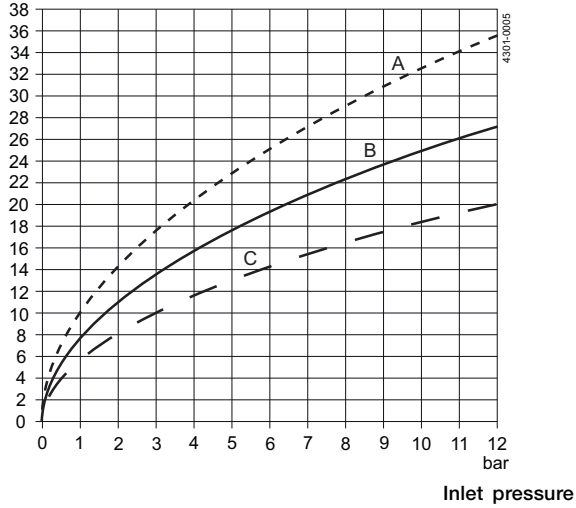


**Flow rate**

Relationship between inlet pressure and flow rate for liquids with waterlike properties for the IM 15 Rotary Jet Mixer.

**Volumetric flow rate [m<sup>3</sup>/h]**

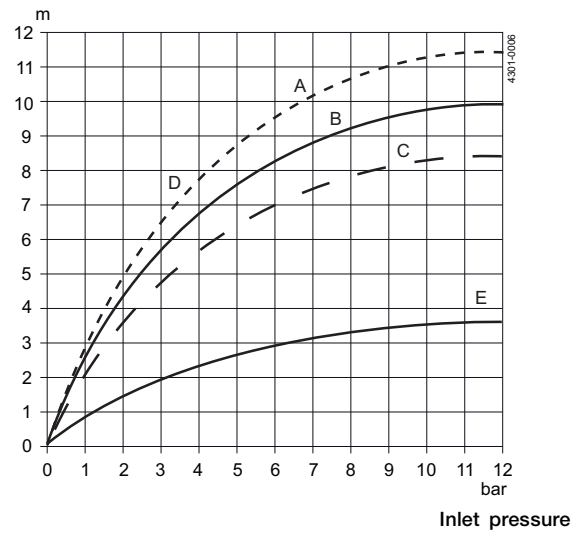


- Nozzles A) d = 8 mm
- B) d = 7 mm
- C) d = 6 mm

**Reach of jet**

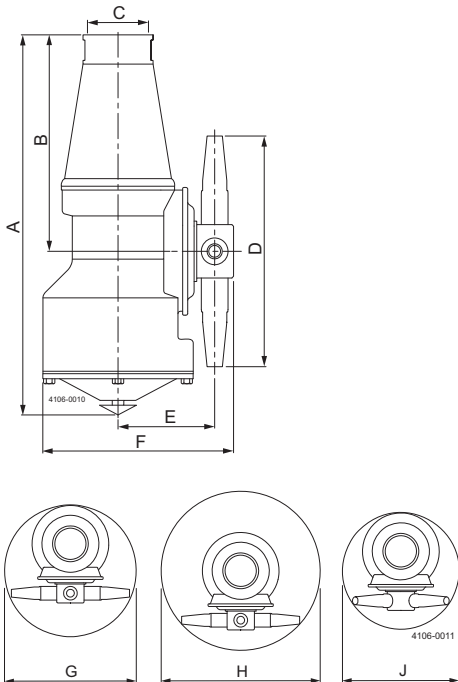
Reach of jet for the IM 15 during cleaning, and indicative reach of jet for mixing of liquids with water-like properties.

**Reach of jet [m]**



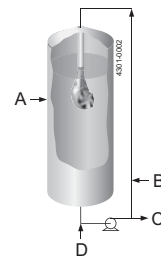
- Nozzles A) d = 8 mm
- B) d = 7 mm
- C) d = 6 mm
- D) Cleaning
- E) Mixing

**Dimensions (mm)**



| A   | B   | C  | D   | E  | F   | G    | H    | J    |
|-----|-----|----|-----|----|-----|------|------|------|
| 297 | 170 | 50 | 204 | 78 | 152 | ø216 | ø264 | ø180 |

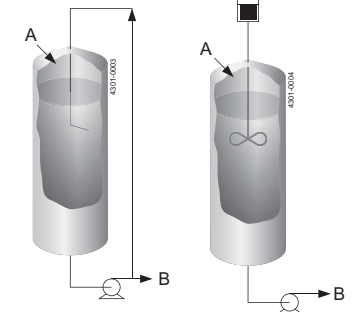
**The Rotary Jet Mixing technology**



- A = Rotary Jet Mixer
- B = Gas
- C = Product
- D = Liquid feed

**Traditional Mixing technology**

**Round pumping Propeller mixing**



- A = Liquid feed
- B = Product

# Superior mixing – Liquid, Gas and Powder

## IM 20 Rotary Jet Mixer

The patented IM 20 Rotary Jet Mixer (RJM) does not only mix fast, efficient and uniform but creates also the necessary process flexibility that makes it easy to switch to new product formulations with diverse viscosities, densities and volumes. Besides classic liquid to liquid mixing the RJM is excellent for gas and powder dispersion plus a superb tank cleaning machine.

**Applications**

Process and storage vessels between 5-200 m<sup>3</sup> used in a wide range of industries such as: beer & beverage, food & ingredients, home & personal care, health care, biotech and chemical industry etc.

**Operation**

Secure that the mixer is positioned in the correct level and submerged into the liquid before round pumping or when adding any additional products from any up-stream pipe works.



**TECHNICAL DATA**

Lubricant: . . . . . Self-lubricating with the mixing/cleaning fluid  
 Connection: . . . . . Standard thread 2" BSP or NPT, female  
 Min. tank opening: . . . . . See dimension drawings

**Pressure**

Working pressure: . . . . . 2-12 bar  
 Recommended pressure during mixing: . . . . . 2-6 bar  
 Recommended pressure during CIP: . . . . . 5-6.5 bar

**PHYSICAL DATA**

**Materials**

Materials: . . . . . AISI 316L, AISI 316, SAF 2205, PEEK, PVDF, Tefzel, Ceramics

**Weight:** . . . . . 12.2 kg

**Temperature**

Max. working temperature: . . . . . 95°C  
 Max. ambient temperature: . . . . . 140°C

**Benefits**

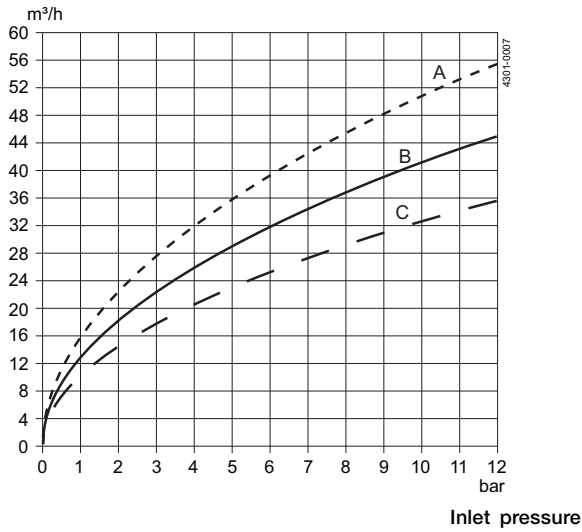
Using the IM 20 Rotary Jet Mixer makes it possible, at a modest investment, to perform fast and efficient mixing in a sanitary system. In traditional systems, using propeller mixers, a rotating shaft penetrates the tank wall, and a mechanical seal and a gear box are installed. With the Rotary Jet Mixer technology the shaft, seal and gearbox are eliminated, and a more sanitary design is obtained. With the Rotary Jet Mixing technology good mixing is achieved without the use of baffles. The Rotary Jet Mixer can also be used for gas dispersion and for dispersion and dissolving of powder. The IM 20 can furthermore be used for efficient CIP when the tank is empty, saving liquid, chemicals and energy compared to a fixed spray ball CIP system.



