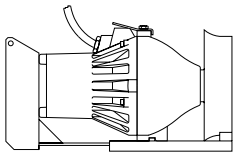
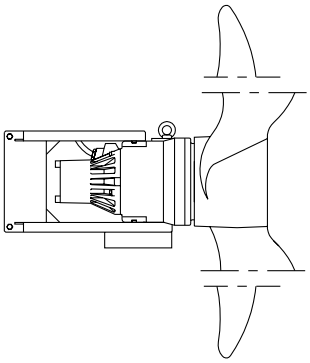
MIXERS • 50 HZ

4400



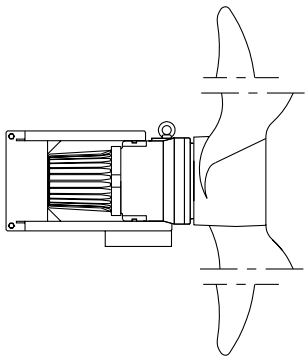
Motor		
Single phase	Max. power, input:	1.8 kW
	Rated power, output:	1.3 kW
	Speed:	1440 RPM
3-phase	Max. power, input:	1.3 kW
	Rated power, output:	0.9 kW
	Speed:	930* RPM
3-phase	Max. power, input:	1.8 kW
	Rated power, output:	1.3 kW
	Speed:	1385* RPM
3-phase	Max. power, input:	3.1 kW
	Rated power, output:	2.3 kW
	Speed:	1375* RPM
WEIGHT:	43 kg	

4410



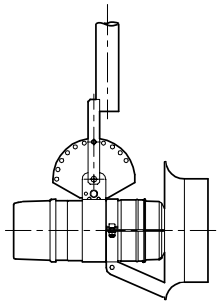
Motor		
3-phase	Max. power, input:	1.3 kW
	Rated power, output:	0.9 kW
	Speed:	930* RPM
3-phase	Max. power, input:	3.1 kW
	Rated power, output:	2.3 kW
	Speed:	1375* RPM
WEIGHT:	250 kg	
MIXER SPEED:	17-40 RPM	

4430



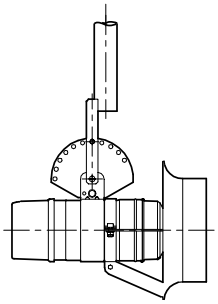
Motor		
3-phase	Max. power, input:	5.0 kW
	Rated power, output:	4.0 kW
	Speed:	1405* RPM
3-phase	Max. power, input:	5.4 kW
	Rated power, output:	4.4 kW
	Speed:	2875* RPM
WEIGHT:	280 kg	
MIXER SPEED:	32-54 RPM	

4610



Motor		
3-phase	Max. power, input:	1.0 kW
	Rated power, output:	0.75 kW
	Speed:	1385* RPM
WEIGHT:	16.2 kg	

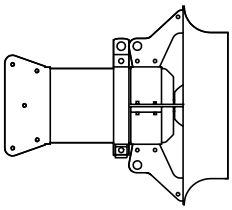
4620



Motor		
3-phase	Max. power, input:	2.2 kW
	Rated power, output:	1.5 kW
	Speed:	1350* RPM
WEIGHT:	17.5 kg	

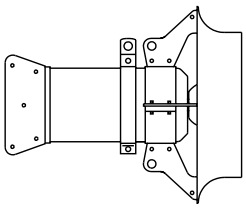
* 400 V

4630



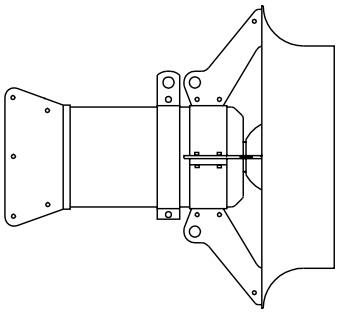
Motor		
3-phase	Max. power, input: Rated power, output: Speed:	2.1 kW 1.5 kW 705* RPM
WEIGHT:	60 kg (incl. jetring)	

4640



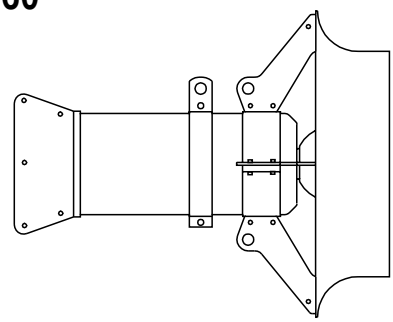
Motor		
3-phase	Max. power, input: Rated power, output: Speed:	3.4 kW 2.5 kW 705* RPM
WEIGHT:	70 kg (incl. jetring)	

