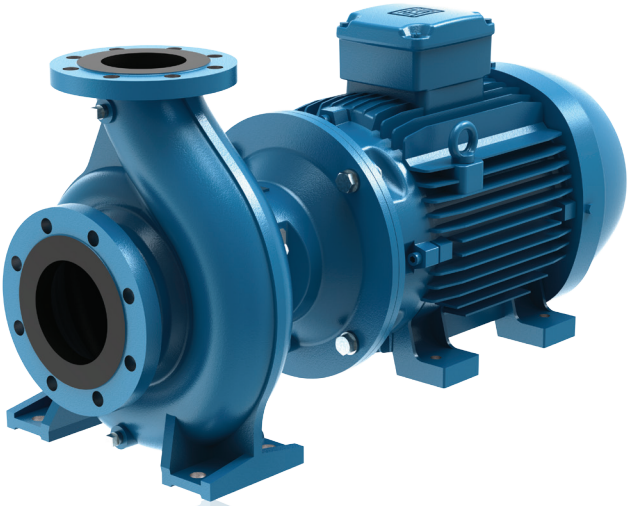
EBARA

CLOSE-COUPLED END SUCTION PUMP

TYPE GSD

Ahead > Beyond

Close-coupled End Suction Pump GSD



APPLICATION

BUILDING

- Air conditioning-district heating & cooling
- General water supply
- Brine (antifreeze liquid)
- Hot water circulation
- High boost pressure

WATER SUPPLY

- Water supply duties for municipalities
- Irrigation
- Drainage clean water
- Fire protection
- Swimming pool

FEATURES

Energy-saving design

- World top class pump efficiency achieved.
- Major improvement over our previous models by impeller designed using our proprietary 3D inverse design technology.
- Higher efficiency means lower energy consumption and motor output, and more compact size.

Easy installation and simple maintenance

- Alignment is not required with close coupled design.
- Back pull-out structure enables disassembly and inspection without removal of suction and discharge piping.
- Shield bearings eliminate need for adding or exchanging lubricating oil. (Up to 45kW)
- Shaft seal flushing piping not required for the standard application.
- Air-bleeding not required.
- Simplified shaft seal and “O” ring body seal enable easy assembly.

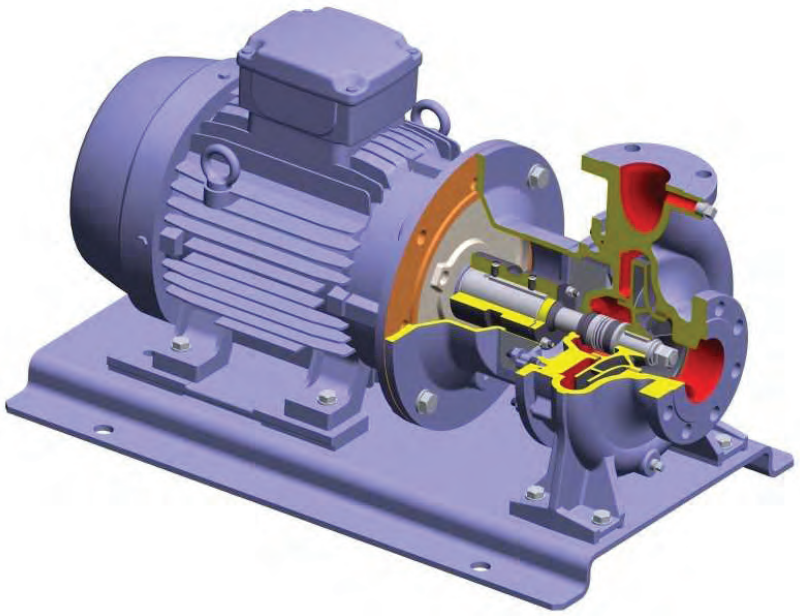
Pump specifications

- Maximum operating pressure: 16 bar
- Liquid temperature range expansion: -10°C to 120°C
- Compatible with multiple flange standards.