**Flow rate**

Relationship between inlet pressure and flow rate for liquids with waterlike properties for the IM 20 Rotary Jet Mixer.

**Volumetric flow rate [m<sup>3</sup>/h]**

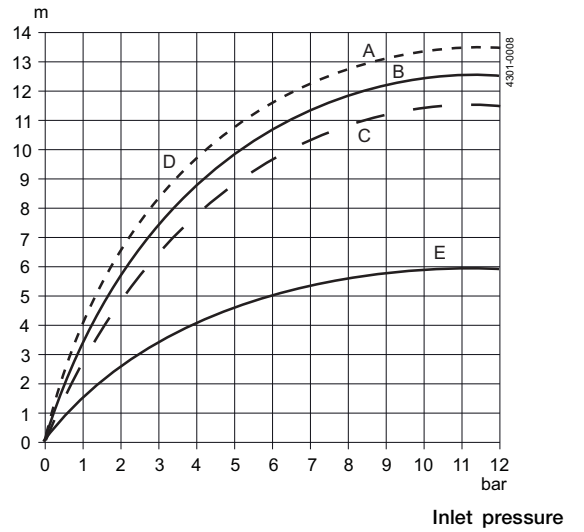


- Nozzles
- A) d = 10 mm
  - B) d = 9 mm
  - C) d = 8 mm

**Reach of jet**

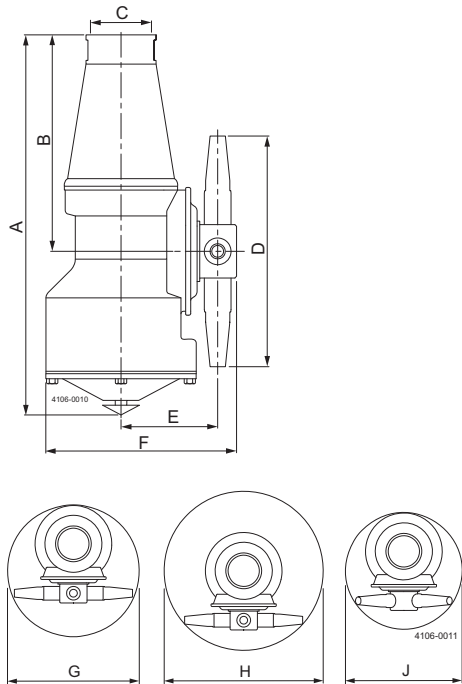
Reach of jet for the IM 20 during cleaning, and indicative reach of jet for mixing of liquids with water-like properties.

**Reach of jet [m]**



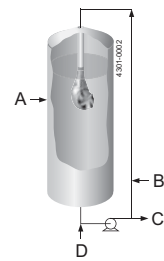
- Nozzles
- A) d = 10 mm
  - B) d = 9 mm
  - C) d = 8 mm
  - D) Cleaning
  - E) Mixing

**Dimensions (mm)**



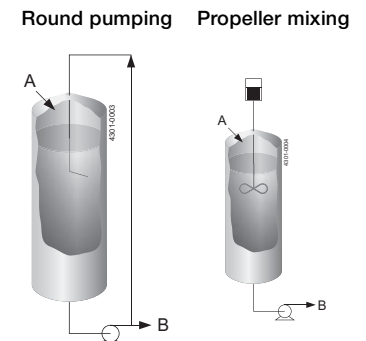
| A   | B   | C  | D   | E  | F   | G    | H    | J    |
|-----|-----|----|-----|----|-----|------|------|------|
| 356 | 220 | 65 | 268 | 98 | 195 | ø280 | ø343 | ø232 |

**The Rotary Jet Mixing technology**



- A = Rotary Jet Mixer
- B = Gas
- C = Product
- D = Liquid feed

**Traditional Mixing technology**



- A = Liquid feed
- B = Product

# Superior Mixing – Liquid, Gas and Powder

## IM 25 Rotary Jet Mixer

The patented IM 25 Rotary Jet Mixer (RJM) does not only mix fast, efficient and uniform but creates also the necessary process flexibility that makes it easy to switch to new product formulations with diverse viscosities, densities and volumes. Besides classic liquid to liquid mixing the RJM is excellent for gas and powder dispersion plus a superb tank cleaning machine.

**Applications**

Process and storage vessels between 10-1000 m<sup>3</sup> used in a wide range of industries such as: beer & beverage, food & ingredients, home & personal care, health care, biotech and chemical industry etc.

**Operation**

Secure that the mixer is positioned in the correct level and submerged into the liquid before round pumping or when adding any additional products from any up-stream pipe works.



**TECHNICAL DATA**

Lubricant: . . . . . Self-lubricating with the mixing/cleaning fluid  
 Connection: . . . . . Standard thread 2.5" BSP, female  
 Min. tank opening: . . . . . See dimension drawings

**Pressure**

Working pressure: . . . . . 2-12 bar  
 Recommended pressure during mixing: . . . . . 4-8 bar  
 Recommended pressure during CIP: . . . . . 5-10 bar

**PHYSICAL DATA**

**Materials**

Materials: . . . . . AISI 316L, AISI 316, SAF 2205, PEEK, PVDF, Carbon, Tefzel, Ceramics

**Weight:** . . . . . 13.2 kg

**Temperature**

Max. working temperature: . . . . . 95°C  
 Max. ambient temperature: . . . . . 140°C

**Benefits**

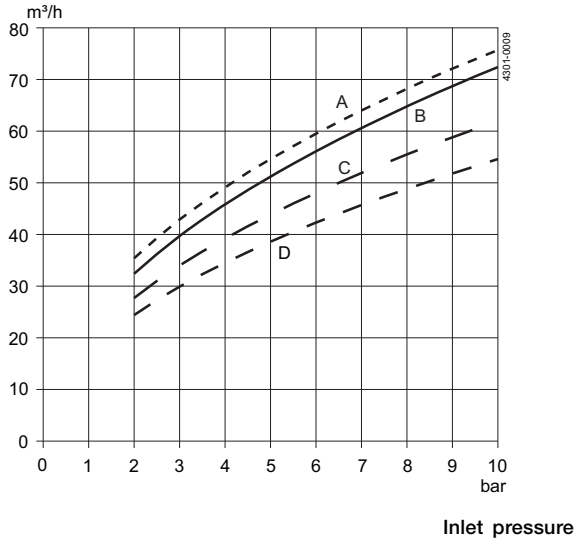
Using the IM 25 Rotary Jet Mixer makes it possible, at a modest investment, to perform fast and efficient mixing in a sanitary system. In traditional systems, using propeller mixers, a rotating shaft penetrates the tank wall and a mechanical seal and a gear box are installed. With the Rotary Jet Mixing technology the shaft, seal and gearbox are eliminated, and a more sanitary design is obtained. With the Rotary Jet Mixing technology good mixing is achieved without the use of baffles. The Rotary Jet Mixing technology can also be used for gas dispersion and for dispersion and dissolving of powder. The IM 25 can furthermore be used for efficient CIP when the tank is empty, saving liquid, chemicals and energy compared to a fixed spray ball CIP system.



