



EBARA

Looking ahead,
going beyond expectations
Ahead > Beyond

Japanese Technology since 1912

Anti-Clog IE3 Submersible Motor Pumps

Model **DKE3**



www.ebara.com.au

EBARA DKE3

Solving your problems with
Anti-clog technology and High efficiency

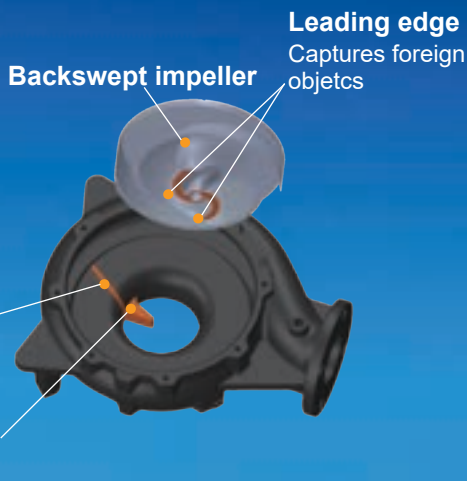


IE3 H CLASS MOTOR
IE3 high efficiency motors deliver significant energy savings.
Class H insulation for enhanced thermal durability.

INVERTER OPERATION
A variable frequency drive (inverter) can be incorporated as an option.

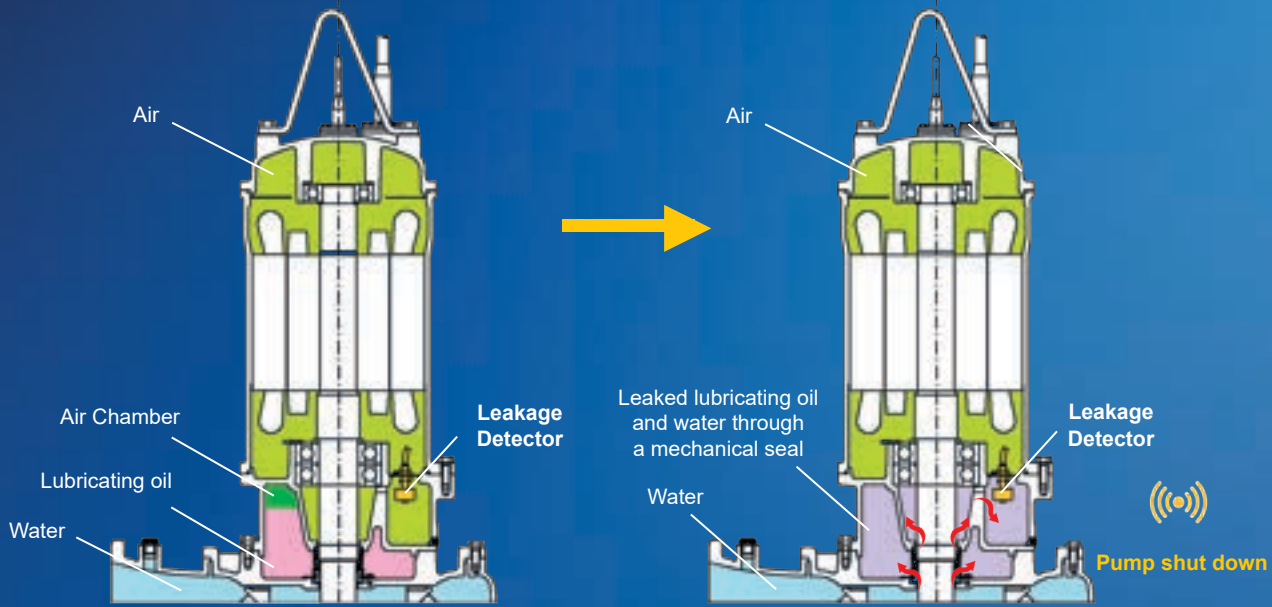
ANTI-CLOG SYSTEM
Featuring advanced anti-clogging hydraulic technology, the premium DKE3 range is designed to maintain performance in demanding wastewater applications, even when handling challenging materials such as:
♦ Nappies ♦ Towels ♦ Non-woven wipes ♦ Rubber glove

LEAKAGE DETECTOR - OPTION-
A built-in float type leakage detector with an encapsulated dry reed switch within the stem is fitted to sense leaking of pumping water and/or seal oil into the motor as a result of failure of the mechanical seal.

