

APPLICATION

Certain mixing applications require a coupling box to ensure a seal against fluids or corrosive vapours, or for mounting on large agitators. Coupling boxes maintain the axial alignment of the through-tank unit. They can include roller bearings, lubricators and rotation sensors. The seal is provided either by a stuffing box or a mechanical seal, or by both simultaneously.

Our ML range of coupling box agitators is available in a choice of diameters. We supply with three-phase 50 Hertz tropicalized motors as standard. The standard impeller shaft is made from 316L stainless steel. The ML range has a single-piece or three-piece impeller, and is available with multiple options.

OPTIONS

- Specific voltages
- 60 Hz
- Atex motor
- Sealed or unsealed
- With or without bearings
- Sensors
- Lubricators
- Variable frequency drive
- Rain cover
- High-specification materials (Uranus 52N, Uranus B6, coating, etc)
- End bearing
- Other options are available according to requirements. Contact us for information.

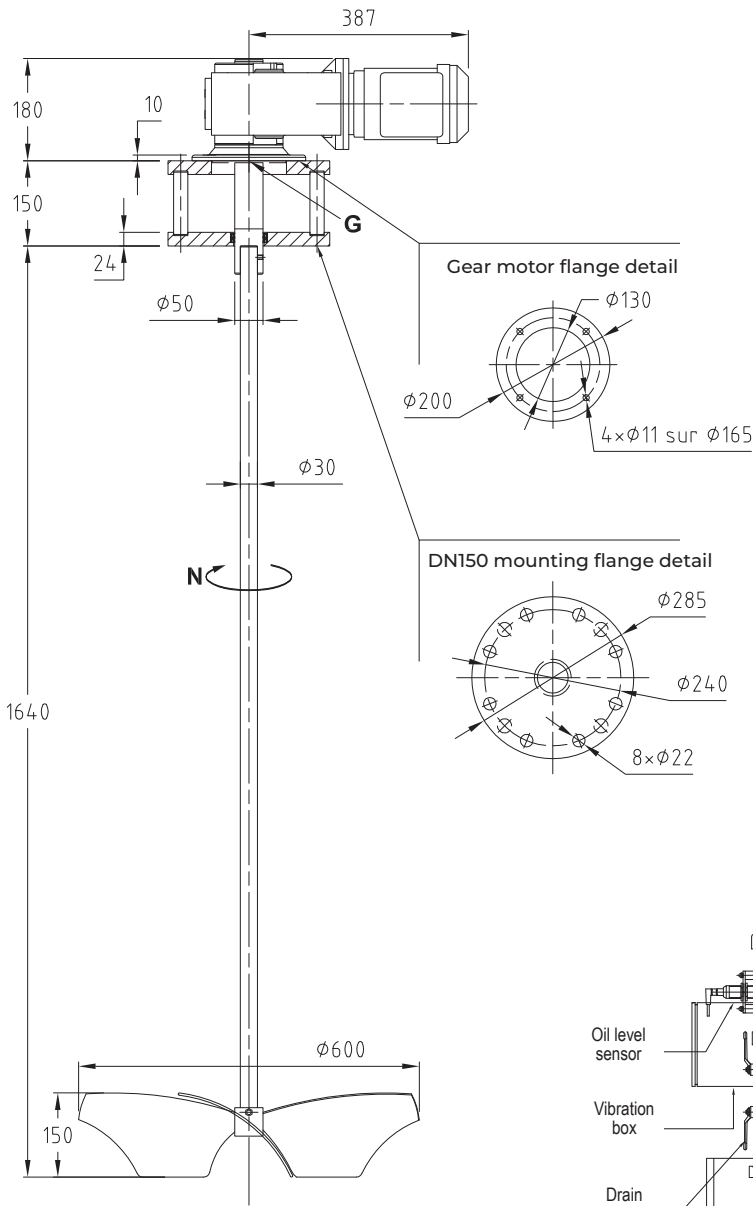
SUMMARY

- All types of mixing operation
- Practical solution for steady axial alignment on large agitators
- Agitator with top-entry coupling box
- Can be fitted with a seal
- Standard 230/400 V - Three-phase 50 Hz Tropicalized
- Multiple options available



TECHNICAL DATA

> Drawing for illustration purposes



Designation example M3L 85 0602-1644U1

M3 type agitator with coupling box
 Speed of rotation
 ϕ 600 mm impeller
 Type 2 gear motor
 Shaft length = 1640 mm
 Supplier U1
 Shaft/turbine material
 Material code:
 2 = s/steel 304L
 4 = s/steel 316L