**Flow rate**

Relationship between inlet pressure and flow rate for liquids with waterlike properties for the IM 25 Rotary Jet Mixer.

**Volumetric flow rate [m<sup>3</sup>/h]**

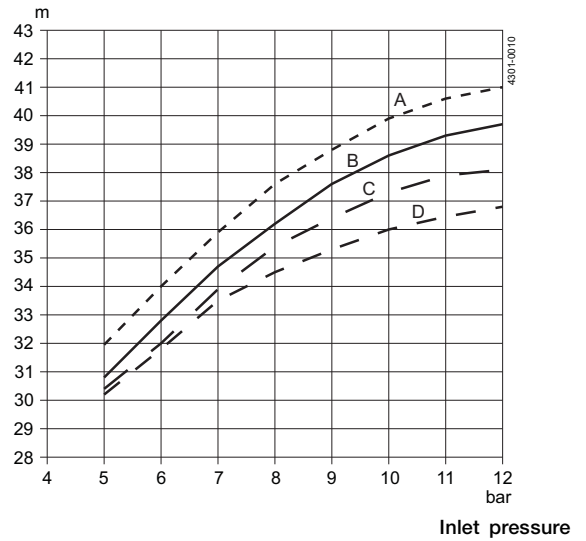


- Nozzles
- A) 2 x  $\varnothing$ 21 mm
  - B) 2 x  $\varnothing$ 19 mm
  - C) 2 x  $\varnothing$ 17 mm
  - D) 2 x  $\varnothing$ 15 mm

**Reach of jet**

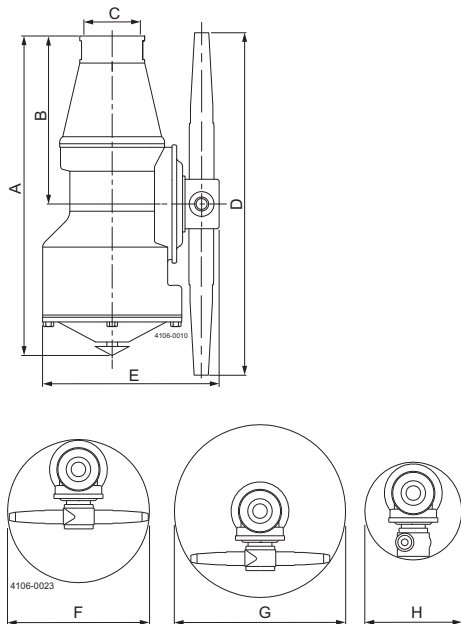
Reach of jet for the IM 25 during cleaning, and indicative reach of jet for mixing of liquids with water-like properties.

**Reach of jet [m]**



- Nozzles
- A) 2 x  $\varnothing$ 21 mm
  - B) 2 x  $\varnothing$ 19 mm
  - C) 2 x  $\varnothing$ 17 mm
  - D) 2 x  $\varnothing$ 15 mm

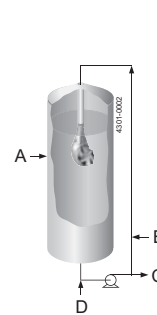
**Dimensions (mm)**



A = 2.5" BSP

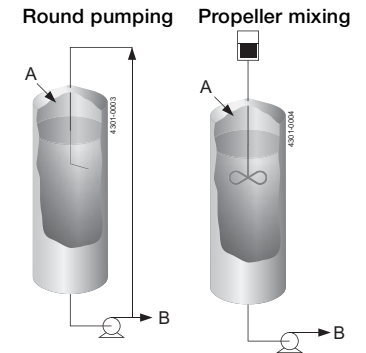
| A   | B   | C  | D   | E   | F                 | G                 | H                 |
|-----|-----|----|-----|-----|-------------------|-------------------|-------------------|
| 286 | 155 | 80 | 337 | 220 | $\varnothing$ 343 | $\varnothing$ 424 | $\varnothing$ 223 |

**The Rotary Jet Mixing technology**



- A = Rotary Jet Mixer
- B = Gas
- C = Product
- D = Liquid feed

**Traditional Mixing technology**



- A = Liquid feed
- B = Product

**Please notice before ordering**

- Standard configuration according to PD sheet.
- Special item number for USP class VI for female silicon carbide bearing
- To ensure easy and problem free operation please always order these three items together: Mixer unit, weld plate and pre-programmed frequency inverter
- If in doubt please contact your Alfa Laval technical support

| Item No<br>Ra<0.5 | RCPL<br>[EUR] | Item No,<br>Ra<0.5<br>Electropolished | RCPL<br>[EUR] | Description | Impeller diameter<br>[mm] [inch] |    |                                |
|-------------------|---------------|---------------------------------------|---------------|-------------|----------------------------------|----|--------------------------------|
|                   |               |                                       |               |             |                                  |    | <b>Mixer without weldplate</b> |
| 9614063801        |               | 9614063805                            |               | MM338-4     | 101.6                            | 4  |                                |
| 9614063802        |               | 9614063806                            |               | MM338-6     | 152.4                            | 6  |                                |
| 9614063901        |               | 9614063907                            |               | MM434-8     | 203.2                            | 8  |                                |
| 9614063902        |               | 9614063908                            |               | MM434-10    | 254.0                            | 10 |                                |
| 9614063903        |               | 9614063909                            |               | MM434-12    | 304.8                            | 12 |                                |

| Item No.<br>Ra<0.5   | RCPL<br>[EUR] | Description          | Weld plate dimensions |                  |               |  |
|--|---------------|----------------------|-----------------------|------------------|---------------|--|
|  |               |                      | øD [mm /<br>inch]     | T [mm /<br>inch] | t [mm / inch] |  |
| <b>Weld plate. Required in order for the mixer to work</b> |               |                      |                       |                  |               |  |
| 9634086405   |               | Weld plate for MM338 | 90 / 3.5              | 5 / 0.2          | 1 / 0.04      |  |
| 9634086404   |               | Weld plate for MM434 | 149 / 5.9             | 6 / 0.2          | 1 / 0.04      |  |

| Item No.   | RCPL<br>[EUR] | Description   |                            |
|------------|---------------|---|----------------------------|
|            |               |   | <b>Frequency inverters</b> |
| 9634086478 |               | Lenze M1105SE frequency inverter for 0.37 kW (0.5 HP) drive in stainless steel cabinet (IP66) |                            |
| 9634086479 |               | Lenze M1115SE frequency inverter for 1.1 kW (1.5 HP) drive in stainless steel cabinet (IP66)  |                            |

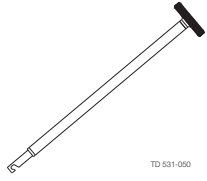
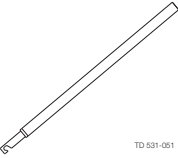
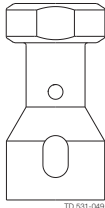
# Tools and spare parts for Alfa Laval MM UltraPure, Magnetic Mixer Tank Agitators and Mixers

Product code 5549

## 4.3

### Please notice before ordering

The impeller tool is required for installation. The tool fits all sizes and only one is required. The sockets are different for MM338 and MM434  
 If in doubt please contact your Alfa Laval Technical Support

| Item No.                 | RCPL<br>[EUR] | Description   | Tools  |
|--------------------------|---------------|---|--|
| 9634086437               |               | Removal Tool Rod for MM338 and 434. Length 60mm / 24" | <br>TD 531-050  |
| 9634086352               |               | Rod Extension MM338 and MM434. Length 90mm / 36"      | <br>TD 531-051  |
| 9634086114<br>9634086147 |               | Bearing socket MM338<br>Bearing socket MM434          | <br>TD 531-049 |

Product code: 5504

**New range of agitators**

New wide range of Alfa Laval agitators replaces the LKR. The range includes 4 different types of sanitary agitators

ALT Alfa Laval Top mounted agitator  
 ALTB Alfa Laval Top mounted agitator with Bottom steady bearing  
 ALB Alfa Laval Bottom mounted agitator  
 ALS Alfa Laval Side mounted agitator

The agitator range is with its high hygienic standards targeted at sanitary applications. The high energy efficiency is however just as attractive to non-sanitary applications.

