Submersible Slurry Pumps
& High Head Dewatering

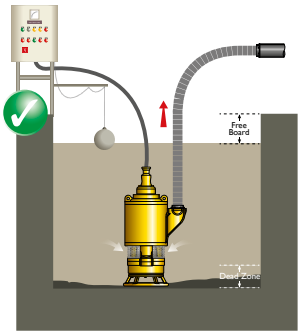
Number One for Reliability, Strength & Endurance

DIRTY WATER HIGH HEAD
(DWHH) SUBMERSIBLE PUMP

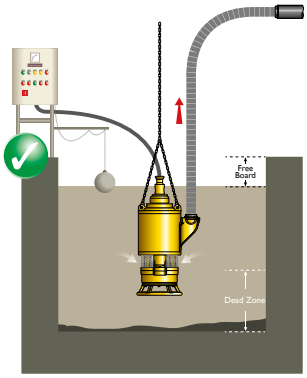
The Goodwin DWHH benefits from many of the Submersible Slurry Pumps unique advantages, making it one of the most versatile pumps in the world.

These featured include Forced Convection Cooling, Oil Filled Motor (all Brass & Copper), Non-pressurised Mechanical Seal, Twin Volute Casing, Over-sized Bearings, Extreme Heavy Duty Cable, Product Temperatures up to 90°C, Dry Running Capability for extended periods of time.

The Goodwin DWHH Pump features a "Top Suction" Inlet, which is protected by Stainless Steel guards. These guards prevent oversize particles from entering the pump, and thus preventing blockages. As with every Goodwin submersible pump, the DWHH pump features a Non-Pressurised Mechanical Seal which is only subjected to the pressure from the submergence depth of the pump, and not the discharge pressure of the product (as competitor pumps predominantly are).



Being a Top Suction pump, the DWHH is able to sit unsupported at the bottom of any sump



A Typical DWHH Installation

- Max solid content - 10%
- Max specific gravity kg/l - 1.1
- Max particle size - 10mm
- Max media temperature - 90°C
- Max flow m3/hr - 215
- Max head - 130m 100DWHH
  190m 150DWHH
- Max pressure - 13 bar 100DWHH
  19 bar 150DWHH
- Max submergence depth - 28m
- Minimum sump size* - L 2.5m x W 2m x D 2.5m
- Sump Dead Zone* (Bottom) - 0.42m

Typical uses for the Goodwin DWHH pump include;

- Flood level control - Industrial, Municipal, Mining & Marine
- Long distance pumping applications (up to 4 km)
- High wall pumping (open pit) applications
- Construction of Buildings, Dams & Harbour walls
- Emergency and Environmental control
- Agriculture - Irrigation / Centre Pivots, Dam Feeding
- Underground Mining (Non-Explosive applications) - Shaft bottom to first level

www.goodwinafrica.com

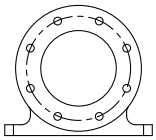
DIRTY WATER HIGH HEAD: TECHNICAL INFORMATION

Goodwin AFRICA

Electrical Data

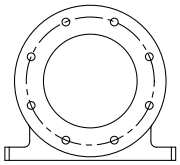
Volts	Full Load Current	Inrush Current Direct on line	Inrush Current Soft Start	No Load Current	Fuse Size (HRC)
90kW , 1450RPM - 100mm DWHH					
380V	165 A	860 A	580 A	39 A	350 A
415V	156 A	810 A	545 A	37 A	350 A
525V	124 A	645 A	435 A	29 A	300 A
660V	94 A	490 A	330 A	22 A	300 A
1000V	63 A	330 A	225 A	17 A	250 A
150kW , 1450RPM - 150mm DWHH					
380V	284 A	1475 A	980 A	58 A	400 A
415V	261 A	1350 A	910 A	56 A	400 A
525V	204 A	1050 A	710 A	45 A	350 A
660V	162 A	840	565 A	36 A	350 A
1000V	106 A	550 A	370 A	28 A	300 A

