MECHANICAL MIXERS

Mains supply: Threephase 120/220/60 Hz
Monophase 120/220/60 Hz
Speed: Variable
Power (hp): 1/12; 1/8; 1/4, 1/2, 1

Warranty: 1 year

SPECIFICATIONS

WORKING PRINCIPLE

Mixers are composed of a mechanical part called the head and an hydraulic part called the impeller which is the core of the mixer. The design of the impeller is the key to make the process happen at the most effective cost.

Many types of mixers are available. Some mixers are designed specifically for one special application, while others are more versatile with many options such as variable speed, changeable impellers and shafts, plus a wide range of motor horsepower. This data sheet will clarify some of the designations commonly used when discussing mixers.

APLICATION

Chemical industrial, food processing, agriculture.

ADDITIONAL EQUIPMENT

- Mixing tank
- Intermediate flange ring-V as protection against gas escape

SELECTION FEATURES

Shaft diameter (inch)	
04	1/4 (6.35 mm)
02	1/2 (12.70 mm)
34	3/4 (19.05 mm)
01	1 (25.4 mm)

Shaft type (transversal form)	
C	Circular
H	Hexagonal

Shaft length (inch)	
20	20 (254 mm)
25	25 (635 mm)
35	35 (889 mm)
50	50 (1524 mm)

Shaft rotation speed (rpm)	
03	36
06	60
09	90
12	120
18	180
23	230
VV	Variable

Propeller type	
A	2 Pallets, inclination 45º
B	2 Anchor type paddles
C	3 Flat paddles, inclination 45
D	3 Paddles standard marine type
E	3 Paddles standard marine type with stabilizator
F	4 Paddles, inclination 45º
G	Disk Turbine
H	Spiral strip
I	Grille

Number of propeller on shaft	
1	1
2	2

Propeller diameter (inch)	
6	6 (152.4 mm)
8	8 (203.2 mm)

Electrical Engine Specifications	
1	120/208 V 60 Hz 1 Phase
3	120/208 V 60 Hz 3 Phase

Horsepower	
01	1 HP (0.70 kW)
02	1/2 HP (0.37 kW)
04	1/4 HP (0.19 kW)
08	1/8 HP (0.09 kW)
12	1/12 HP (0.06 kW)

Reducer motor / shaft	
10	1/10
15	1/15
20	1/20
30	1/30
50	1/50

Shaft seal	
A	Open
C	Close

Shaft material	
AI	Stainless steel 316

Impeller material	
AI4	Stainless steel 304
AI6	Stainless steel 316
CG	Rubber coating
CP	Polyethylene coating
CPVC	PVC coating

34	C	20	12	C	2	8	1	02	10	A	AI	AI6