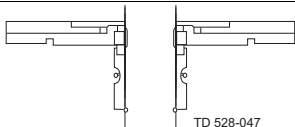
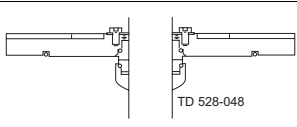
For any tank size the option of an agitator with low energy consumption is available.

All agitators are built using the same basic modules in various sizes. Selecting an ALS agitator is possible by means of the following tables. Please notice that the tables represent only a limited range of the available configurations.

Direct replacement of the LKR-5 is possible but the available range may offer a more efficient solution when selected based on tank size and product.

For configurations not included in the ordering leaflet please use the Enquiry Form available from your local Alfa Laval office.

| Precondition of selecting ALS           |   |
|---|---|
| Application:                            | Selection: Choose the agitator from the list by tank volume interval.<br>Note: The tank height/diameter ratio must be lower than 4 - if the ratio is higher, please contact Alfa Laval. |
| Duty:                                   | For keeping the media homogeneous/agitation (agitation time for homogenous media: max. 15 min) - typical for storage tanks  |
| Media(s):                               | Milk, pasteurized milk, recombined milk, raw milk, skim milk, whey, wine, juices, etc. Note: No heavy particles in the media  |
| Viscosity:                              | Max.  |
| Specific gravity (kg/dm <sup>3</sup> ): | Max. 1.1  |
| Temperature (° C):                      | Max. 95 (CIP temperature)   |
| Tank Shape:                             | H Tank/øID < 4  |

|  |  |
|--|--|
|  <p>S1<br/>TD 528-047</p>           |  <p>S2<br/>TD 528-048</p>              |
| O-ring seal against tank flange, drain, oil trap (only geared versions) and shaft seal: single mechanical BELLOWS SEAL | O-ring seal against tank flange, drain, oil trap (only geared versions) and shaft seal: single mechanical none bellow seal |



Product code: 5504

4.3

| Direct Drive<br>(50 Hz) Viscosity 0-10cP |                         |       |            | Tank Size |               | Geared Drive<br>(50 Hz) Viscosity 0-10cP |       |             |                         |          |          |                 |
|--|-------------------------|-------|------------|-----------|---------------|--|-------|-------------|-------------------------|----------|----------|-----------------|
| Item No.                                 | Voltage (V)             | (rpm) | Power (kW) | <         | >             | Power (kW)                               | (rpm) | Voltage (V) | Seal                    | Lan-tern | Item No. |                 |
| TE68A2608100040                          | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 2.5 ≤ 7.0   | >  | 0.25  | 283         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100650 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608100690 |
|  |                         |       |            | <         | > 7.0 ≤ 8.0   | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608100810 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608100850 |
| TE68A2608100040                          | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 7.0 ≤ 8.0   | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100970 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101010 |
|  |                         |       |            | <         | > 8.0 ≤ 9.0   | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101130 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100120                          | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 8.0 ≤ 9.0   | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100970 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101010 |
|  |                         |       |            | <         | > 8.0 ≤ 10.5  | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101130 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100120                          | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 10.5 ≤ 14.0 | >  | 0.37  | 289         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100970 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101010 |
|  |                         |       |            | <         | > 14.0 ≤ 18.0 | >  | 0.55  | 285         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101130 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100200                          | 3x220-240/<br>3x380-420 | 910   | 1.1        | <         | > 14.0 ≤ 18.0 | >  | 0.55  | 285         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101290 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101330 |
|  |                         |       |            | <         | > 18.0 ≤ 25.0 | >  | 0.55  | 285         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101450 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101490 |
| TE68A2608100200                          | 3x220-240/<br>3x380-420 | 910   | 1.1        | <         | > 18.0 ≤ 25.0 | >  | 0.55  | 285         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101290 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101330 |
|  |                         |       |            | <         | > 25.0 ≤ 30.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101450 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101490 |
| TE68A2608100280                          | 3x220-240/<br>3x380-420 | 940   | 2.2        | <         | > 25.0 ≤ 30.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101610 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101650 |
|  |                         |       |            | <         | > 30.0 ≤ 33.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608101770 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101810 |
| TE68A2608100280                          | 3x220-240/<br>3x380-420 | 940   | 2.2        | <         | > 30.0 ≤ 33.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101930 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101970 |
|  |                         |       |            | <         | > 33.0 ≤ 40.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608102090 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608102130 |
| TE68A2608100280                          | 3x220-240/<br>3x380-420 | 940   | 2.2        | <         | > 33.0 ≤ 40.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101930 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101970 |
|  |                         |       |            | <         | > 40.0 ≤ 50.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608102090 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608102130 |
| TE68A2608100360                          | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 40.0 ≤ 50.0 | >  | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101930 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608101970 |
|  |                         |       |            | <         | > 50.0 ≤ 52.0 | >  | 0.75  | 214         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608102090 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608102130 |
| TE68A2608100360                          | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 50.0 ≤ 52.0 | >  | 0.75  | 214         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608102570 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608102610 |
|  |                         |       |            | <         | > 52.0 ≤ 55.0 | >  | 0.75  | 214         | 3x220-240/<br>3x380-420 | S2       | no       | TE68A2608102730 |
|  |                         |       |            |           |               |  |       |             |                         |          | yes      | TE68A2608102770 |

