

# Standardised Process Pump CC/CCR

Combichem



## Applications

The Combichem is eminently suitable for the chemical and petrochemical industries. Media which can be easily pumped are acids, caustics, nitrogen, ammonia, phosphates, sulphates, nitrates, chlorides, dyes, oils, solvents, alcohols, sulphides, light hydrocarbons, aromatics, condensates etc. Also suitable for textile, food processing, pharmaceutical and paper & pulp industries.

## Range

Max. capacity	350 m <sup>3</sup> /h
Max. head	160 m.
Max. pressure	16 bars
Max. temperature	200°C
Standard material	CI, CS, Nod CI, SS316, Nobler Alloys
Shaft	Stainless Steel
Shaft sleeve	Stainless Steel

## Design

The 'Combichem' - CC/CCR, is an end suction, horizontal, back pull out pump in accordance with DIN 24256/ISO 2858.

Dynamically balanced closed impeller in radially split, top discharge volute provides smooth flow of liquid.

Flanges according to ISO 7005 PN 16 for stainless steel executions, ANSIB16.5, 150 LBS. is also available.

## Features

Combichem process pumps are manufactured to meet customer specific requirements with optimum standardization. High degree of mutual interchangeability of components within the 31 models of Combichem, as well as the Combisystem pump family, requires minimum assembly time at work & lower inventory of spares for the customer.

## Seal arrangements

Soft packing arrangement with provision for flushing and sealing liquid connections. Also available is jacketed stuffing box for high temperature applications. Generous seal cavity permits easy fitment of various configuration of mechanical seals in internal, external, cartridges types, with provision for API sealing plans.

A stuffing box supported with cooling jacket can be employed to handle liquids with temperatures ranging from 160°C to 200°C. If cooling water discharges are unacceptable to the environment, a Combitherm pump with mechanical seal which can operate at temperatures up to 200°C, is offered. The Combitherm pump has same dimensions and hydraulic performances as that of Combichem.

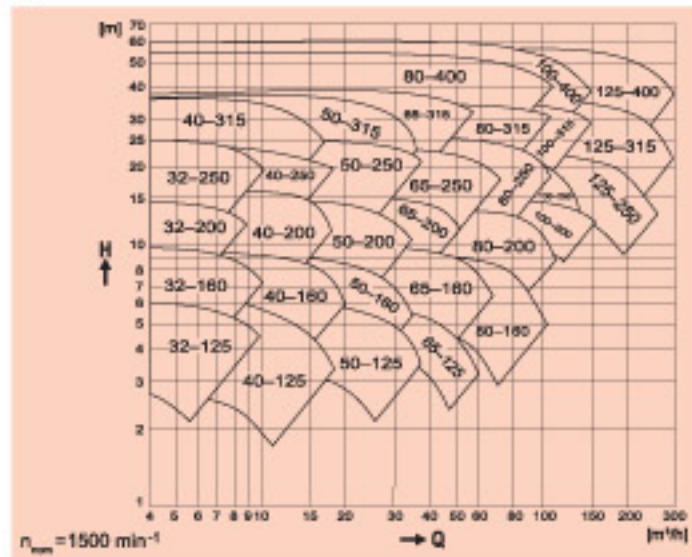
## Bearing arrangements

Employs single piece bearing housing cum bearing bracket that ensures perfect alignment even after at-site maintenance.

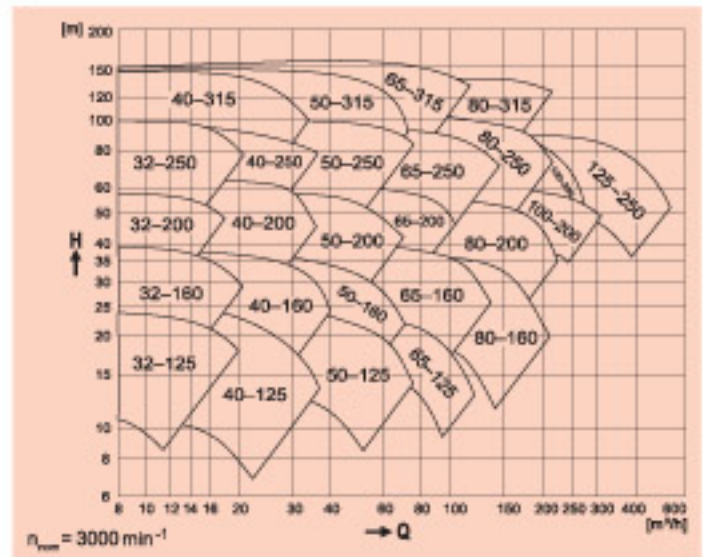
Strong over sized shaft with combination of deep grooved angular contact and cylindrical bearings to withstand radial & axial thrust and ensure continuous extended service life.

