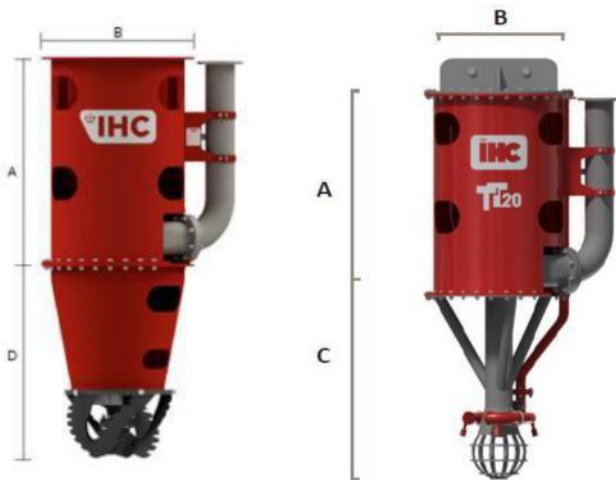


Technical Specifications OTTer[®] 150 Pump

Basic dimensions



DIMENSIONS	VALUE
A: Height Standard Pump	1,415mm
B: Diameter: Standard Pump	1,020mm
C: Sand Production Unit	1,070mm
D: Cutter Unit	1,450mm
MASSES	
Basic Pump Mass	1,015kg
Mass – Sand Production Unit	105kg
Mass – Cutter Unit	690kg

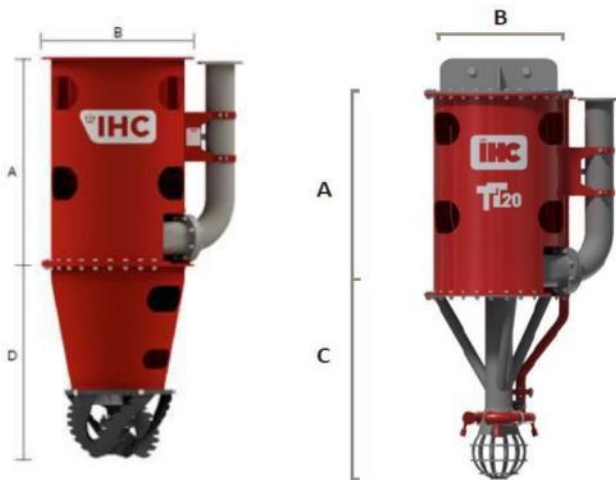
Specifications

OTTer[®] Pump 150 hydraulically driven 3-bladed impeller, submersible dredge pump.

Item	Description	Value	Unit / Comments
PERFORMANCE			
1	Max. water capacity	550	m ³ /h
2	Max. mixture capacity	Refer to pump graph	
3	Max. working pressure	5	Bar
DREDGE PUMP DIMENSIONS			
4	Suction diameter	150	mm
5	Discharge diameter	150	mm
6	Ball passage diameter	80	mm
JETTING WATER SPECIFICATIONS			
7	Jet water capacity	65	m ³ /h
8	Pressure	8	bar
HYDRAULIC REQUIREMENTS – DREDGE PUMP			
9	Max. pump power	65	kW
10	Oil flow	140	l/min
11	Oil pressure ΔP at motor	320	bar
HYDRAULIC REQUIREMENTS – JET WATER PACK			
12	Max. power at shaft	24	kW
13	Oil flow	60	l/min
14	Oil pressure ΔP at motor	250	bar
HYDRAULIC REQUIREMENTS – CUTTER			
15	Max. power at shaft	13	kW
16	Oil flow	42	l/min
17	Oil pressure ΔP at motor	320	bar

Technical Specifications OTTer[®] 200 Pump

Basic dimensions



DIMENSIONS	VALUE
A: Height Standard Pump	1,545mm
B: Diameter: Standard Pump	1,135mm
C: Sand Production Unit	1,400mm
D: Cutter Unit	1,450mm
MASSES	
Basic Pump Mass	1,575kg
Mass – Sand Production Unit	185kg
Mass – Cutter Unit	725kg

