

# Horizontal End-Suction Pumps

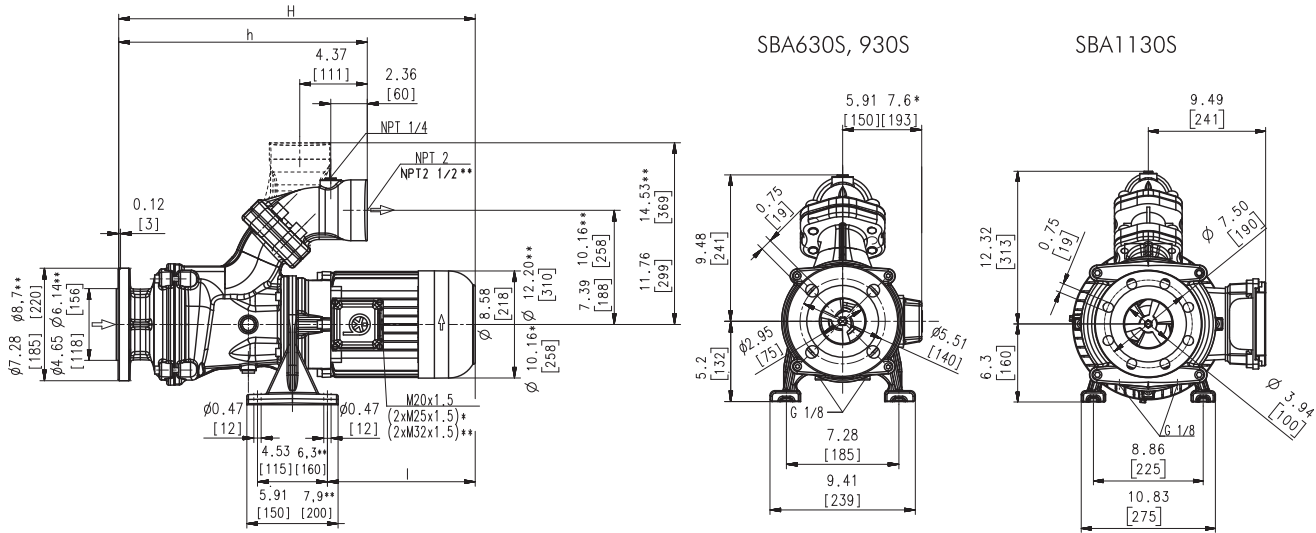
## SBA630S...1130S

Axial/semi-open impellers



60 Hz

### SBA630S...1130S



Dimensions in Inches / mm

\*) Dimensions SBA930S

\*\*) Dimensions SBA1130S

| Type            | Flow at head          | Dimensions |      |        |      | Length |      | Weight |     | Power    | Voltage  | Fre-         | Current | Speed |
|-----------------|-----------------------|------------|------|--------|------|--------|------|--------|-----|----------|----------|--------------|---------|-------|
|                 | GPM /Feet<br>l/min /m | H inch     | H mm | h inch | h mm | l Inch | l mm | Lbs    | kg  | HP<br>kW | 3 ~<br>V | quency<br>Hz | AMPS    | RPM   |
| <b>SBA630S</b>  | 200/60                | 27.6       | 701  | 16.1   | 408  | 14.1   | 358  | 145.5  | 66  | 7.7      | 230      | 60           | 19.0    | 3520  |
|                 | 800/16                |            |      |        |      |        |      |        |     | 5.75     | 460      | 60           | 9.5     | 3520  |
| <b>SBA930S</b>  | 250/65                | 29.4       | 746  | 16.2   | 412  | 15.7   | 399  | 158.8  | 72  | 10       | 230      | 60           | 23.0    | 3545  |
|                 | 1000/18               |            |      |        |      |        |      |        |     | 7.48     | 460      | 60           | 11.5    | 3545  |
| <b>SBA1130S</b> | 450/75                | 31.6       | 802  | 19.5   | 495  | 16.6   | 422  | 291    | 132 | 16.9     | 230      | 60           | 39.2    | 3560  |
|                 | 1700/24               |            |      |        |      |        |      |        |     | 12.6     | 460      | 60           | 19.6    | 3560  |



**Horizontal End-Suction Pumps**

are centrifugal inline pumps with a compact design where the impeller is mounted onto the extended motor shaft. These pumps are not self-priming and must be gravity fed. All pumps are equipped with a single mechanical seal. Upon request a second mechanical seal is available to allow for dry-running (-GD). This pump series is designed for horizontal installations next to a tank and for pumping **air entrained coolant** fluids, such as **water-soluble coolants or cutting oils**, as they occur in **high speed turning, milling or grinding applications**. The SBA pumps are equipped with the user-friendly 45 degree **flange** connection which allows for either vertical or horizontal pipe connection and the connection of a pressure gauge with NPT 1/4. For more information see mechanical features within the technical information section.

**Applications**

- Types of fluid
  - coolants
  - cooling/cutting oils
- Kinematic viscosity
  - ...200 SSU (...45 mm<sup>2</sup>/s)
- Pumping temperature
  - 30...175 °F (0...80 °C)

**Construction**

|  |            |
|--|------------|
| Pump body                                  | cast iron  |
| Cover                                      | cast iron  |
| Impeller axial                             | cast steel |
| Impeller radial                            | cast steel |
| Shaft                                      | steel      |
| Mechanical seal                            | SiC        |
| Noise level (Motor only; Tolerance +3 dBA) |            |
| SBA630S                                    | 73 dBA     |
| SBA930S                                    | 75 dBA     |
| SBA1130S                                   | 80 dBA     |
| Optional: Low noise version (-3 to -5 dBA) |            |

