

CombiBloc

Close-coupled horizontal centrifugal pump



System characteristics

The CombiBloc is a part of the CombiSystem, a family of different pump types having a high interchangeability in parts.

A characteristic of the CombiBloc is the compact close coupled configuration of the pump and electric motor assembly. The pump is assembled using a lantern piece and a stub shaft, which has a snug fit on the motor shaft. Hence, any flange mounted motor satisfying the IEC-standard can be used.

Applications

The CombiBloc is suitable for handling low viscosity, clean or slightly contaminated and aggressive liquids. For e.g. crop farming and market gardening, aboard ships and in handling various chemicals.

Pump specifics

- Suitable for a wide span of duties
- Compact and modular design
- Comes standard with mechanical seal to DIN 24960
- Use of standard IEC motor
- Maintenance is very easy thanks to the use of the Back-Pull-Out principle
- Self-venting pump casing
- Suitable for vertical arrangement
- High pump efficiency

Technical data

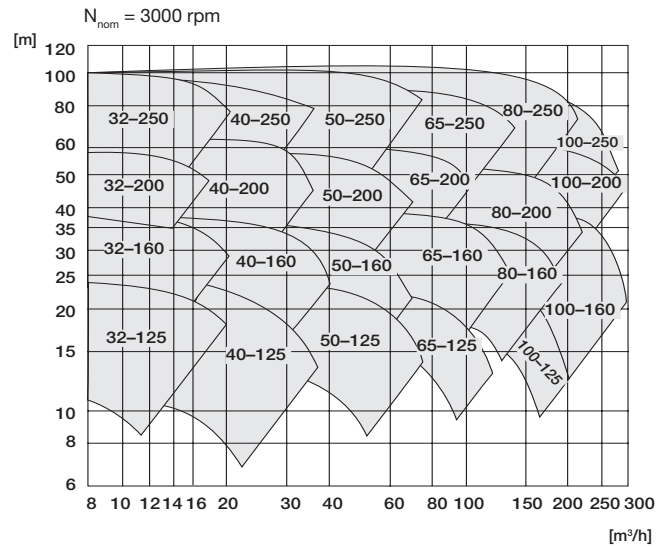
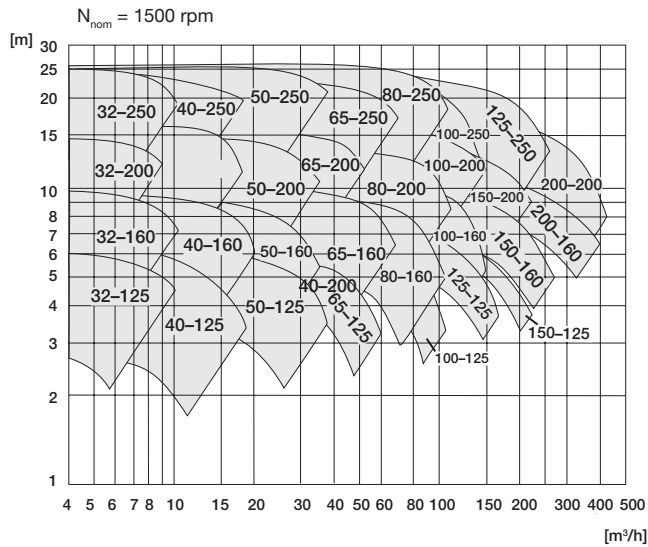
Maximum capacity:	500 m ³ /h
Maximum delivery head:	100 m
Maximum liquid temperature:	110°C
Maximum operating pressure:	10 bar (1000 kPa)
Maximum speed:	3600 rpm

Materials

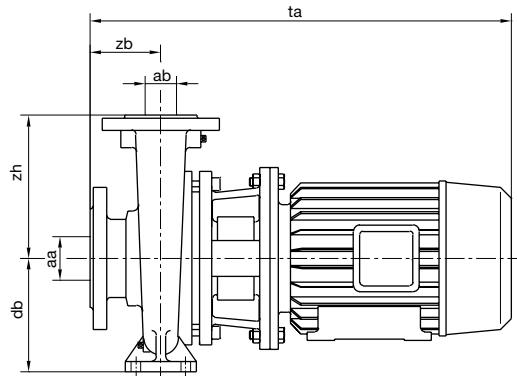
Pump casing	Cast iron	Bronze	Stainless steel
Impeller	Cast iron	Bronze	Stainless steel
Stub shaft	Stainless steel (AISI 316)		
Pump cover	Cast iron	Bronze	Stainless steel
Lantern piece	Cast iron		



Performance data



Dimensions



Combi Bloc	ISO 7005 PN 16				db	zb	zb"	zh
	aa	aa"	ab	ab"				
32-125	50	50	32	32	112	80	80	140
32-160	50	50	32	32	132	80	80	160
32-200	50	50	32	32	160	80	80	180
32-250	50	50	32	32	180	100	100	225
40-125	65	65	40	40	112	80	80	140
40-160	65	65	40	40	132	80	80	160
40-200	65	65	40	40	160	100	100	180
40-250	65	65	40	40	180	100	100	225
50-125	65	80	50	50	132	100	100	160
50-160	65	80	50	50	160	100	100	180
50-200	65	80	50	50	160	100	100	200
50-250	65	80	50	50	180	100	125	225
65-125	80	100	65	65	160	100	100	180
65-160	80	100	65	65	160	100	100	200
65-200	80	100	65	65	180	100	100	225
65-250	80	100	65	65	200	100	125	250

Combi Bloc	ISO 7005 PN 16				db	zb	zb"	zh
	aa	aa"	ab	ab"				
80-160	100	125	80	80	180	125	125	225
80-200	100	125	80	80	180	125	125	250
80-250	100	125	80	80	200/225"	125	125	280
100-125	100	-	100	-	180	125	-	250
100-160	125	-	100	-	200	125	-	315
100-200	125	125	100	100	200	125	125	280
100-250	125	125	100	100	225	125	140	280
125-125	125	-	125	-	225	140	-	300
125-250	150	150	125	125	250	140	140	355
150-125	150	-	150	-	280	160	-	400
150-160	150	-	150	-	250	160	-	315
150-200	150	-	150	-	250	160	-	315
200-160	200*	-	200*	-	280	200	-	400
200-200	200*	-	200*	-	280	200	-	400

ta: depending on motor frame size. ISO 7005 PN 16 = DIN 2533



Johnson Pump B.V.



Dr. A.F. Philipsweg 51. P.O. Box 372, NL-9400 AJ Assen. Tel +31 592 37 67 00. Fax +31 592 37 67 10

Axiom Technologies-Kolkata Ph:+91 33 32951385 admin@axiomtech.co.in