

**A
Better
Submersible!**

KISHOR[®]



DRY MOTOR SUBMERSIBLE MIXERS

TYPE - KDX

FOR EFFLUENT MIXING

APPLICATION

The **KISHOR** KDX Mixers are used for agitating, aerating, bringing solids in suspension, mixing, dissolving and such applications for sewage and effluent treatment plants, in agriculture and for industrial waste.

CONSTRUCTION

The KISHOR's well-known Submersible Dry Motor is used in this mixer. The two or three bladed propeller is fixed directly on to the motor shaft and is driven at the motor speed. Large propellers are driven through a special

gearing arrangement which reduces the speed according to the propeller diameter. The bearings and mechanical seals in the motor as well as gear box wherever applicable, are oil immersed and completely protected from surrounding liquid. The mixer is normally free-standing but can be fitted with a special guide rail system for easy removal. The motor housing as well as the propeller are normally in cast iron but special materials like stainless steel can be used wherever necessary. The large propellers are normally made in FRP.



Quality brings us together

MATERIALS OF CONSTRUCTION

MOTOR BODY	-	Cast Iron
PROPELLER	-	Cast Iron
SHAFT	-	Stainless Steel AISI - 410
FASTENERS	-	H. T. Galvanised

NOTE : Other materials on request.

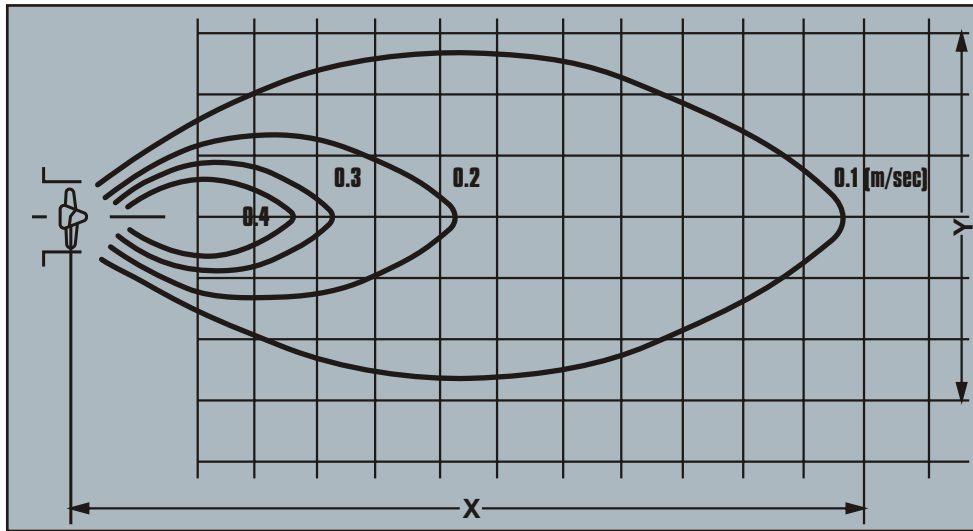
MOTOR SPECIFICATIONS

SUPPLY SYSTEM	-	415 V $\pm 6\%$ / -10% 3ph, 50 Hz (Other voltages on request.)
INSULATION	-	Class - 'F'
PROTECTION	-	IP 68
CABLE (10 m)	-	Copper Conductor PVC Insulated
STARTING METHOD	-	DOL / Star delta

SCOPE OF SUPPLY

DESIGN FEATURES

The velocity pattern created by the mixer is generally as given below. It is a cylindrical pattern and is very effective in keeping solids in suspension over a wide area.



SIZE	MOTOR POWER	SPEED rpm	DISPLACEMENT CAPACITY (m ³ /hr)	X & Y THROW (m)
1/130	0.75 Kw	1450	125	15 x 8
2/170	1.50 Kw	1450	250	25 x 10
5/215	3.75 Kw	1450	450	40 x 12
7.5/300	5.50 Kw	960	850	50 x 12
10/350	7.50 Kw	960	1200	60 x 15
20/420	15.00 Kw	960	2200	80 x 20
30/560	22.50 Kw	960	3200	100 x 20

Due to constant Research & Development, the above information is subject to change without notice. Colours do not signify materials.

Designed & Manufactured by :

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