Product code: 5504

| DirectDrive<br>(50 Hz) Viscosity 0-10cP |                         |       |            | Tank Size | GearedDrive<br>(50 Hz) Viscosity 0-10cP |            |       |             |                         |          |          |                 |
|---|-------------------------|-------|------------|-----------|---|------------|-------|-------------|-------------------------|----------|----------|-----------------|
| Item No.                                | Voltage (V)             | (rpm) | Power (kW) |           | (m³)                                    | Power (kW) | (rpm) | Voltage (V) | Seal                    | Lan-tern | Item No. |                 |
| TE68A2608100360                         | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 55.0 ≤<br>80.0                        | >          | 0.75  | 214         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608102570 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608102610 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608102730 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608102770 |
| TE68A2608100360                         | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 80.0 ≤<br>95.0                        | >          | 1.5   | 234         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103210 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608103250 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608103370 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608103410 |
| TE68A2608100440                         | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 95.0 ≤<br>135.0                       | >          | 1.5   | 234         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103210 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608103250 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608103370 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608103410 |
| TE68A2608100440                         | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 135.0 ≤<br>140.0                      | >          | 2.2   | 242         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103850 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608103890 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104010 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104050 |
| TE68A2608100440                         | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 140.0 ≤<br>170.0                      | >          | 2.2   | 242         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103850 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608103890 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104010 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104050 |
| TE68A2608100440                         | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 170.0 ≤<br>185.0                      | >          | 2.2   | 242         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103850 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608103890 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104010 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104050 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 185.0 ≤<br>195.0                      | >          | 3.0   | 241         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608104490 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608104530 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104650 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104690 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 195.0 ≤<br>200.0                      | >          | 3.0   | 241         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608104490 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608104530 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104650 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104690 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 200.0 ≤<br>265.0                      | >          | 3.0   | 241         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608104490 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608104530 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608104650 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608104690 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 265.0 ≤<br>280.0                      | >          | 4.0   | 276         | 3x380-420/<br>3x660-690 | S1       | no       | TE68A2608105130 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608105170 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608105290 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608105330 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 280.0 ≤<br>300.0                      | >          | 4.0   | 276         | 3x380-420/<br>3x660-690 | S1       | no       | TE68A2608105130 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608105170 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608105290 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608105330 |
| TE68A2608100520                         | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 300.0 ≤<br>320.0                      | >          | 4.0   | 276         | 3x380-420/<br>3x660-690 | S1       | no       | TE68A2608105130 |
|   |                         |       |            |           |   |            |       |             |                         | S1       | yes      | TE68A2608105170 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | no       | TE68A2608105290 |
|   |                         |       |            |           |   |            |       |             |                         | S2       | yes      | TE68A2608105330 |

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4.3

| Direct Drive<br>(50 Hz) Viscosity 10-50cP |                         |       |            | Tank Size |                 | Geared Drive<br>(50 Hz) Viscosity 10-50cP |       |             |                         |          |          |                 |
|---|-------------------------|-------|------------|-----------|-----------------|---|-------|-------------|-------------------------|----------|----------|-----------------|
| Item No.                                  | Voltage (V)             | (rpm) | Power (kW) | <         | >               | Power (kW)                                | (rpm) | Voltage (V) | Seal                    | Lan-tern | Item No. |                 |
| TE68A2608100040                           | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 2.5 ≤ 5.0     | >   | 0.25  | 283         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100650 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608100690 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608100810 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608100850 |
| TE68A2608100120                           | 3x220-240/<br>3x380-420 | 910   | 0.75       | <         | > 5.0 ≤ 8.0     | >   | 0.37  | 289         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100970 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101010 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608101130 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100200                           | 3x220-240/<br>3x380-420 | 910   | 1.1        | <         | > 8.0 ≤ 12.0    | >   | 0.37  | 289         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608100970 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101010 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608101130 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100200                           | 3x220-240/<br>3x380-420 | 910   | 1.1        | <         | > 12.0 ≤ 18.0   | >   | 0.55  | 285         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101290 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101330 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608101450 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101490 |
| TE68A2608100280                           | 3x220-240/<br>3x380-420 | 940   | 2.2        | <         | > 18.0 ≤ 25.0   | >   | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101610 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101650 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608101770 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101810 |
| TE68A2608100280                           | 3x220-240/<br>3x380-420 | 940   | 2.2        | <         | > 25.0 ≤ 35.0   | >   | 0.55  | 228         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608101930 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608101970 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608102090 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608102130 |
| TE68A2608100360                           | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 35.0 ≤ 55.0   | >   | 0.75  | 214         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608102570 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608102610 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608102730 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608102770 |
| TE68A2608100360                           | 3x380-420/<br>3x660-690 | 960   | 4.0        | <         | > 55.0 ≤ 75.0   | >   | 0.75  | 214         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608102570 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608102610 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608102730 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608102770 |
| TE68A2608100440                           | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 75.0 ≤ 105.0  | >   | 1.5   | 234         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103210 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608103250 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608103370 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608103410 |
| TE68A2608100440                           | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 105.0 ≤ 135.0 | >   | 1.5   | 234         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103210 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608103250 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608103370 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608103410 |
| TE68A2608100440                           | 3x380-420/<br>3x660-690 | 960   | 5.5        | <         | > 135.0 ≤ 170.0 | >   | 2.2   | 242         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608103850 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608103890 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608104010 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608104050 |
| TE68A2608100520                           | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 170.0 ≤ 230.0 | >   | 3.0   | 241         | 3x220-240/<br>3x380-420 | S1       | no       | TE68A2608104490 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608104530 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608104650 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608104690 |
| TE68A2608100520                           | 3x380-420/<br>3x660-690 | 960   | 11         | <         | > 230.0 ≤ 300.0 | >   | 4.0   | 276         | 3x380-420/<br>3x660-690 | S1       | no       | TE68A2608105130 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608105170 |
|   |                         |       |            | <         | >               |   |       |             |                         | S2       | no       | TE68A2608105290 |
|   |                         |       |            |           |                 |   |       |             |                         |          | yes      | TE68A2608105330 |

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| DirectDrive<br>(60 Hz) Viscosity 0-10cP |                         |       |            | Tank Size<br>(m <sup>3</sup> ) | GearedDrive<br>(60 Hz) Viscosity 0-10cP |       |             |      |                         |          |     |                 |
|---|-------------------------|-------|------------|--------------------------------|---|-------|-------------|------|-------------------------|----------|-----|-----------------|
| Item No.                                | Voltage (V)             | (rpm) | Power (kW) |                                | Power (kW)                              | (rpm) | Voltage (V) | Seal | Lan-tern                | Item No. |     |                 |
| TE68A2608100040                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 2.5 ≤ 7.0                             | >     | 0.29        | 340  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100650 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100690 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608100810 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100850 |
| TE68A2608100040                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 7.0 ≤ 8.0                             | >     | 0.29        | 340  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100650 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100690 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608100810 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100850 |
| TE68A2608100040                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 8.0 ≤ 9.0                             | >     | 0.29        | 340  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100650 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100690 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608100810 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608100850 |
| TE68A2608100040                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 8.0 ≤ 10.5                            | >     | 0.43        | 347  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100970 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101010 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101130 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101170 |
| TE68A2608100120                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 10.5 ≤ 14.0                           | >     | 0.43        | 347  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100970 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101010 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101130 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101170 |
| TE68A2608100120                         | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <                              | > 14.0 ≤ 18.0                           | >     | 0.43        | 347  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608100970 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101010 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101130 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101170 |
| TE68A2608100200                         | 3x250-280/<br>3x440-480 | 1092  | 1.32       | <                              | > 18.0 ≤ 25.0                           | >     | 0.63        | 342  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608101290 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101330 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101450 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101490 |
| TE68A2608100200                         | 3x250-280/<br>3x440-480 | 1092  | 1.32       | <                              | > 25.0 ≤ 30.0                           | >     | 0.63        | 274  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608101610 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101650 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101770 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101810 |
| TE68A2608100200                         | 3x250-280/<br>3x440-480 | 1092  | 1.32       | <                              | > 30.0 ≤ 33.0                           | >     | 0.63        | 274  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608101610 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101650 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608101770 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608101810 |
| TE68A2608100280                         | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <                              | > 33.0 ≤ 40.0                           | >     | 0.63        | 226  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608102250 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102290 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608102410 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102450 |
| TE68A2608100280                         | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <                              | > 40.0 ≤ 50.0                           | >     | 0.63        | 226  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608102250 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102290 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608102410 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102450 |
| TE68A2608100280                         | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <                              | > 50.0 ≤ 52.0                           | >     | 0.63        | 226  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608102250 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102290 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608102410 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102450 |
| TE68A2608100280                         | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <                              | > 52.0 ≤ 55.0                           | >     | 0.86        | 211  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608102890 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608102930 |
|   |                         |       |            |                                |   |       |             |      |                         | S2       | no  | TE68A2608103050 |
|   |                         |       |            |                                |   |       |             |      |                         |          | yes | TE68A2608103090 |