4650



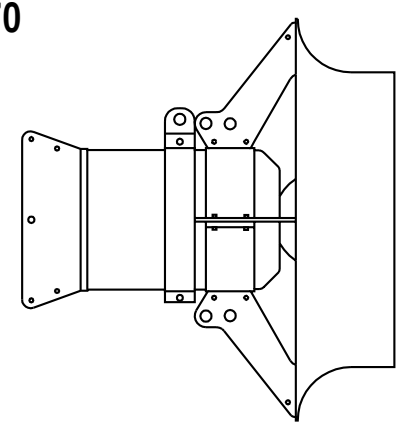
Motor		
3-phase	Max. power, input: Rated power, output: Speed:	6.9 kW 5.0 kW 480* RPM
WEIGHT:	175 kg (incl. jetring)	

4660



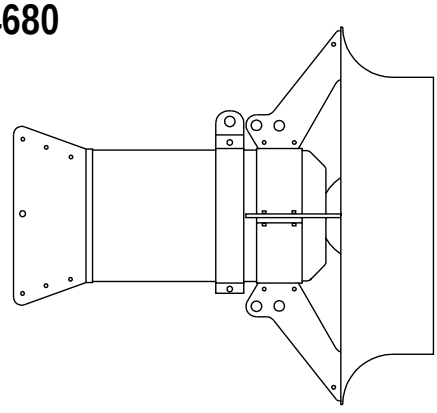
Motor		
3-phase	Max. power, input: Rated power, output: Speed:	13.4 kW 10.0 kW 475* RPM
WEIGHT:	220 kg (incl. jetring)	

4670



Motor		
3-phase	Max. power, input: Rated power, output: Speed:	17.1 kW 13.0 kW 360* RPM
WEIGHT:	350 kg (incl. jetring)	

4680



Motor		
3-phase	Max. power, input: Rated power, output: Speed:	32 kW 25 kW 360* RPM
WEIGHT:	470 kg (incl. jetring)	

* 400 V

Submersible mixers (overview of selection)
Mixing Range Chart

	4400	4410/ 4430	4610	4620	4630	4640	4650	4660	4670	4680
Aeration basins	✕	■	▲	✕	✕	✕	●	■	■	★
Dinitrification tanks	✕	■	▲	✕	✕	✕	●	■	■	★
Floculation	❍	■	❍	❍	❍	❍	❍	❍	❍	❍
Digesters	❍	❍	❍	✕	✕	●	●	■	■	★
Sludge homogenizing 5 %	❑	❍	❍	▲	▲	✕	●	●	■	★
Neutralization	●	★	✕	●	●	■	■	★	★	★
Stormwater retention basins	✕	❍	▲	✕	✕	✕	●	■	★	★
Liquid manure	▲	❍	❍	✕	✕	●	●	■	■	★
Biological processes	▲	❍	❍	▲	✕	✕	●	■	■	★
Paper pulp 3-4 %	❑	❍	❍	❑	❑	❑	❑	▲	▲	✕
Lime slurry 40 %	❑	❍	❍	❑	❑	❑	▲	✕	●	■
Other mineral slurries 40 %	❑	❍	❍	❑	❑	❑	▲	✕	●	■
Cooling basins	❑	❍	❑	❑	❑	▲	✕	✕	●	■
Blending (0.5 h, visc. <500 cp)	✕	■	✕	✕	✕	●	■	★	★	★
Blending (0.5 h, visc. >500 cp)	✕	●	▲	✕	✕	✕	●	●	●	■
Ice prevention	✳	✳	✳	✳	✳	✳	✳	✳	✳	✳
Spray painting plants	▲	❍	❑	▲	▲	✕	✕	●	❍	❍
Emptying of lagoons	✳✳	✳✳	✳✳	✳✳	✳✳	✳✳	✳✳	✳✳	✳✳	✳✳
Destratification & prevention of crust buildup	★	★	■	★	★	★	★	★	★	★

Volume ranges:

Volumes are indicated for one single mixer unit. Volumes for applications not listed will depend on: tank configuration, variations in liquid consistency, proper positioning of the mixer(s) and on unusual local conditions.

❍ Normally not applicable
❑ 0- 30 m^3
▲ 20- 100 m^3
✕ 60- 300 m^3
● 200-1000 m^3
■ 600-3000 m^3
★ 2000- m^3

✳ Open water surface area, ranging from 0 to 5000 m^2 depending on mixer and conditions.

✳✳ **Partial (localized) mixing.**
Sizing dependent on slurry quality and pumping capacity.

Materials of construction

ITT Flygt offers a wide range of suitable materials of construction. In addition to the standard models in high quality, pressure-resistant cast iron, models are available also in acid- and corrosion-resistant stainless steel. Modular design allows the selective assembly of parts in various material combinations.

Note:

The above values are recommended only, based on empirical data. For detailed information contact your nearest FLYGT Sales Office. A mixer application specialist will analyze your data and, using the latest in computer software technology, will provide exact specifications, selection and layout most suitable and most economical for your particular application.