

## ACUMIX Features

... **Simplistic/Ergonomic**

**Economically designed for rugged/durable operation**

**12+1 REASONS**

... **Make it ACUMIX**

**Housings** - Heavy gage high strength cast iron. Designed for long-life, durable duty, superior corrosion resistance, and dimensional stability.

**Drywell** - This is not a common gear motor design, applied to mixer service, where a lower seal failure could result in process contamination due to oil leakage. A no-leak dry well isolates the oil bath from the output shaft, ensuring that the bearings & gears are immersed and never run dry. A large oil capacity keeps the unit cooler to enhance longevity.

**Gears** - High strength double helical gear reductions to AGMA's quality standards designed for high efficiency, durability and high load capability.

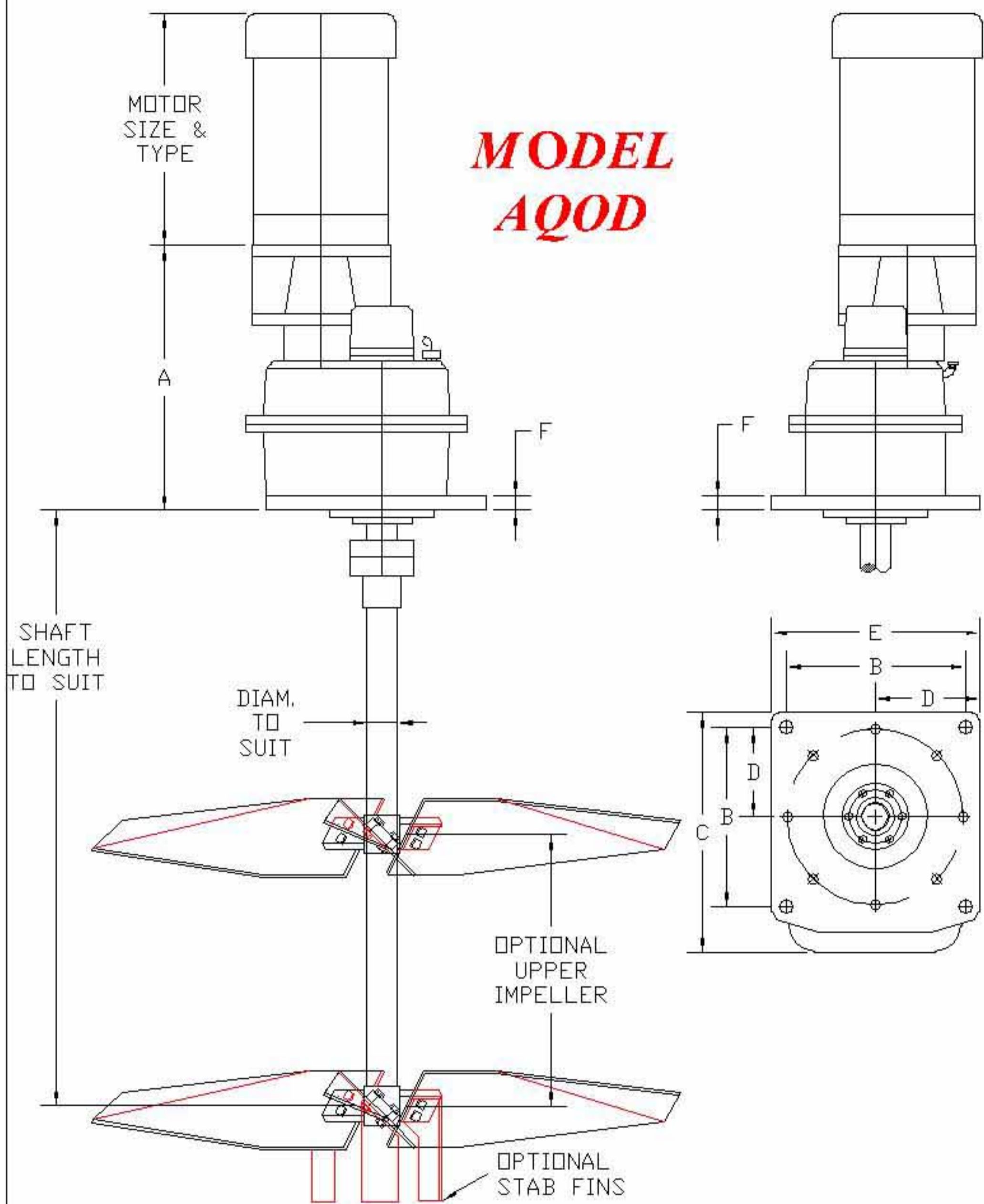
**Flexible Motor Coupling** - Eliminates potential unbalanced forces between motor & gearbox. Isolates/reduces shock loads to motor & gearbox.

**C-Face Motor Adapter** - Fully registered adapter ensures fast/positive alignment. Motor gearbox interface is totally enclosed eliminating the need for OSHA type guard.

**Motors** - Standard NEMA C-Face motors ensure immediate replacement capability, if need be. ACUMIX's AC motors are high quality energy savings, chemical-duty with either 115/208-230 Volt single phase, or 208-230/460 Volt, 3 Phase, 60 Hertz, TEFC with a 1.15 service factor or TEFC/XP. Variable speed, international, explosion proof, DC, air, and odd voltage motors are available upon request.

**Bearings** - Low-speed bearings are purgable & regreasable to achieve longer life. A high capacity lower bearing design, handling both high moment and thrust loads, isolates the impeller loads from the gearing.

**Sealing** - Shielded and grease purged upper seals ensures a grease barrier that traps water, dirt and abrasive contaminants away from internal components.



CASE SIZE	A	B	C	D	E	F	*BASIC WEIGHT
1	15.87-18.48	12.00	16.07	6.00	14.00	1.00	250
2	17.49-20.11	14.00	19.00	7.00	16.00	1.00	427
3	19.65-22.06	16.00	21.25	8.00	18.26	1.00	530

\* GEARBOX WEIGHT W/COUPLING, DOES NOT INCLUDE MOTOR, SHAFT, OR IMPELLER

**Shafts** - Centerless ground, to mixers exacting standards.

**Impellers** - Designed to suit your application. Numerous axial & radial flow designs are available including high-efficiency hydrofoils & pitched blade turbines. Impeller hubs either removable (keyed) or fixed (welded onto shaft).

**Protective Finish** - Durable coating protects against salt spray, acids & caustic environments. Resistant to wear and abrasion ... **ACUMIX RED.**

**Wetted Parts** - Standard stock is 316L {low carbon} (316 hardware) stainless steel. High alloy & corrosion resistant coatings are also available.

**Rigid Coupling Shaft Design** - This method of attachment features exacting tolerances, achieving precision in alignment. The gearbox output shaft is easy to connect/disconnect from agitator shaft. Flanged agitator coupling half is a useful feature for suspending the shaft during assembly/disassembly.