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4.3

| DirectDrive<br>(60 Hz) Viscosity 0-10cP |             |       |            | Tank Size<br>(m³) | GearedDrive<br>(60 Hz) Viscosity 0-10cP |       |             |      |                         |          |     |                 |
|---|-------------|-------|------------|-------------------|---|-------|-------------|------|-------------------------|----------|-----|-----------------|
| Item No.                                | Voltage (V) | (rpm) | Power (kW) |                   | Power (kW)                              | (rpm) | Voltage (V) | Seal | Lan-tern                | Item No. |     |                 |
| TE68A2608100360                         | 3x440-480   | 1152  | 4.8        | <                 | > 55.0 ≤<br>80.0                        | >     | 0.86        | 211  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608102890 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608102930 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608103050 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103090 |
| TE68A2608100360                         | 3x440-480   | 1152  | 4.8        | <                 | > 80.0 ≤<br>95.0                        | >     | 1.73        | 242  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608103530 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103570 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608103690 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103710 |
| TE68A2608100360                         | 3x440-480   | 1152  | 4.8        | <                 | > 95.0 ≤<br>135.0                       | >     | 1.73        | 242  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608103530 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103570 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608103690 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103730 |
| TE68A2608100360                         | 3x440-480   | 1152  | 4.8        | <                 | > 135.0 ≤<br>140.0                      | >     | 1.73        | 242  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608103530 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103570 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608103690 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608103730 |
| TE68A2608100360                         | 3x440-480   | 1152  | 4.8        | <                 | > 140.0 ≤<br>170.0                      | >     | 2.53        | 251  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104170 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104210 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104330 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104370 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 170.0 ≤<br>185.0                      | >     | 2.53        | 251  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104170 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104210 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104330 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104370 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 185.0 ≤<br>195.0                      | >     | 2.53        | 251  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104170 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104210 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104330 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104370 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 195.0 ≤<br>200.0                      | >     | 2.53        | 251  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104170 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104210 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104330 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104370 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 200.0 ≤<br>265.0                      | >     | 3.45        | 227  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104810 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104850 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104970 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105010 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 265.0 ≤<br>280.0                      | >     | 3.45        | 227  | 3x250-280/<br>3x440-480 | S1       | no  | TE68A2608104810 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608104850 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608104970 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105010 |
| TE68A2608100600                         | 3x440-480   | 1152  | 13.2       | <                 | > 280.0 ≤<br>300.0                      | >     | 4.6         | 275  | 3x440-480               | S1       | no  | TE68A2608105450 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105490 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608105610 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105650 |
| NA                                      |             |       |            | <                 | > 300.0 ≤<br>320.0                      | >     | 4.6         | 275  | 3x440-480               | S1       | no  | TE68A2608105450 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105490 |
|   |             |       |            |                   |   |       |             |      |                         | S2       | no  | TE68A2608105610 |
|   |             |       |            |                   |   |       |             |      |                         |          | yes | TE68A2608105650 |

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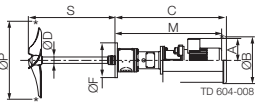
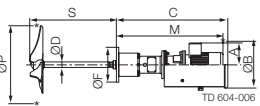
| DirectDrive<br>(60 Hz) Viscosity 10-50cP |                         |       |            | Tank Size |                 | GearedDrive<br>(60 Hz) Viscosity 10-50cP |       |             |                         |          |          |                 |
|--|-------------------------|-------|------------|-----------|-----------------|--|-------|-------------|-------------------------|----------|----------|-----------------|
| Item No.                                 | Voltage (V)             | (rpm) | Power (kW) | <         | >               | Power (kW)                               | (rpm) | Voltage (V) | Seal                    | Lan-tern | Item No. |                 |
| TE68A2608100040                          | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <         | > 2.5 ≤ 5.0     | >  | 0.29  | 340         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608100650 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608100690 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608100810 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608100850 |
| TE68A2608100120                          | 3x250-280/<br>3x440-480 | 1092  | 0.9        | <         | > 5.0 ≤ 8.0     | >  | 0.43  | 347         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608100970 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101010 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608101130 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100200                          | 3x250-280/<br>3x440-480 | 1092  | 1.32       | <         | > 8.0 ≤ 12.0    | >  | 0.43  | 347         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608100970 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101010 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608101130 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101170 |
| TE68A2608100200                          | 3x250-280/<br>3x440-480 | 1092  | 1.32       | <         | > 12.0 ≤ 18.0   | >  | 0.63  | 342         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608101290 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101330 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608101450 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101490 |
| TE68A2608100280                          | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <         | > 18.0 ≤ 25.0   | >  | 0.63  | 274         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608101610 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101650 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608101770 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608101810 |
| TE68A2608100280                          | 3x250-280/<br>3x440-480 | 1128  | 2.6        | <         | > 25.0 ≤ 35.0   | >  | 0.63  | 226         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608102250 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608102290 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608102410 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608102450 |
| TE68A2608100360                          | 3x440-480               | 1152  | 4.8        | <         | > 35.0 ≤ 55.0   | >  | 0.86  | 211         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608102890 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608102930 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608103050 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103090 |
| TE68A2608100360                          | 3x440-480               | 1152  | 4.8        | <         | > 55.0 ≤ 75.0   | >  | 0.86  | 211         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608102890 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608102930 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608103050 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103090 |
| TE68A2608100360                          | 3x440-480               | 1152  | 4.8        | <         | > 75.0 ≤ 105.0  | >  | 1.73  | 242         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608103530 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103570 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608103690 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103730 |
| TE68A2608100360                          | 3x440-480               | 1152  | 4.8        | <         | > 105.0 ≤ 135.0 | >  | 1.73  | 242         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608103530 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103570 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608103690 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608103730 |
| TE68A2608100360                          | 3x440-480               | 1152  | 4.8        | <         | > 135.0 ≤ 170.0 | >  | 2.53  | 251         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608104170 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608104210 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608104330 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608104370 |
| TE68A2608100600                          | 3x440-480               | 1152  | 13.2       | <         | > 170.0 ≤ 230.0 | >  | 3.45  | 227         | 3x250-280/<br>3x440-480 | S1       | no       | TE68A2608104810 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608104850 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608104970 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608105010 |
| TE68A2608100600                          | 3x440-480               | 1152  | 13.2       | <         | > 230.0 ≤ 300.0 | >  | 4.6   | 275         | 3x440-480               | S1       | no       | TE68A2608105450 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608105490 |
|  |                         |       |            |           |                 |  |       |             |                         | S2       | no       | TE68A2608105610 |
|  |                         |       |            |           |                 |  |       |             |                         |          | yes      | TE68A2608105650 |