100mm DWHH Flange Connections

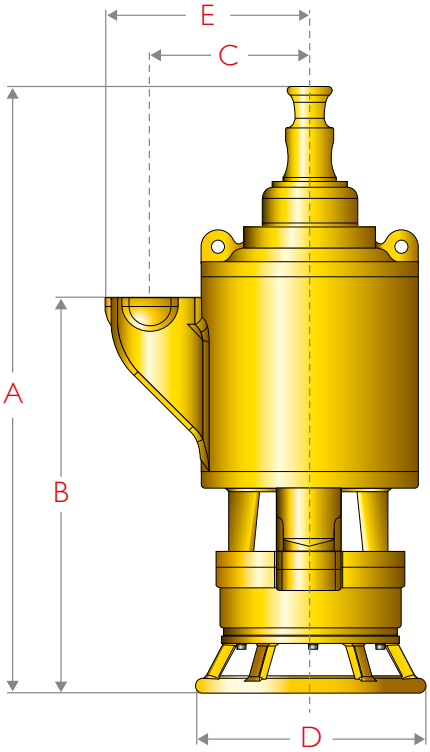


DN100 - PN16
M16*2.0P
8 Places ø180 PCD

150mm DWHH Flange Connections

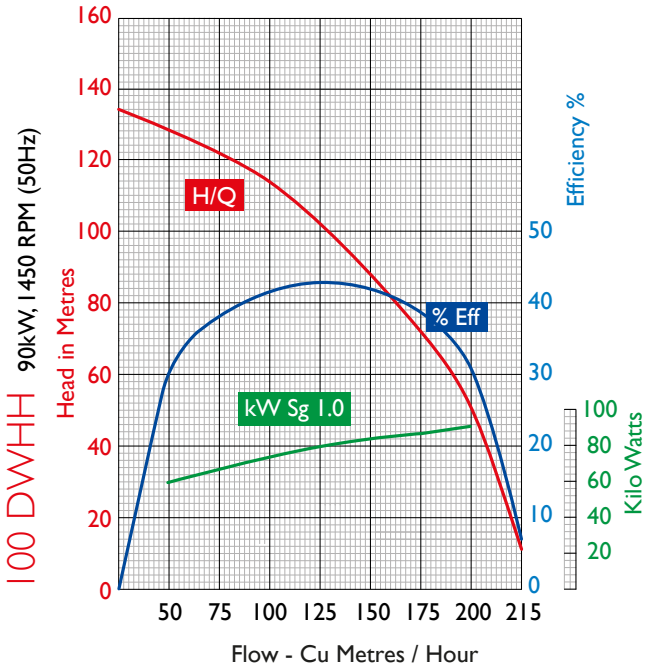


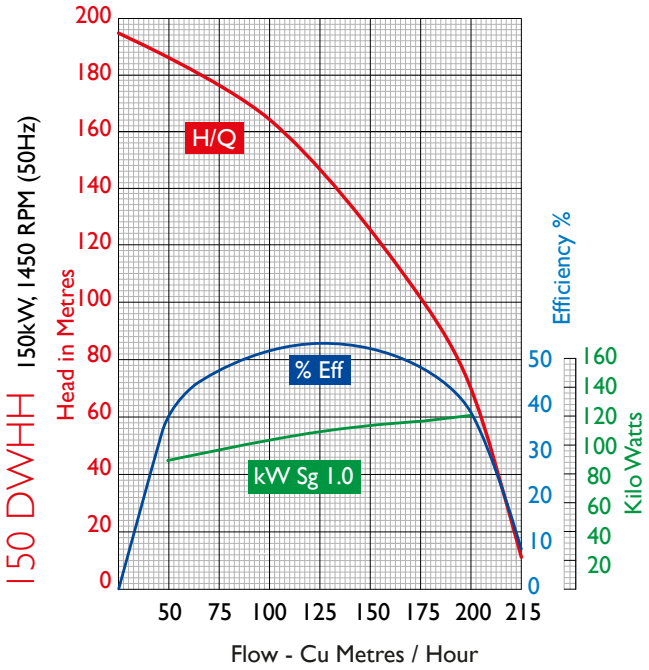
DN150 - PN25
M24*3.0P
8 Places ø250 PCD



Weights & Dimensions

Pump Size	Power kW	Speed RPM	Weight kg	Dimensions mm A	B	C	D	E	Outlet Dia. mm	Max Particle mm	Max Q m³/h	Max H m	Max Sg kg/l
100DWHH	90	1450	1940	1900	1200	500	940	605	100	10	215	130	1.1
150DWHH	150	1450	2710	2017	1343	600	940	750	150	10	215	190	1.1





Goodwin Submersible Pumps Africa PTY Ltd

Unit 1 Bridgeway Business Park, Corner Sam Green road & Pinnacle Close,
Tunney ext. 9, Germiston, 1401, South Africa

Tel: +27 (0)11 568 9877
Email: pumps@goodwinafrica.com

www.goodwinafrica.com