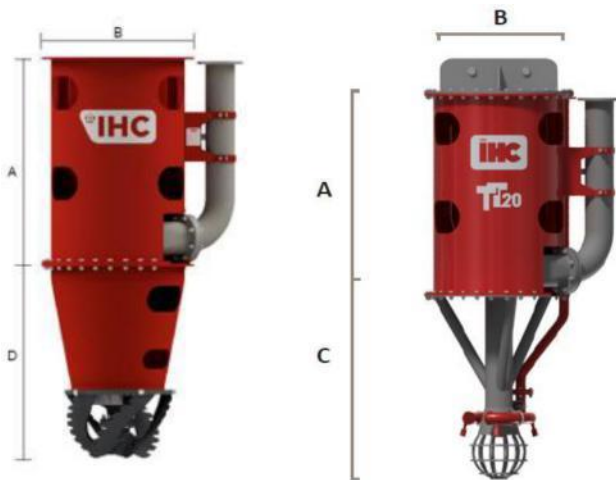
Specifications

OTTer[®] Pump 200 hydraulically driven 3-bladed impeller, submersible dredge pump.

Item	Description	Value	Unit / Comments
PERFORMANCE			
1	Max. water capacity	900	m ³ /h
2	Max. mixture capacity	Refer to pump graph	
3	Max. working pressure	5	Bar
DREDGE PUMP DIMENSIONS			
4	Suction diameter	200	mm
5	Discharge diameter	200	mm
6	Ball passage diameter	108	mm
JETTING WATER SPECIFICATIONS			
7	Jet water capacity	95	m ³ /h
8	Pressure	8	bar
HYDRAULIC REQUIREMENTS – DREDGE PUMP			
9	Max. pump power	95	kW
10	Oil flow	255	l/min
11	Oil pressure ΔP at motor	280	bar
HYDRAULIC REQUIREMENTS – JET WATER PACK			
12	Max. power at shaft	34	kW
13	Oil flow	93	l/min
14	Oil pressure ΔP at motor	220	bar
HYDRAULIC REQUIREMENTS – CUTTER			
15	Max. power at shaft	21	kW
16	Oil flow	51	l/min
17	Oil pressure ΔP at motor	280	bar

Technical Specifications OTTer® 250 Pump

Basic dimensions



DIMENSIONS	VALUE
A: Height Standard Pump	1,755mm
B: Diameter: Standard Pump	1,340mm
C: Sand Production Unit	1,625mm
D: Cutter Unit	1,550mm
MASSES	
Basic Pump Mass	2,435kg
Mass – Sand Production Unit	290kg
Mass – Cutter Unit	825kg

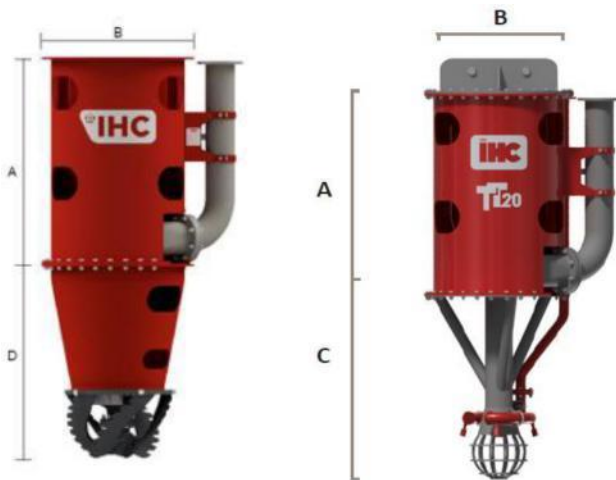
Specifications

OTTer® 250 Pump hydraulically driven 3-bladed impeller, submersible dredge pump.

Item	Description	Value	Unit / Comments
PERFORMANCE			
1	Max. water capacity	1,300	m ³ /h
2	Max. mixture capacity	Refer to pump graph	
3	Max. working pressure	5	Bar
DREDGE PUMP DIMENSIONS			
4	Suction diameter	240	mm
5	Discharge diameter	250	mm
6	Ball passage diameter	130	mm
JETTING WATER SPECIFICATIONS			
7	Jet water capacity	145	m ³ /h
8	Pressure	8	bar
HYDRAULIC REQUIREMENTS – DREDGE PUMP			
9	Max. pump power	150	kW
10	Oil flow	404	l/min
11	Oil pressure ΔP at motor	240	bar
HYDRAULIC REQUIREMENTS – JET WATER PACK			
12	Max. power at shaft	48	kW
13	Oil flow	125	l/min
14	Oil pressure ΔP at motor	235	bar
HYDRAULIC REQUIREMENTS – CUTTER			
15	Max. power at shaft	25	kW
16	Oil flow	70	l/min
17	Oil pressure ΔP at motor	240	bar