International standards

- Pump dimensions adopt EN733
- Mechanical seal adopts EN12756
- Protector fitted in accordance with EN294.
- Electric motor conforms to IEC60072-1 and IEC60034-1

Close-coupled End Suction Pump GSD

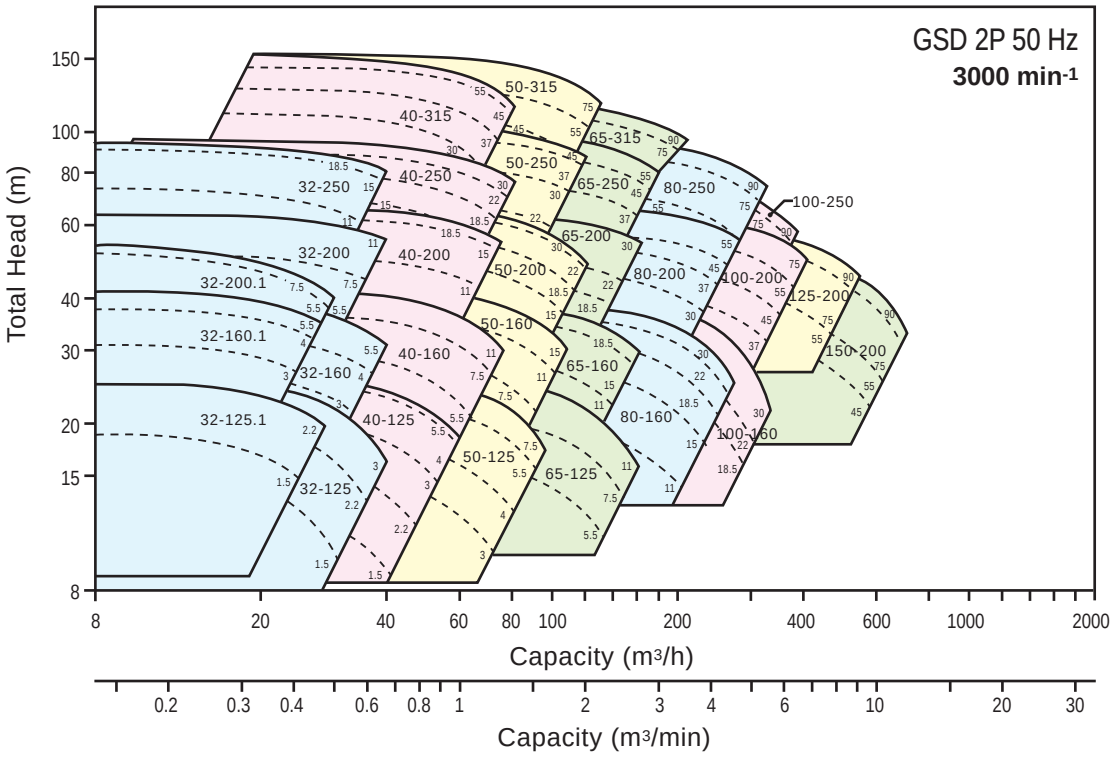


SPECIFICATIONS

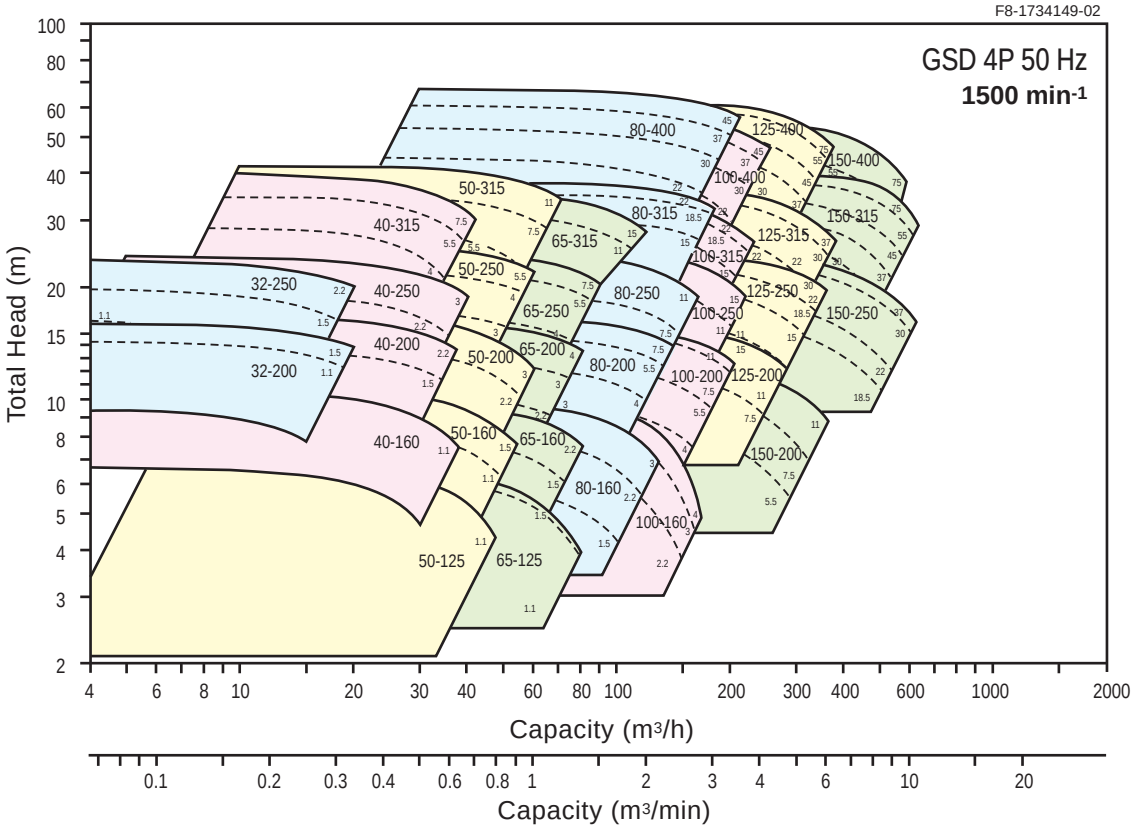
Capacities		To 700 m^3/hr	
Heads		To 150 m	
Liquid temperatures		-10℃ to 120℃	
Max. working pressures		1.6MPa(PN16)	
Standard allowable boost pressure		1.6 –"Shut-off pressure" MPa (PN16)	
Construction	**Impeller**	Closed, single suction type and balancing holes to reduce axial thrust	
	Shaft seal	Single mechanical seal based upon EN12756 (Conical type)	
	Bearing (Inside the motor)	Up to 45kW: Shield ball bearing (Grease lubrication) 55kW or over: Ball bearing (Grease supply type)	
Materials	**Casing**	Cast Iron (FC250)	
	Impeller	Cast iron (100/125/150-400: FCD400, other models: FC200) Bronze (CAC406)	
	Shaft	SUS420J2Q (Wetted part)	
Applicable pump standard		EN733	
Applicable flange standard		EN PN16 (EN1092-2)	
Rotation		Clockwise viewed from drive end	
Painting	**Outer surface**	Primer coating	Cationic electro-deposition painting (Cation)
		Final coating	Alkyd resin based enamel
		Finish color	Munsell 2.5PB4/2 (Dark gray)
	Inner surface	Primer coating	Cationic electro-deposition painting (Cation)
		Final coating	Non painting
		Finish color	Black

PERFORMANCE CURVE

F8-1734148-02



F8-1734149-02



* All specifications are subject to change without prior notice.

EBARA Pumps Malaysia Sdn Bhd
6, Jalan TP3, UEP Subang Jaya Industrial Park,
47620 Subang Jaya, Selangor, Malaysia.
Tel : 03-8023 6622 Fax : 03-8023 9355
Email : sales@ebara.com.my
Website : www.ebara.com.my

Approval No.0048594
Approval No.0049022

Authorised dealer: