



### Type Lab HSD/Mixer

HSD Series (High Speed Dissolvers)

- HSD – EX (Explosion Proof Motor)
- HSD – S : (Standard, Non Explosion Motor)
- MX – EX : (Explosion Proof Motor)
- MX – S : (Standard, Non Explosion Motor)

## PT. PLATINDO CIPTA RAYA

### MIXER SPECIALIST

FOR :

- » PHARMACY INDUSTRY
- » FOOD INDUSTRY
- » INK, PAINT, CHEMICAL INDUSTRY

HSD Lab Dissolver is a high speed dissolver and MX Lab Mixer are designed for laboratory, small production machine and pilot plant application. The construction is very steady, operates smooth and quite.

The speed can be adjusted according to the scale on the control box. It is very convenience to adjust vertically the position of the dispersing blade ( on the shaft ) by mean of cranking the adjusting hand handle. The unit is equipped with a simple but stable container clamping device.

**USE ONLY PLATINDO STAINLESS STEEL  
CONTAINERS FOR OPTIMUM RESULT IN  
YOUR APPLICATION, WE WILL SELECT THE  
RIGHT SIZE FOR YOU**

### TECHNICAL SPECIFICATION

| MODEL       | POWER<br>(HP) | SPEED<br>(RPM) | DISC<br>DIAMETER<br>( mm ) | LIFTING<br>HIGHT<br>( mm ) | CONTAINER<br>VOLUME<br>( L ) | WEIGHT<br>( Kg ) | Peripheral<br>Speed ( m/s )<br>(STANDARD) | REMARK      |
|-------------|---------------|----------------|----------------------------|----------------------------|------------------------------|------------------|---|-------------|
| LAB-HSD-1/3 | 1/3           | 3000           | 30-40                      | 0,4 L                      | 0,6                          | 64,5             | 0,47                                      | Ready Stock |
| LAB-HSD-1/2 | ½             | 3000           | 40-50                      | 1                          | 1,5                          | 65,5             | 0,62                                      | Ready Stock |
| LAB-HSD-1   | 1.0           | 3000           | 50-60                      | 1,75                       | 2,5                          | 70               | 0,78                                      | Ready Stock |
| LAB-HSD-2   | 2.0           | 3000           | 60-80                      | 3                          | 5                            | 77,2             | 0,94                                      | Ready Stock |
| LAB-MX-1/3  | 1/3           | 1500           | 30                         | 0,6                        | 1                            | 64,5             | 0,23                                      | Ready Stock |
| LAB-MX-1/2  | ½             | 1500           | 40                         | 1,4                        | 2                            | 65,5             | 0,31                                      | Ready Stock |
| LAB-MX-1    | 1.0           | 1500           | 50                         | 2,6                        | 4                            | 70               | 0,39                                      | Ready Stock |
| LAB-MX-2    | 2.0           | 1500           | 60                         | 4,5                        | 7                            | 77,2             | 0,47                                      | Ready Stock |

#### NOTE:

All stipulated data are for reference only, changes may be made without prior notice, for detail information, please contact our office.

**HSD : HIGH SPEED DISSOLVER**

**MX : MIXERS, Use standard 4 pole motor ( 1450 RPM )**

By Changing the speed and the HSD Disc to an impeller, The HSD is converted to a Mixer

**Optional:** \* EXPLOSION PROOF MOTOR  
\* FREQUENCY INVERTER FOR VARIABLE SPEED UP TO 6000 RPM

| Dimension<br>For All Model<br>in mm | A   | B   | C    | L   | W   |
|-------------------------------------|-----|-----|------|-----|-----|
|                                     | 250 | 850 | 1290 | 650 | 545 |
| MODEL                               | DA  | DT  | HD   | HV  | HT  |
| LAB-HSD-1/3                         | 30  | 90  | 15   | 60  | 100 |
| LAB-HSD-1/2                         | 40  | 120 | 20   | 80  | 125 |
| LAB-HSD-1                           | 50  | 150 | 25   | 100 | 150 |
| LAB-HSD-2                           | 60  | 180 | 30   | 120 | 200 |
| LAB-MX-1/3                          | 30  | 90  | 10   | 90  | 150 |
| LAB-MX-1/2                          | 40  | 120 | 13   | 120 | 180 |
| LAB-MX-1                            | 50  | 150 | 16   | 150 | 225 |
| LAB-MX-2                            | 60  | 180 | 20   | 180 | 275 |