Technical Specifications OTTer® 300 Pump

Basic dimensions



DIMENSIONS	VALUE
A: Height Standard Pump	2,060mm
B: Diameter: Standard Pump	1,540mm
C: Sand Production Unit	1,780mm
D: Cutter Unit	1,825mm
MASSES	
Basic Pump Mass	4,055kg
Mass – Sand Production Unit	480kg
Mass – Cutter Unit	1,315kg

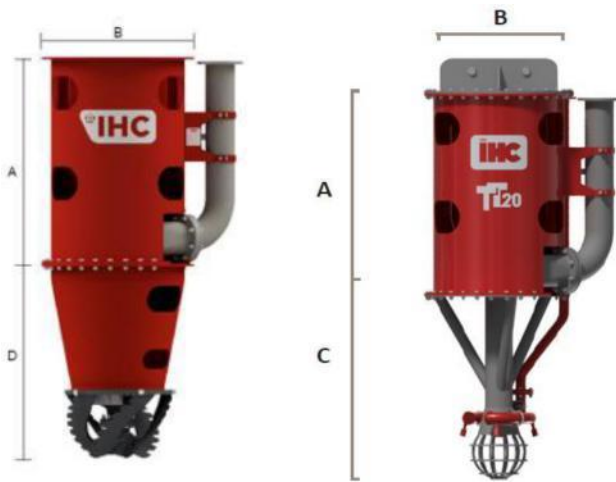
Specifications

OTTer® Pump 300 hydraulically driven 3-bladed impeller, submersible dredge pump.

Item	Description	Value	Unit / Comments
PERFORMANCE			
1	Max. water capacity	2,000	m ³ /h
2	Max. mixture capacity	Refer to pump graph	
3	Max. working pressure	5	Bar
DREDGE PUMP DIMENSIONS			
4	Suction diameter	300	mm
5	Discharge diameter	3000	mm
6	Ball passage diameter	162	mm
JETTING WATER SPECIFICATIONS			
7	Jet water capacity	210	m ³ /h
8	Pressure	8	bar
HYDRAULIC REQUIREMENTS – DREDGE PUMP			
9	Max. pump power	250	kW
10	Oil flow	630	l/min
11	Oil pressure ΔP at motor	280	bar
HYDRAULIC REQUIREMENTS – JET WATER PACK			
12	Max. power at shaft	66	kW
13	Oil flow	187	l/min
14	Oil pressure ΔP at motor	210	bar
HYDRAULIC REQUIREMENTS – CUTTER			
15	Max. power at shaft	44	kW
16	Oil flow	105	l/min
17	Oil pressure ΔP at motor	280	bar

Technical Specifications OTTer® 350 Pump

Basic dimensions



DIMENSIONS	VALUE
A: Height Standard Pump	2,240mm
B: Diameter: Standard Pump	1,735mm
C: Sand Production Unit	2,135mm
D: Cutter Unit	1,960mm
MASSES	
Basic Pump Mass	4,210kg
Mass – Sand Production Unit	605kg
Mass – Cutter Unit	1,375kg

Specifications

OTTer® Pump 350 hydraulically driven 3-bladed impeller, submersible dredge pump.

Item	Description	Value	Unit / Comments
PERFORMANCE			
1	Max. water capacity	2,700	m³/h
2	Max. mixture capacity	Refer to pump graph	
3	Max. working pressure	5	Bar
DREDGE PUMP DIMENSIONS			
4	Suction diameter	350	mm
5	Discharge diameter	350	mm
6	Ball passage diameter	190	mm
JETTING WATER SPECIFICATIONS			
7	Jet water capacity	280	m³/h
8	Pressure	8	bar
HYDRAULIC REQUIREMENTS – DREDGE PUMP			
9	Max. pump power	375	kW
10	Oil flow	900	l/min
11	Oil pressure ΔP at motor	280	bar
HYDRAULIC REQUIREMENTS – JET WATER PACK			
12	Max. power at shaft	85	kW
13	Oil flow	190	l/min
14	Oil pressure ΔP at motor	275	bar
HYDRAULIC REQUIREMENTS – CUTTER			
15	Max. power at shaft	46	kW
16	Oil flow	105	l/min
17	Oil pressure ΔP at motor	320	bar