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4.3

| Item No.  | RCPL<br>EUR | Tank<br>flange | S   | C   | M   | A   | øB                                  | øF  | øD | øP   | DirectDrive<br>- S1 Sealing arrangement<br>- With Lantern |  |
|---|-------------|----------------|-----|-----|-----|-----|-------------------------------------|-----|----|------|---|--|
| TE68A2608100040   |             | ø250*          | 350 | 477 | 435 | 150 | 295                                 | 200 | 30 | 175  |   |  |
| TE68A2608100120   |             | ø250*          | 350 | 477 | 435 | 150 | 295                                 | 200 | 30 | 200  |   |  |
| TE68A2608100200   |             | ø250*          | 350 | 477 | 435 | 150 | 295                                 | 200 | 30 | 225  |   |  |
| TE68A2608100280   |             | ø300*          | 450 | 485 | 471 | 200 | 295                                 | 250 | 30 | 250  |   |  |
| TE68A2608100360   |             | ø300*          | 450 | 596 | 566 | 200 | 345                                 | 250 | 30 | 300  |   |  |
| TE68A2608100440   |             | ø300*          | 450 | 596 | 566 | 260 | 345                                 | 250 | 30 | 350  |   |  |
| TE68A2608100520   |             | ø400*          | 500 | 750 | 720 | 130 | 395                                 | 350 | 40 | 400  |   |  |
| TE68A2608100600   |             | ø400*          | 500 | 750 | 720 | 130 | 395                                 | 350 | 40 | 350  |   |  |
| <b>GearedDrive - S1 Sealing arrangement - Without Lantern</b>   |             |                |     |     |     |     |                                     |     |    |      |   |  |
| TE68A2608100650   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 35 | 300  |   |  |
| TE68A2608100970   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 35 | 350  |   |  |
| TE68A2608101290   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 35 | 400  |   |  |
| TE68A2608101610   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 35 | 450  |   |  |
| TE68A2608101930   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 35 | 500  |   |  |
| TE68A2608102250   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 35 | 500  |   |  |
| TE68A2608102570   |             | ø250*          | 500 | 561 | 539 | 142 | 345                                 | 200 | 35 | 550  |   |  |
| TE68A2608102890   |             | ø250*          | 500 | 561 | 539 | 142 | 345                                 | 200 | 35 | 550  |   |  |
| TE68A2608103210   |             | ø250*          | 500 | 687 | 648 | 147 | 345                                 | 200 | 35 | 600  |   |  |
| TE68A2608103530   |             | ø250*          | 500 | 687 | 648 | 147 | 345                                 | 200 | 35 | 600  |   |  |
| TE68A2608103850   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 35 | 650  |   |  |
| TE68A2608104170   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 35 | 650  |   |  |
| TE68A2608104490   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 35 | 700  |   |  |
| TE68A2608104810   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 35 | 700  |   |  |
| TE68A2608105130   |             | ø300*          | 700 | 950 | 921 | 179 | 410                                 | 250 | 35 | 700  |   |  |
| TE68A2608105450   |             | ø300*          | 700 | 950 | 921 | 179 | 410                                 | 250 | 35 | 700  |   |  |
| <b>Without Lantern - S2 Sealing arrangement Without Lantern</b> |             |                |     |     |     |     |                                     |     |    |      |   |  |
| TE68A2608100810   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 30 | 300  |   |  |
| TE68A2608101130   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 30 | 350  |   |  |
| TE68A2608101450   |             | ø250*          | 475 | 523 | 496 | 124 | 345                                 | 200 | 30 | 400  |   |  |
| TE68A2608101770   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 30 | 450  |   |  |
| TE68A2608102090   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 30 | 500  |   |  |
| TE68A2608102410   |             | ø250*          | 500 | 523 | 496 | 124 | 345                                 | 200 | 30 | 500  |   |  |
| TE68A2608102730   |             | ø250*          | 500 | 561 | 539 | 142 | 345                                 | 200 | 30 | 550  |   |  |
| TE68A2608103050   |             | ø250*          | 500 | 561 | 539 | 142 | 345                                 | 200 | 30 | 550  |   |  |
| TE68A2608103370   |             | ø250*          | 500 | 687 | 648 | 147 | 345                                 | 200 | 30 | 600  |   |  |
| TE68A2608103690   |             | ø250*          | 500 | 687 | 648 | 147 | 345                                 | 200 | 30 | 600  |   |  |
| TE68A2608104010   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 40 | 650  |   |  |
| TE68A2608104330   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 40 | 650  |   |  |
| TE68A2608104650   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 40 | 700  |   |  |
| TE68A2608104970   |             | ø300*          | 700 | 950 | 898 | 169 | 410                                 | 250 | 40 | 700  |   |  |
| TE68A2608105290   |             | ø300*          | 700 | 950 | 921 | 179 | 410                                 | 250 | 40 | 700  |   |  |
| TE68A2608105610   |             | ø300*          | 700 | 950 | 921 | 179 | 410                                 | 250 | 40 | 700  |   |  |
| <b>*Other Options Product code: 5508</b>                        |             |                |     |     |     |     |                                     |     |    |      |   |  |
| TE2603023190  |             |                |     |     |     |     | Welding flanges for tank connection |     |    | ø250 |   |  |
| TE2603022590  |             |                |     |     |     |     |                                     |     |    | ø300 |   |  |
| TE2603050080  |             |                |     |     |     |     |                                     |     |    | ø400 |   |  |

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| Item No.  | RCPL<br>EUR | Tank<br>flange | S   | C    | M    | A   | øB  | øF  | øD | øP  | GearedDrive - S1 Sealing<br>arrangement - With Lantern                                |
|---|-------------|----------------|-----|------|------|-----|-----|-----|----|-----|---|
| TE68A2608100690                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 35 | 300 |    |
| TE68A2608101010                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 35 | 350 |   |
| TE68A2608101330                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 35 | 400 |   |
| TE68A2608101650                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 35 | 450 |   |
| TE68A2608101970                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 35 | 500 |   |
| TE68A2608102290                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 35 | 500 |   |
| TE68A2608102610                                     |             | ø250*          | 500 | 661  | 639  | 142 | 345 | 200 | 35 | 550 |   |
| TE68A2608102930                                     |             | ø250*          | 500 | 661  | 639  | 142 | 345 | 200 | 35 | 550 |   |
| TE68A2608103250                                     |             | ø250*          | 500 | 787  | 748  | 147 | 345 | 200 | 35 | 600 |   |
| TE68A2608103570                                     |             | ø250*          | 500 | 787  | 748  | 147 | 345 | 200 | 35 | 600 |   |
| TE68A2608103890                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 35 | 650 |   |
| TE68A2608104210                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 35 | 650 |   |
| TE68A2608104530                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 35 | 700 |   |
| TE68A2608104850                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 35 | 700 |   |
| TE68A2608105170                                     |             | ø300*          | 700 | 1050 | 1021 | 179 | 410 | 250 | 35 | 700 |   |
| TE68A2608105490                                     |             | ø300*          | 700 | 1050 | 1021 | 179 | 410 | 250 | 35 | 700 |   |
| GearedDrive - S2 Sealing arrangement - With Lantern |             |                |     |      |      |     |     |     |    |     |   |
| TE68A2608100850                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 30 | 300 |  |
| TE68A2608101170                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 30 | 350 |   |
| TE68A2608101490                                     |             | ø250*          | 475 | 623  | 596  | 124 | 345 | 200 | 30 | 400 |   |
| TE68A2608101810                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 30 | 450 |   |
| TE68A2608102130                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 30 | 500 |   |
| TE68A2608102450                                     |             | ø250*          | 500 | 623  | 596  | 124 | 345 | 200 | 30 | 500 |   |
| TE68A2608102770                                     |             | ø250*          | 500 | 661  | 639  | 142 | 345 | 200 | 30 | 550 |   |
| TE68A2608103090                                     |             | ø250*          | 500 | 661  | 639  | 142 | 345 | 200 | 30 | 550 |   |
| TE68A2608103410                                     |             | ø250*          | 500 | 787  | 748  | 147 | 345 | 200 | 30 | 600 |   |
| TE68A2608103730                                     |             | ø250*          | 500 | 787  | 748  | 147 | 345 | 200 | 30 | 600 |   |
| TE68A2608104050                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 40 | 650 |   |
| TE68A2608104370                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 40 | 650 |   |
| TE68A2608104690                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 40 | 700 |   |
| TE68A2608105010                                     |             | ø300*          | 700 | 1050 | 998  | 169 | 410 | 250 | 40 | 700 |   |
| TE68A2608105330                                     |             | ø300*          | 700 | 1050 | 1021 | 179 | 410 | 250 | 40 | 700 |   |
| TE68A2608105650                                     |             | ø300*          | 700 | 1050 | 1021 | 179 | 410 | 250 | 40 | 700 |   |

