

Ideal for ground and nuisance water removal, drainage from dams, sewer systems, tunnels, river improvement projects and construction sites and pumping of muddy liquid generated from industrial projects.

FEATURES & BENEFITS

DT37KZN, DT55KZN,

DT75KZN, DT110KZN,

DT150KZN, DT220KZN

Corrosion resistant 410 stainless steel shaft and stainless steel shaft sleeve

- Long service life
- Impact resistant and long lasting
- Easily replaceable shaft sleeves save on shaft wear

Multivane, semi-open, wear resistant, high chrome impeller

 Ability to handle abrasive solid concentrations up to 70% by weight

Pumps have a heavy duty high chrome agitator

 Keeps the flow chamber and impeller clear by causing the solids to move in suspension, preventing the pump from clogging

Double silicon carbide mechanical seals

- Abrasion resistant
- Located in separate oil chamber to protect the motor
- Added protection of a heavy duty lip seal

Top discharge with a motor water jacket

- Slimline design reduces the chance of damage to the outlet in transit
- Allows for pumping within inches of the bottom, without risk of overheating

Hardened ductile iron volute

 Cast with extra thick walls (300 Brinnell hardness) is twice as abrasive resistant as standard ductile cast iron, which ensures greater durability

Replaceable wear plate

 Hardened surface on suction side inhibits the occurrence of erosion that could cause a reduction in pump performance

Large open strainer

Protects from larger solids entering the pump

Lifting rings

For easy lifting and transportation of the pump



Sump Pumps

OPERATING LIMITS					
Capacities to	6250 lpm (375m³/hr)				
Maximum total head	36m				
Maximum submergence	15m				
Maximum pumped water temperature	40° C				

MATERIALS OF CONSTRUCTION					
PART	MATERIAL				
Motor Top and Shell	FC200 cast iron				
Pump body	FCD450 hardened ductile iron				
Suction cover	High (23%) chrome iron				
Agitator	High (23%) chrome iron				
Discharge outlet	FC200 cast iron				
Strainer	Steel				
Impeller	High (23%) chrome iron				
Lip seal	Nitrile				
Pump shaft	410 stainless steel				
Mechanical seals	Dual silicone carbide				
Seal and bottom bearing housing	FC200 cast iron				
Fasteners and plugs	304SS				
Power supply leads	HO7RNF				

ELECTRICAL DATA								
Supply voltage				380-415V / 50Hz / 3 phase				
Cable length (m)				20m				
Speed (rpm)				1450				
Insulation class			Н					
IP rating			x8					
Starting			DOL					
Motor kW size (P ₂)	3.7	5.5	7.5	11.0	15.0	22.0		
Input kW size (P ₁)	4.4	6.9	9.75	14.0	17.6	26.4		
Start Amps	50	63	73	103	134	182		
Run Amps	8	11.5	15.7	29.9	36.5	45.5		

SUITABLE FLUIDS

Water containing soft solids and/or hard solids in suspension, up to 70% by weight. Some wear should be expected with hard solid pumping. Not suitable for explosive or flammable materials or fluids.

DIMENSIONS (mm)									
Model	Motor (P ₂) (kW / HP)	Discharge Port	Maximum Solids (mm)	Weight (kg)	L (mm)	W (mm)	H (mm)		
DT37KZN	3.7 / 5	3"	20	130	420	410	820		
DT55KZN-H	5.5 / 7.5	3"	25	150	420	410	820		
DT55KZN	5.5 / 7.5	4"	25	150	420	410	820		
DT75KZN-H	7.5 / 10	4"	25	180	420	410	840		
DT75KZN	7.5 / 10	4"	25	180	420	410	840		
DT110KZN-H	11 / 15	4"	35	245	565	485	1100		
DT110KZN	11 / 15	6"	35	245	565	485	1100		
DT150KZN	15 / 20	6"	35	265	565	485	1100		
DT150KZN-L	15 / 20	6"	35	265	565	485	1100		
DT220KZN	22 / 30	6"	35	410	578	543	1325		
DT220KZN-L	22 / 30	6"	35	410	578	543	1325		







