DAVEY

SumpPumps

Model Number:
DT37KZN, DT55KZN/-H, DT75KZN/-H,
DT110KZN/-H, DT150KZN/-L, DT220KZN/-L

WARRANTY
1 YEAR

APPLICATIONS

Ideal for ground and nuisance water removal, drainage from dams, sewer systems, tunnels, river improvement projects and construction sites.

A proven performer pumping muddy liquids and slurries at quarries, mines and industrial projects.

SLURRY HANDLING PUMPS

FEATURES & BENEFITS

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

DAVEY

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

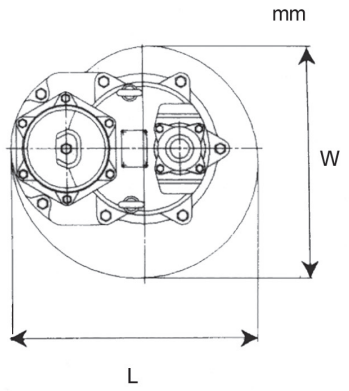
MATERIALS OF CONSTRUCTION	
PART	MATERIAL
Motor Top and Shell	FC200 cast iron
Pump body	FCD450 hardened ductile iron
Suction cover	High (23%) chrome iron
Agitator	High (23%) chrome iron
Discharge outlet	FC200 cast iron
Strainer	Steel (TBA)
Impeller	High (23%) chrome iron
Lip seal	Nitrile
Pump shaft	410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

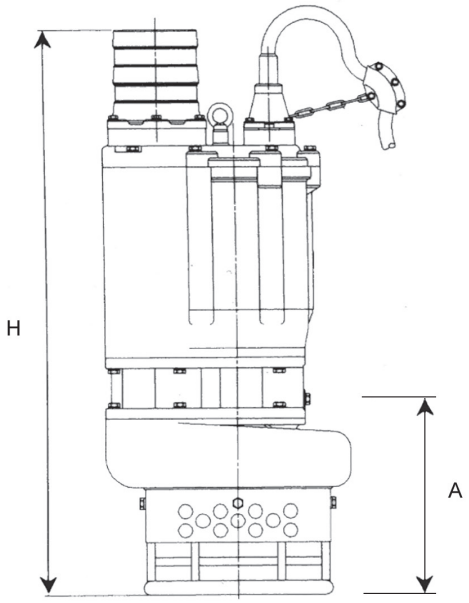
ELECTRICAL DATA						
Model	DT37KZN	DT55KZN-H /DT55KZN	DT75KZN-H /DT55KZN	DT110KZN-H /DT110KZN	DT150KZN-L /DT150KZN	DT220KZN-L /DT220KZN
Supply voltage	380-415V / 50Hz / 3 phase					
Cable length (m)	20m					
Speed (rpm)	1450					
Insulation class	H					
IP rating	IP68					
Starting	DOL					
Input power (P_1) (kW/HP)	4.4/5.9	6.9/9.25	9.75/13.1	14/18.8	17.6/23.6	26.4/35.4
Output power (P_2)	3.7 / 5	5.5/7.5	7.5/10.0	11.0/15.0	15.0/20.0	22.0/30.0
Start Amps	50	63	73	103	134	182
Run Amps	8	11.5	15.7	29.9	36.5	45.5

SUITABLE FLUIDS

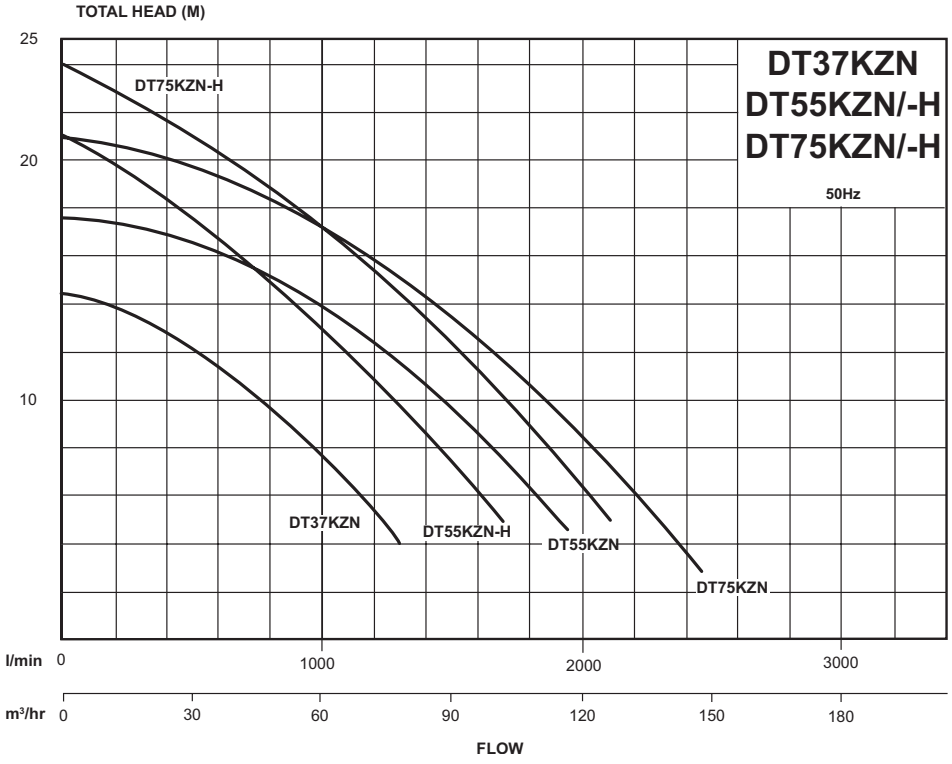
Water containing soft solids and/or hard solids in suspension, up to 70% by weight. Some wear should be expected with hard solid pumping. Not suitable for explosive or flammable materials or fluids.

