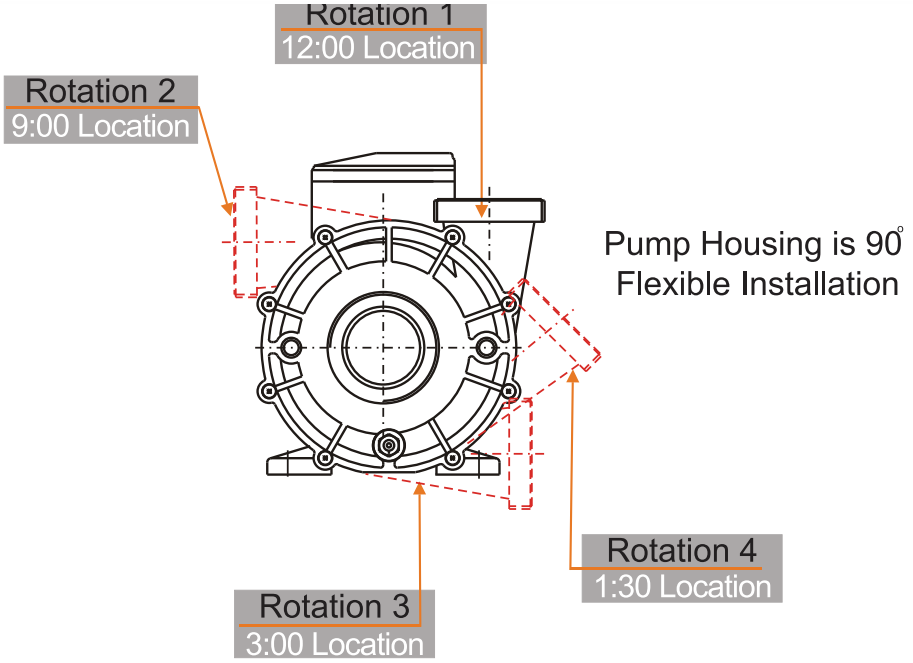
The material text states versions from 1.5 HP to 4 HP; the model table lists 2.0, 3.0 and 4.0 HP. Both are retained without adding a model.
The optional motor wording is “90 Frame , CCCCspeed motor is optional.” The term “CCCCspeed” is unclear and requires confirmation.

CYCLONE SERIES

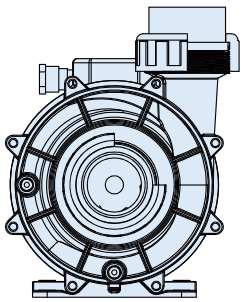
Housing Rotation & Installation Orientation

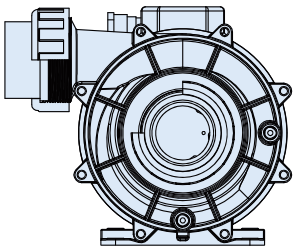
The original source describes “Pump Housing is 90° Flexible Installation”. Its rotation labels and example views are reproduced below.

HOUSING ROTATION — SOURCE DIAGRAM



SOURCE ORIENTATION VIEWS





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Exploded View & Component Identification

Detailed external illustration with the supplied component names and leader lines preserved.

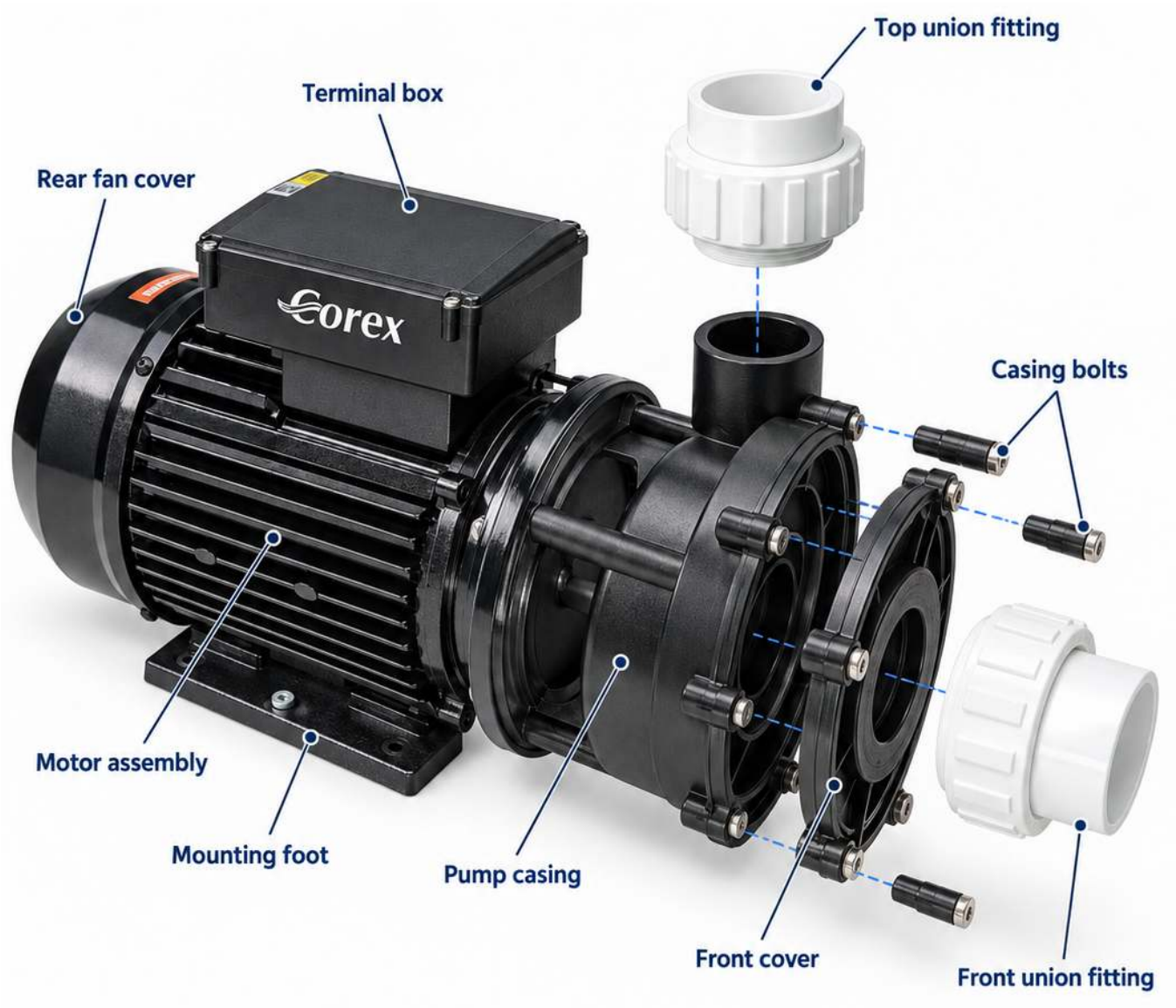


ILLUSTRATION REFERENCE

Supplied illustrative exploded view. Component labels describe the attached illustration; they are not manufacturer part codes. The original catalog does not provide a numbered service-parts list.