

# BRAUDE

## chemical transfer pump



- self priming chamber incorporated in design
- polymer construction lightweight & robust
- operating temperatures up to 100°C
- corrosion & stain resistant
- high flow rate delivered at high head
- leak-proof union connections
- flow rates up to 35m<sup>3</sup>/Hr
- high efficiency closed impeller
- choice of mechanical seals to suit application
- easy maintenance
- twelve month warranty

## Self priming chemical transfer pump

**Suitable for highly corrosive solutions, such as hydrochloric, hydrofluoric, nitric, sulphuric and other corrosive chemicals. Constructed from high integrity polymers which have high chemical and impact resistance.**

With a choice of mechanical seals and electric motor sizes, in triple or single phase, the Braude chemical service pump range offer operating heads of up to 17m and suction lift up to 3-5m.

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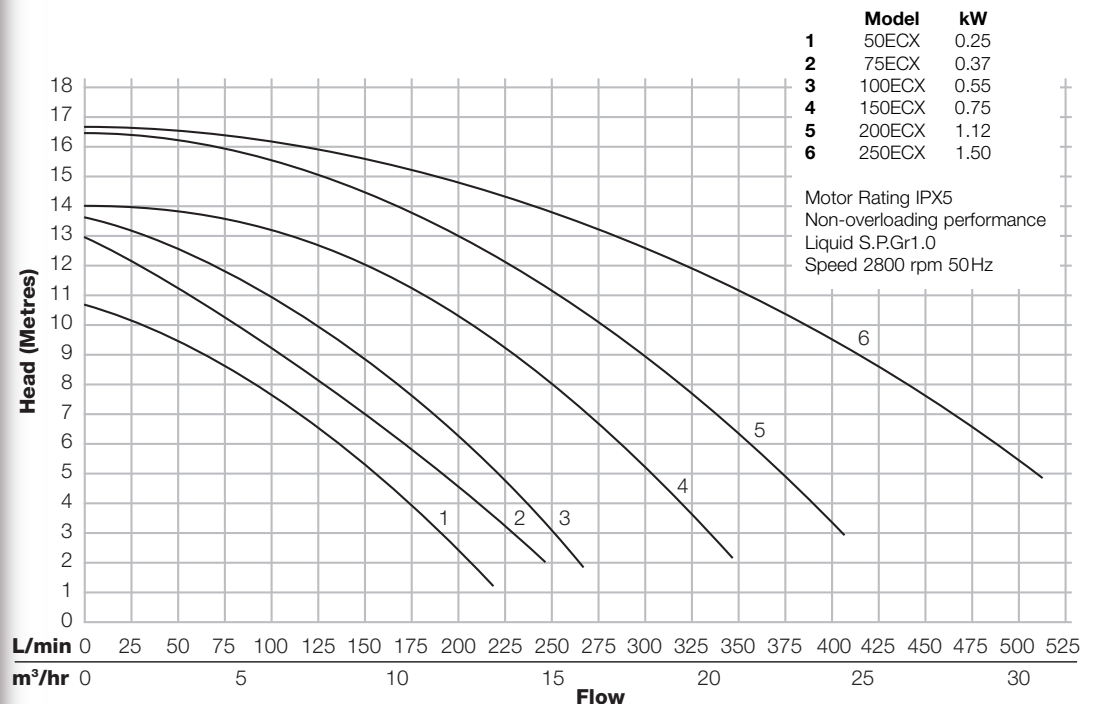
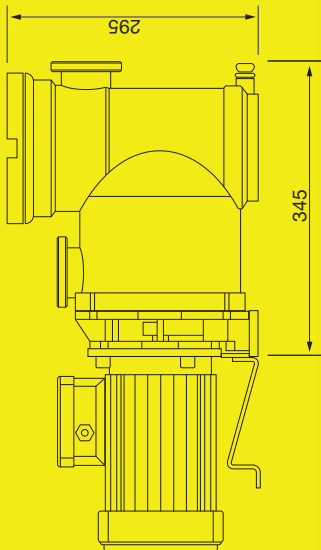
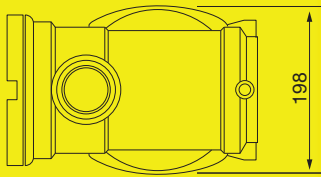
## Self Priming Chemical Service Pump

**Operating heads up to 17m and suction lift up to 3.5m. A choice of three mechanical seals is available: Hastelloy C for general service, stainless steel for less arduous applications or non metallic seals for severe duties.**

Available in six electric motor sizes from 0.25kW to 1.5kW (0.33HP to 2HP), either single or three phase. Motors are rated to IPX5.

### General & Performance Data

| Model Number          | J50ECX  | J75ECX                 | J100ECX                | J150ECX                 | J200ECX                 | J250ECX                 |
|-----------------------|---|------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| hp/kW at full load    | 0.33/0.25                                       | 0.5/0.37               | 0.75/0.55              | 1/0.75                  | 1.5/1.12                | 2/1.5                   |
| Connections           | all models: 2 x 63mm Union (23/4" BSP Threaded) |                        |                        |                         |                         |                         |
| Min system pipe size  | all models: 63mm outer Ø, 50mm inner Ø          |                        |                        |                         |                         |                         |
| Max head              | 10.8m   | 13.0m                  | 13.6m                  | 14.0m                   | 16.6m                   | 16.8m                   |
| Flow rate at 10m head | 1.8 m <sup>3</sup> /hr                          | 5.1 m <sup>3</sup> /hr | 7.5 m <sup>3</sup> /hr | 12.6 m <sup>3</sup> /hr | 16.8 m <sup>3</sup> /hr | 23.2 m <sup>3</sup> /hr |
| Total dynamic head    | 12.5m   | 15.9m                  | 17.25m                 | 18.25m                  | 19.8m                   | 19.8m                   |
| Max suction lift      | 2.9m  | 2.6m                   | 3m                     | 2.7m                    | 3.5m                    | 3.5m                    |
| Rated current...      |   |                        |                        |                         |                         |                         |
| at 230 volts          | 2.3A  | 2.7A                   | 3.2A                   | 3.5A                    | 5.7A                    | 7.5A                    |
| at 400 volts          | 0.8A  | 1A                     | 1.1A                   | 1.8A                    | 2.4A                    | 3.4A                    |
| Max operating temp    | 100°C   | 100°C                  | 100°C                  | 100°C                   | 100°C                   | 100°C                   |
| Min motor speed       | 2800 rpm  | 2800 rpm               | 2800 rpm               | 2800 rpm                | 2800 rpm                | 2800 rpm                |
| Weight...             |   |                        |                        |                         |                         |                         |
| single phase          | 10.7kg  | 10.8kg                 | 13.55kg                | 15kg                    | 16.5kg                  | 20kg                    |
| three phase           | 10.2kg  | 10.25kg                | 12.5kg                 | 14kg                    | 15kg                    | 19kg                    |
| Dimensions...         |   |                        |                        |                         |                         |                         |
| Length (single phase) | 548mm   | 548mm                  | 548mm                  | 578mm                   | 578mm                   | 578mm                   |
| Length (three phase)  | 548mm   | 548mm                  | 545mm                  | 574mm                   | 575mm                   | 582mm                   |
| Width                 | all models: 198mm                               |                        |                        |                         |                         |                         |
| Height                | all models: 295mm                               |                        |                        |                         |                         |                         |



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