This document remains the property of IHC South Africa (Pty) Ltd. All rights reserved. This document or any part thereof may not be made public or disclosed, copied or otherwise reproduced or used in any form or by any means, without prior permission in writing from IHC South Africa (Pty) Ltd

WHICH OTTer® -PUMP IS RIGHT FOR YOUR PROJECT?

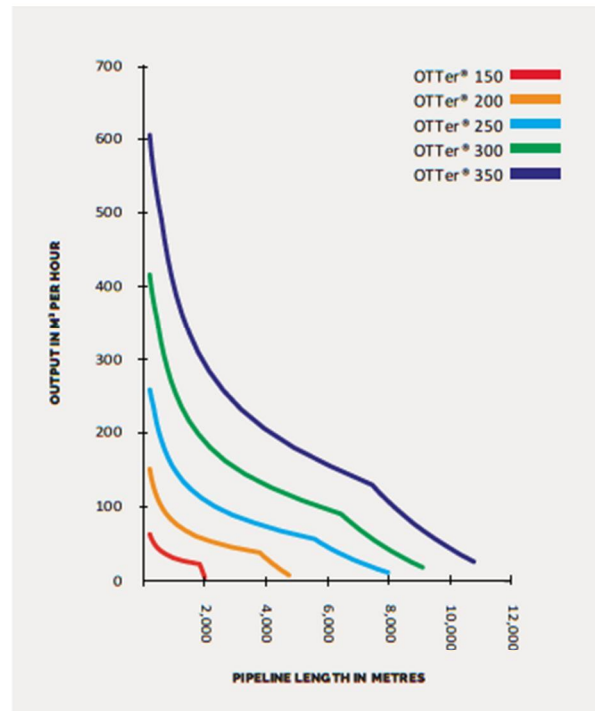
The graphs below show the performance of the OTTer® pump units. The output of solids volume per hour is shown against the discharge length per OTTer® pump unit. Depending on the required output these graphs can help in choosing the right OTTer® pump for the job at hand.

THE SAND TYPES AS INDICATED IN THE PRODUCTION GRAPHS ARE DEFINED AS FOLLOWS:

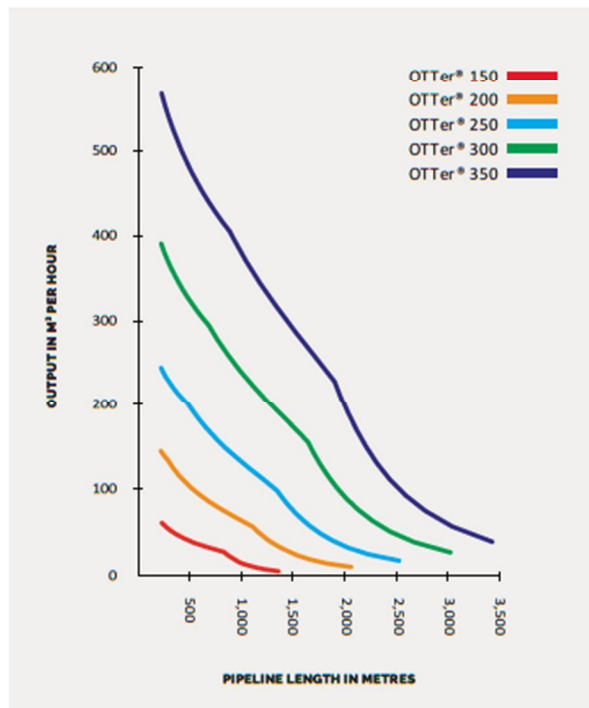
SAND TYPE	GRAIN SIZE	SITU DENSITY
Silt	0.058mm	1,600kg/m ³
Medium sand	0.300mm	2,000kg/m ³
Gravel	7.275mm	2,200kg/m ³

Dredging depth 10m
Geodetic head 4m

SILT



MEDIUM SAND



GRAVEL