Two different assemblies, each equipped with either grease or oil bath lubricating system. The resulting combinations are completely interchangeable.

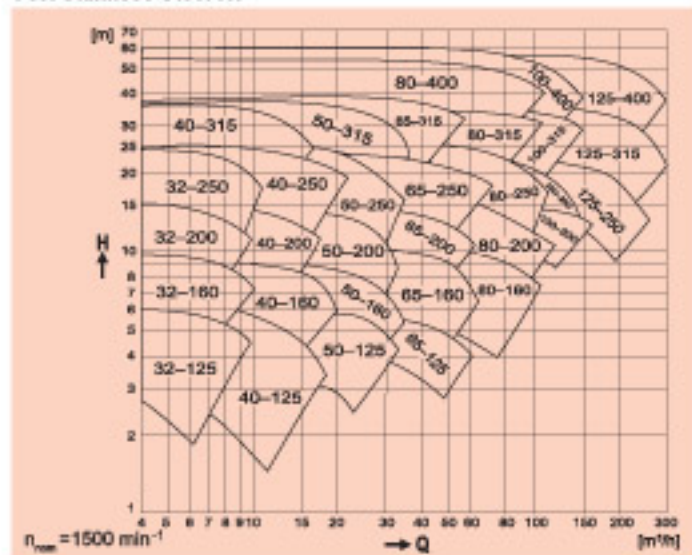
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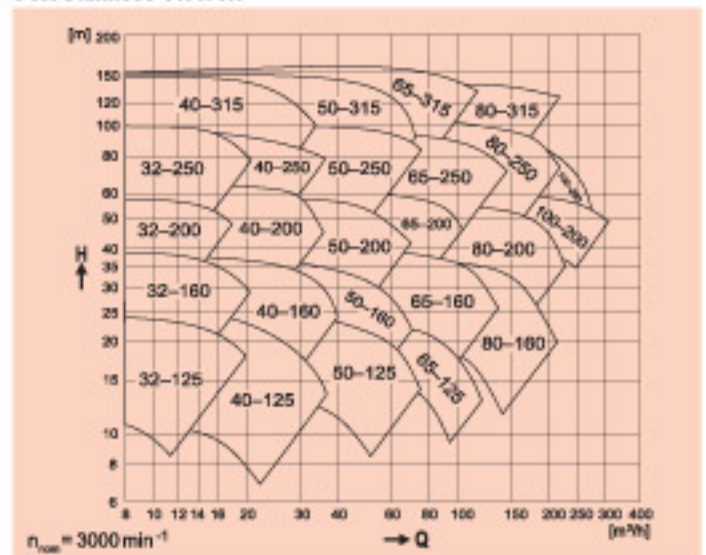
CC



CCR Stainless Steel R6



CCR Stainless Steel R6



Manufactured by:



**Johnson Pump (India) Limited**

Ahmedabad. In collaboration with Johnson Pump AB, Sweden.  
The company reserves the right to change any specifications without prior notice



Exclusively marketed by:

**A.T.E. Marketing Private Limited**

A - 19, CTS No. 689, Veera Desai Road, Anchari West, Mumbai - 400 053.  
Tel.: 022 5678 6100. Fax: 022 2673 2448. E Mail: pumps@ateindia.com Website: www.ateindia.com



Regional offices:

**AHMEDABAD**  
Mistry Chambers,  
Khanpur - 380 001.  
Tel.: 079 - 2590 0552.  
Fax: 079 - 2590 0145.  
E Mail: ate\_ahd@ateindia.com

**BANGALORE**  
No. 6, Rice Lane,  
Richmond Town - 560 025.  
Tel: 080 - 5114 4144.  
Fax: 080 - 2212 3544.  
E Mail: ate\_bgl@ateindia.com

**CHENNAI**  
No. 2, 4th Street,  
Karpagam Avenue - 600 028.  
Tel: 044 - 2461 4634.  
Fax: 044 - 2461 4608.  
E Mail: ate\_chennai@ateindia.com

**KOLKATA**  
Utsarga, 2nd Floor,  
220/1, Harenita Mukhopadhyay  
Sarani - 700 029.  
Tel: 033 - 2485 9806.  
Fax: 033 - 2485 9820.  
E Mail: ate\_kol@ateindia.com

**NEW DELHI**  
504 - 506, 510,  
Sunjeja Towers II, District Centre,  
Janakpuri - 110 058.  
Tel: 011 - 2550 7012.  
Fax: 011 - 2550 7809.  
E Mail: ate\_delhi@ateindia.com