

## HIGH QUALITY AND TIME-PROVEN MECHANICAL AGITATION



### MA-RG

The skid mounted MA-RG agitator is a compact, low profile agitator that reduces headroom requirements and provides more layout space on top of mud tanks. The triple reduction helical-bevel gear drive system reduces the rotational speed of the motor to drive the impeller(s). Up to 95% mechanical efficiency helps reduce horsepower requirements.

### Impellers

Impellers are available with flat blades (radial flow), contour blades (axial flow) and canted blades (radial/axial flow). The impellers are sized according to tank volume and expected duty. Active mud system compartments such as solids removal sections, mud mixing sections, and slug pits which need a higher shear force to produce immediate mixing, are another consideration in impeller sizing.

### Shafts

Several types of shafts are offered. Mild steel shafts are cut to length and joined to the gearbox output shaft with a rigid coupling. Solid shafts are keyed at the bottom for adjustment of impeller height. Hollow pipe shafts are available on select models for use in deep tanks. They are supplied in flanged sections and bolted together making them ideal when lifting height is limited.

Contact your NOV sales representative for selection and size based on tank geometry for optimal mixing and suspension in each compartment.

### Features

- Explosion proof motors & starters (optional)
- Provides optimal mixing
- Triple reduction helical gearbox
- 95% mechanical efficiency

### Benefits

- Can be used in a variety of locations
- Lowers mud cost
- Quiet, efficient, low operational temperature
- Reduced horsepower requirement

## Nominal Specifications and Dimensions

| Model    | hp/kW           | Length  | Width   | Height  | Weight<br>(less the shaft and impeller) |
|----------|-----------------|---|---|---|---|
| MA-5RG   | 5 hp (3.7 kW)   | NEMA: 40 ¼ in (1022 mm)<br>IEC: 41 in (1039 mm)   | NEMA: 17 in (432 mm)<br>IEC: 17 in (432 mm)     | NEMA: 17 ½ in (445 mm)<br>IEC: 18 ¼ in (462 mm) | 394 lb (179 kg)                         |
| MA-7.5RG | 7.5 hp (5.6 kW) | NEMA: 44 ½ in (1128 mm)                           | NEMA: 27 ⅝ in (702 mm)                          | NEMA: 19 ½ in (496 mm)                          | 500 lb (227 kg)                         |
| MA-10RG  | 10 hp (7.5 kW)  | NEMA: 46 ⅜ in (1177 mm)<br>IEC: 46 ⅜ in (1177 mm) | NEMA: 26 in (660 mm)<br>IEC: 26 in (660 mm)     | NEMA: 20 ¼ in (512 mm)<br>IEC: 20 ½ in (521 mm) | 750 lb (340 kg)                         |
| MA-15RG  | 15 hp (11.2 kW) | NEMA: 46 ⅜ in (1177 mm)<br>IEC: 46 ⅜ in (1177 mm) | NEMA: 26 in (660 mm)<br>IEC: 26 in (660 mm)     | NEMA: 20 ¼ in (512 mm)<br>IEC: 20 ½ in (521 mm) | 885 lb (401 kg)                         |
| MA-20RG  | 20 hp (14.9 kW) | NEMA: 59 in (1499 mm)<br>IEC: 65 ¾ in (1670 mm)   | NEMA: 27 ¾ in (704 mm)<br>IEC: 23 in (582 mm)   | NEMA: 26 ⅝ in (663.6 mm)<br>IEC: 30 in (760 mm) | 1300 lb (590 kg)                        |
| MA-25RG  | 25 hp (18.6 kW) | NEMA: 67 ⅞ in (1705 mm)<br>IEC: 72 in (1825 mm)   | NEMA: 33 ¾ in (859 mm)<br>IEC: 33 ¾ in (859 mm) | NEMA: 28 ⅞ in (715 mm)<br>IEC: 31 ¾ in (806 mm) | 2020 lb (916 kg)                        |
| MA-30RG  | 30 hp (22.4 kW) | NEMA: 67 ⅞ in (1705 mm)<br>IEC: 72 in (1825 mm)   | NEMA: 34 ¼ in (871 mm)<br>IEC: 30 ¾ in (781 mm) | NEMA: 29 in (735 mm)<br>IEC: 31 ¾ in (806 mm)   | 2022 lb (917 kg)                        |
| MA-40RG  | 40 hp (30 kW)   | NEMA: 72 ½ in (1842 mm)<br>IEC: 71 in (1800 mm)   | NEMA: 40 in (1016 mm)<br>IEC: 35 ½ in (902 mm)  | NEMA: 29 ½ in (752 mm)<br>IEC: 32 ¼ in (818 mm) | 2350 lb (1066 kg)                       |