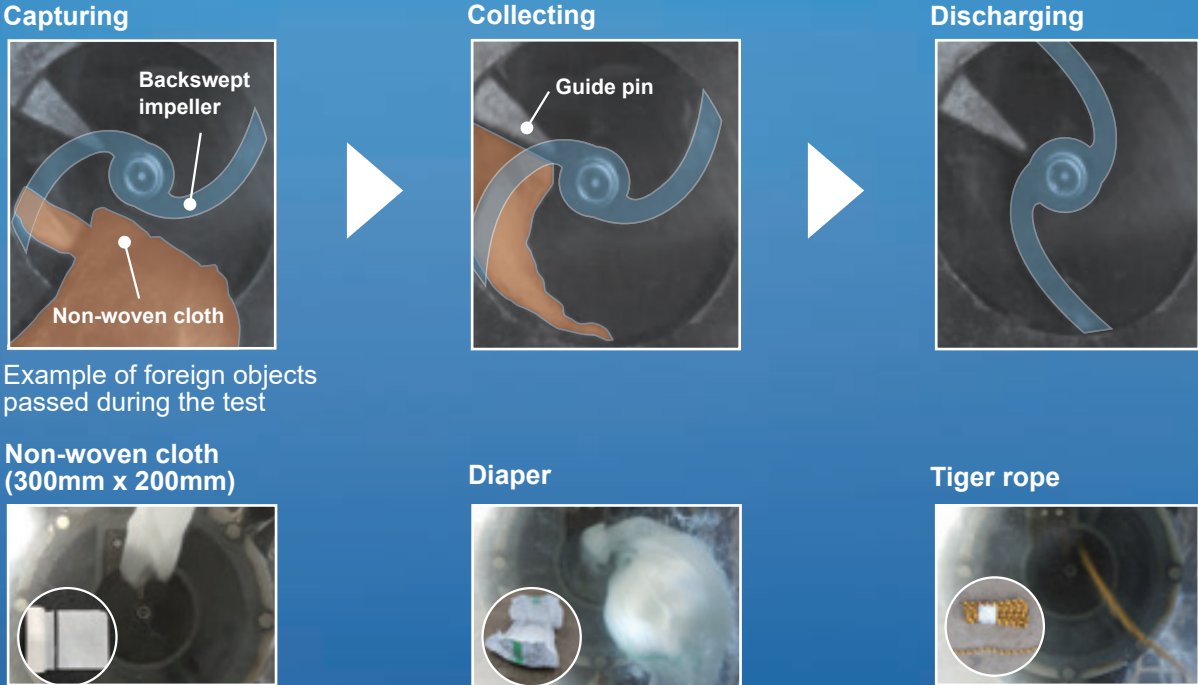


Single-vane backswept impeller
Up to 80 DKE3/3.7 kW

Two-vane backswept impeller
80 DKE3/5.5 kW and above models

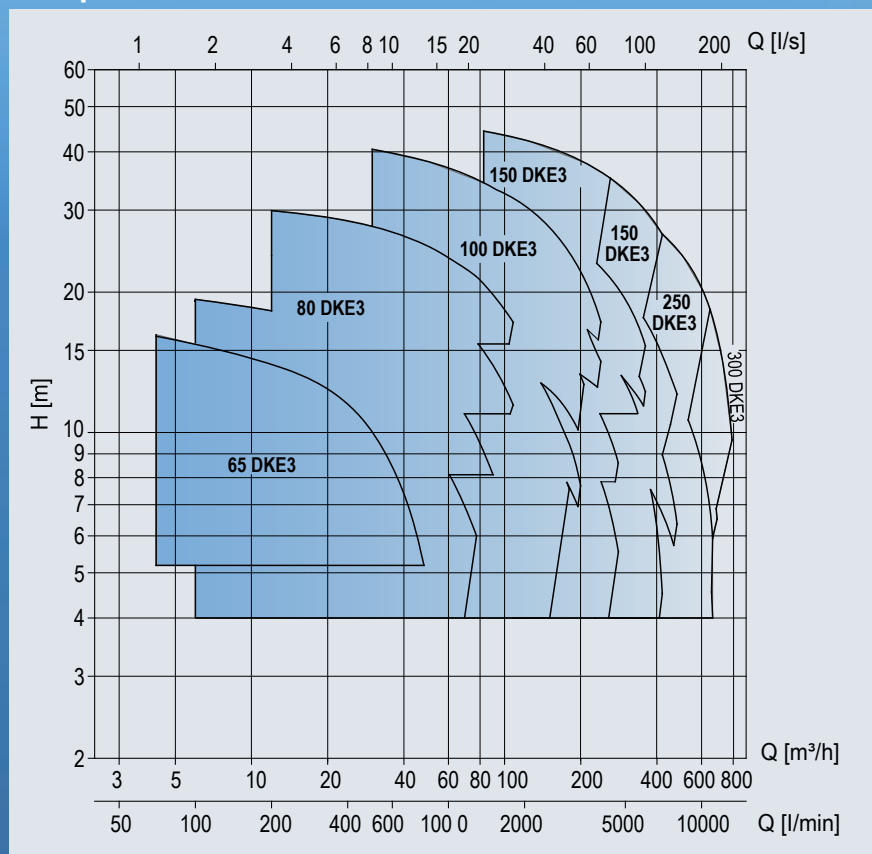


Keep Pumps Running. Reduce Downtime by 98%.



(Testing site: Internal facility Model : 80DKE67.5 Flow rate: 25 l/s)

Pump Selection Chart



Applications

- Wastewater Treatment Plants
- Sewage Pumping Stations
- Lifting Stations
- Industrial Wastewater Transfer
- Sludge Transfer
- Stormwater Drainage

Specifications

Operating range	Flow rate	up to 780 m³/h	
	Total head	up to 44 m	
	Discharge	65 to 300 mm	
	Max. liquid temperature	0 to 40 °C	
	Max. solid diameter	Φ65 : 40 mm Φ80 : 50 mm (5.5 to 7.5 kW : 38 mm) Φ100 : 45 mm (3.7 to 15 kW : 50 mm) Φ150 : 50 mm (22 to 45kW : 78 mm)	Φ200 : 57 mm (18.5 to 22 kW : 80 mm) (30 to 45 kW : 78 mm) Φ250 : 57 mm (30 to 45 kW : 86 mm) Φ300 : 86 mm
	Max. Submergence	8 m	
Materials	Casing	Cast iron	
	Impeller	Cast iron	
	Mechanical Seal	Upper Face : Carbon/Ceramic/NBR Lower Face : SiC/SiC/NBR	
Motor	Type	Air filled dry submersible	
	Motor efficiency	IE3	
	Motor size	1.5 to 45 kW (3 phase)	
	Motor data	380 / 400 / 415 V, 3 phase, 4 Pole (1450 rpm), IP68, Class H insulation, 10 m cable	
	Protection	IE3 Motor : Miniature thermal protector Option : Leakage detector (float type)	
Accessories		Quick Discharge Connector (QDC) Discharge elbow & Pump legs	



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Watch the anti-clogging performance test