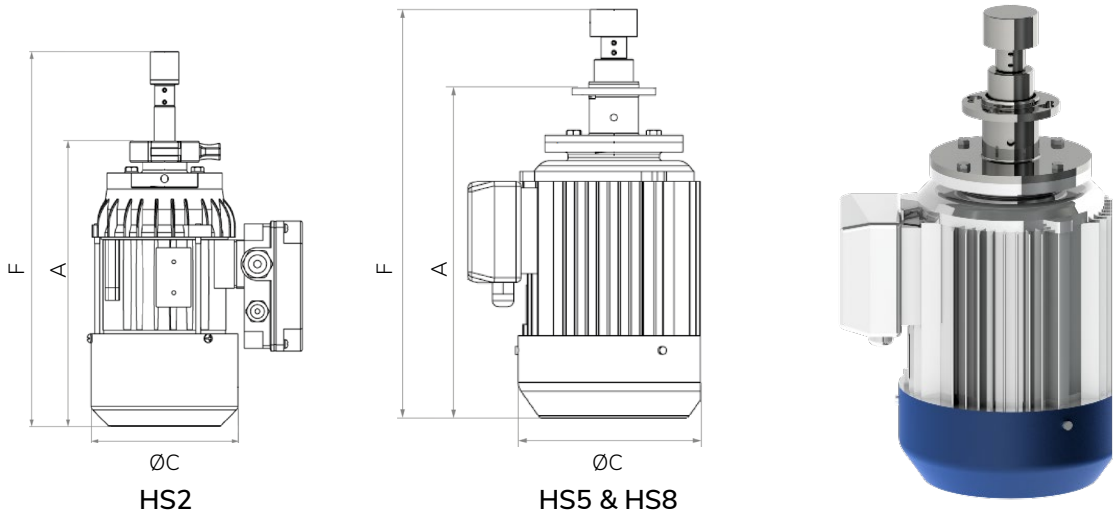


High Shear

Drive Unit

The High Shear mixer offer a rotor/stator aseptic magnetic mixer for critical fine emulsions and dispersions. It is ideal for emulsification applications, difficult to dissolve solids and particle downsizing.

Emulsification
and High Shear
Applications



Measurements

Mixer model	Article number	A mm (in)	ØC mm (in)	F mm (in)	Weight kg (lb)
HS2	HS51502-F03491	250 (9.82)	134 (5.28)	341 (13.43)	8 (17.20)
HS5	HS52502-F02111	336 (13.23)	194 (7.64)	417 (16.42)	24 (52.50)
HS8	HS53502-F03614	507 (19.96)	280 (11.02)	627 (16.81)	74 (163.80)

General Motor Data

Mixer model	HS2	HS5	HS8
Motor	0.37 kW / 0.5 hp @ 50 Hz 0.43 kW / 0.6 hp @ 60 Hz	2.2 kW / 2.95 hp @ 50 Hz 2.5 kW / 3.35 hp @ 60 Hz	7.5 kW / 10.06 hp @ 50 Hz 8.6 kW / 11.50 hp @ 60 Hz
Voltage	Δ230 / Y400 VAC @ 50Hz Y460 VAC @ 60Hz (±5%)	Δ230 / Y400 VAC @ 50Hz Y460 VAC @ 60Hz (±5%)	Δ400 / Y690 VAC @ 50 Hz Δ460 VAC @ 60 Hz (±5%)
Current	1.65 A @ 230 V / 50 Hz 0.95 A @ 400 V / 50 Hz 0.95 A @ 460 V / 60 Hz	7.5 A @ 230V / 50 Hz 4.3 A @ 400V / 50 Hz 4.1 A @ 460V / 60 Hz	13.3 A @ 400 V / 50 Hz 7.7 A @ 690 V / 50 Hz 13.2 A @ 460 V / 60 Hz
Efficiency Performance Class	IE3		
Thermal Protection	PTC thermistors		
Certified for Incorporation	CE & cULus		
Protection class	IP55		
Environment temperature	0°C - 40°C (32°F - 104°F)		
Max RPM	3900 rpm (@ 65 Hz) (based on nominal motor data)	3500 rpm (@ 60 Hz) (based on nominal motor data)	

General Motor Data (continued)

Paint	In compliance with FDA
Packing and Marking	Items are individually packed and for traceability purposes marked with item number.
Quality Assurance	Metenova Quality Assurance system ensures the quality and traceability at all stages of the process

Option: RPM Sensor, Shaft

Article Number	ZG00014-03193
Type	Inductive RPM Sensor, Shaft
Pulses/Turn	4
Output function	4-wire, contacts PNP
Indicator	Yellow LED
Temperature range	-25°C - 70°C (-13°F - 158°F)
Operation voltage	10.30 VDC
Protection class	IP67



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