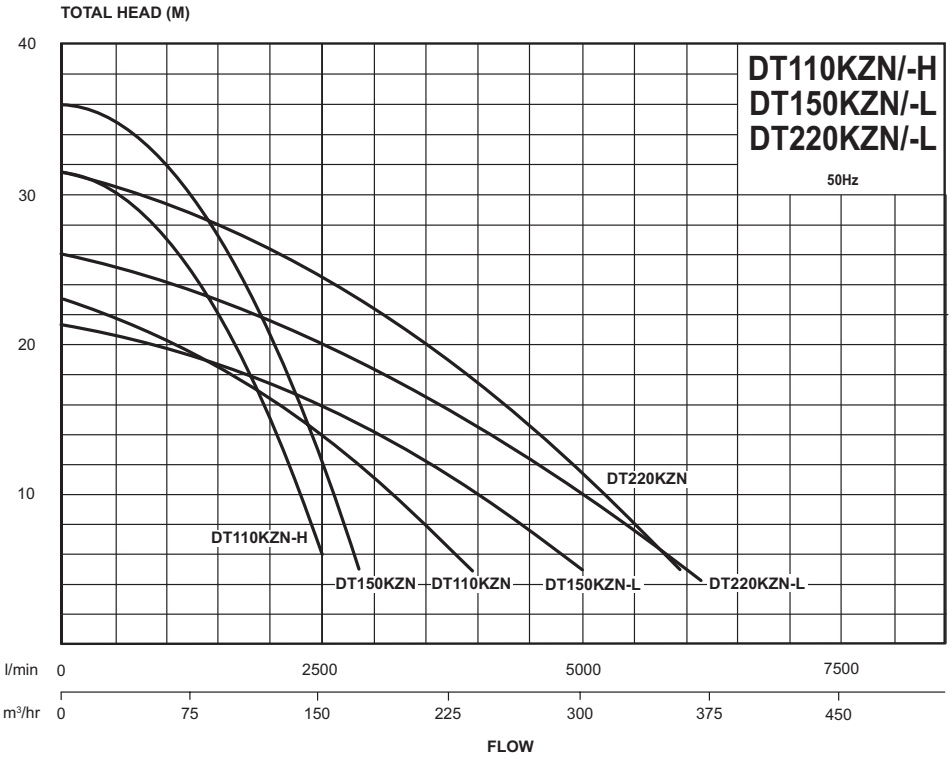
DIMENSIONS (mm)							
Model	"A" Minimum submergence	Discharge Port	Maximum Solids (mm)	Weight (kg)	L (mm)	W (mm)	H (mm)
DT37KZN	285	3"	20	130	420	410	820
DT55KZN-H	293	3"	25	150	420	410	820
DT55KZN		4"	25	150	420	410	820
DT75KZN-H		4"	25	180	420	410	840
DT75KZN		4"	25	180	420	410	840
DT110KZN-H	390	4"	35	245	565	485	1100
DT110KZN		6"	35	245	565	485	1100
DT150KZN	370	6"	35	265	565	485	1100
DT150KZN-L		6"	35	265	565	485	1100
DT220KZN	414	6"	35	410	578	543	1325
DT220KZN-L		6"	35	410	578	543	1325





HYDRAULIC PERFORMANCE





H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.
® Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2025.

DWP0109-7/0625