

HIGH QUALITY AND TIME-PROVEN MECHANICAL AGITATION

VMA-I

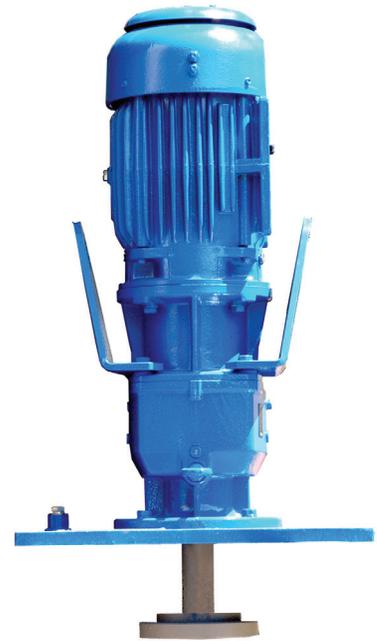
The VMA-I series vertically plate mounted agitator shares the same design principles as the legacy VMA series. The VMA-I features a C-face motor that minimizes maintenance and maximizes reliability. The helical gearbox is equipped with a strong output shaft bearing rather than the drop bearing configuration.

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.

Nominal Specifications and Dimensions

Model	hp/kW	Length	Width	Height	Weight (less the shaft and impeller)
VMAI-3	3 hp (2.2 kW)	NEMA: 20 in (508 mm)	NEMA: 20 in (508 mm)	NEMA: 31 9/16 in (802 mm)	331 lb (150 kg)
VMAI-5	5 hp (3.7 kW)	NEMA: 20 in (508 mm) IEC: 20 in (508 mm)	NEMA: 20 in (508 mm) IEC: 20 in (508 mm)	NEMA: 42 in (1072 mm) IEC: 34 in (864 mm)	396 lb (180 kg)
VMAI-7.5	7.5 hp (5.6 kW)	NEMA: 20 in (508 mm) IEC: 22 in (559 mm)	NEMA: 20 in (508 mm) IEC: 22 in (559 mm)	NEMA: 38 3/4 in (984 mm) IEC: 41 1/2 in (1059 mm)	548 lb (249 kg)
VMAI-10	10 hp (7.5 kW)	NEMA: 22 in (559 mm) IEC: 22 in (559 mm)	NEMA: 22 in (559 mm) IEC: 22 in (559 mm)	NEMA: 39 in (991 mm) IEC: 41 1/2 in (1059 mm)	620 lb (281 kg)
VMAI-15	15 hp (11.2 kW)	NEMA: 22 in (559 mm) IEC: 22 in (559 mm)	NEMA: 22 in (559 mm) IEC: 22 in (559 mm)	NEMA: 47 5/8 in (1210 mm) IEC: 48 5/8 in (1222 mm)	886 lb (402 kg)
VMAI-20	20 hp (14.9 kW)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 54 3/8 in (1381 mm) IEC: 54 1/2 in (1375 mm)	1164 lb (528 kg)
VMAI-25	25 hp (18.6 kW)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 59 1/4 in (1505 mm) IEC: 61 1/4 in (1558 mm)	1638 lb (743 kg)
VMAI-30	30 hp (22.4 kW)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 26 in (660 mm) IEC: 26 in (660 mm)	NEMA: 59 1/4 in (1505 mm) IEC: 61 1/4 in (1558 mm)	1656 lb (751 kg)
VMAI-40	40 hp (30 kW)	NEMA: 34 in (864 mm) IEC: 34 in (864 mm)	NEMA: 31 3/4 in (806 mm) IEC: 30 1/2 in (777 mm)	NEMA: 63 1/4 in (1607 mm) IEC: 64 in (1626 mm)	2513 lb (1140 kg)

Features

- Explosion proof C-face motors & starters (optional)
- Provides optimal mixing
- Small footprint
- Helical drive train gearbox
- Double/Triple reduction helical gearbox

Benefits

- Can be used in a variety of locations
- Lowers mud cost
- Small footprint
- Quiet, efficient, low operational temperature
- Smooth, vibration free operation