\*Other Options Product code: 5508

|              |  |  |  |  |  |  |  |  |  |  |                                     |      |
|--------------|--|--|--|--|--|--|--|--|--|--|-------------------------------------|------|
| TE2603023190 |  |  |  |  |  |  |  |  |  |  | Welding flanges for tank connection | ø250 |
| TE2603022590 |  |  |  |  |  |  |  |  |  |  |                                     | ø300 |
| TE2603050080 |  |  |  |  |  |  |  |  |  |  |                                     | ø400 |




Product code: 5504

4.3

| ALS Standard configuration  |   |
|---|---|
| <b>Technical Data</b><br>Surface finish:<br>Prepared for frequency duties with:<br>Motor Protection Class<br>Motor Color<br>GearedDrive<br>Propellers   | Mechanical polish Ra<0.8 µm<br>PTC (Thermistors)<br>IP55<br>RAL 5010<br>Coaxial gear<br>3- bladed Energy Saving Foils (EnSaFoil)  |
| <b>Material:</b><br>Bearing house<br>Mounting flange<br>Product contact parts (Stainless steel)<br>Product contact parts (Rubber parts)<br>Mechanical Sealing (DirectDrive)<br>Mechanical Sealing (GearedDrive) | Stainless steel<br>AISI 316L<br>AISI 316L<br>EPDM / FEP<br>Carbon (FDA) / Silicium Carbide<br>Silicium Carbide / Silicium Carbide |

|   |   |  | Options |
|---|---|--|---------|
| RCPL<br>EUR   | Motor size [kW]                               | Description  |         |
|   |   | Material certificates 3.1 acc. EN 10204 (for parts with product contact) including FDA Conformity statement acc. 21 CFR 177 for gaskets and elastomers |         |
| <b>Food approved oil USDA-H1 - Add-on price (Only geared models)</b>    |   |  |         |
|   | 0.25 - 0.75<br>1.1 - 2.2<br>3.0 to 4.0        |  |         |
| <b>Stainless Steel Motor Cover - Add on price (geared models)</b>       |   |  |         |
|   | 0.25 - 0.55<br>0.75<br>1.5 - 2.2<br>3.0 - 4.0 |  |         |
| <b>Stainless Steel Motor Cover - Add on price (direct drive models)</b> |   |  |         |
|   | 0.75 - 1.1<br>2.2<br>4.0 - 5.5<br>11          |  |         |

Product code: 5504

| Options  |  |
|--|--|
| <p><b>ATEX</b><br/>ATEXin tank<br/>ATEXoutside tank</p>         | <p>II1GDcTX, II2GDcTX or II3GDcTX<br/>II2GDcTX or II3GDcTX<br/>Agitators can be delivered approved for ATEX environment with declaration of conformity according to directive 94/9/EC, approved according to ATEX categories</p> |
| <p><b>Surface finish</b><br/>Less Sanitary application<br/>For high Sanitary application</p>   | <p>Shot peened propellers<br/>Mechanical polished with succeeding electropolish</p>  |
| <p><b>Material</b><br/>Product contact parts (Stainless steel)<br/>Product contact parts (Rubber parts)<br/>Mechanical Sealing (GearedDrive)</p> | <p>AISI 304L (Lower than standard), AISI 904L, SAF 2205<br/>EPDM / FEP (Depending on product)<br/>Other options available</p>  |
| <p><b>Various options</b><br/>Voltage and Frequency:<br/>Seal Arrangements:<br/>Drive:<br/>Propellers:</p>                                       | <p>All motors voltages and frequencies are available<br/>Many variations - see PD Sheet<br/>Type of drive unit. Ex. right angle gear<br/>2- or 3- bladed Energy Saving Foils (EnSaFoil)</p>                                      |

# IM 10 Rotary Jet Mixer

# Tank Agitators and Mixers

Product code: 5509 Mixer  
 Product code: 5546 Welding Adaptor  
 Product code: 5548 Tools

Surface treatment: Bright

4.3

| Item No.                    | RCPL<br>EUR | Flow at 5 bar<br>m <sup>3</sup> /h  | No. of Nozzles/<br>Dimension | Dimension (mm) |    |    |     | Connection                       |
|-----------------------------|-------------|---|------------------------------|----------------|----|----|-----|----------------------------------|
|                             |             |   |                              | A              | C  | E  | F   |                                  |
| <b>PEEK</b>                 |             |   |                              |                |    |    |     |                                  |
| TE30B030                    |             | 7   | 4 x ø3.9                     | 230            | 36 | 16 | 100 |                                  |
| TE30B040                    |             | 9.5   | 4 x ø4.6                     | 230            | 36 | 16 | 100 |                                  |
| TE30B050                    |             | 12  | 4 x ø5.5                     | 230            | 36 | 16 | 100 |                                  |
| <b>PEEK</b>                 |             |   |                              |                |    |    |     |                                  |
|                             |             |   |                              |                |    |    |     | <b>Thread (1" NPT-female)</b>    |
| TE30N030                    |             | 7   | 4 x ø3.9                     | 230            | 36 | 16 | 100 |                                  |
| TE30N040                    |             | 9.5   | 4 x ø4.6                     | 230            | 36 | 16 | 100 |                                  |
| TE30N050                    |             | 12  | 4 x ø5.5                     | 230            | 36 | 16 | 100 |                                  |
| <b>Connection</b>           |             |   |                              |                |    |    |     | <b>Welding adaptor for IM 10</b> |
| TE52D030                    |             | 1" Rp-male (BSP)/1" ISO thread pipe (OD = 33.7 mm)  |                              |                |    |    |     |                                  |
| TE52D031                    |             | 1" NPT-male/1" ANSI pipe (OD = 33.4 mm)   |                              |                |    |    |     |                                  |
| TE52D032                    |             | 1" Rp-male (BSP)/1 1/2" dairy pipe (OD = 38 mm)<br>Gasket is included   |                              |                |    |    |     |                                  |
| <b>Add-on prices</b>        |             |   |                              |                |    |    |     |                                  |
| TE30B0XX-70                 |             | ATEX  |                              |                |    |    |     |                                  |
| TE30N0XX-70                 |             | ATEX  |                              |                |    |    |     |                                  |
| <b>Standard tool kit</b>    |             |   |                              |                |    |    |     |                                  |
| TE81B085                    |             | Caliper (1 piece)<br>Socket wrench with pin (1 piece)<br>Spanner for IM 10, TJ20G and MultiJet 25 (1 piece)<br>Spanner (1 piece)        |                              |                |    |    |     |                                  |
| <b>Item No. explanation</b> |             |   |                              |                |    |    |     | <b>Add-on explanation</b>        |
| TE30B0XX-70                 |             | ATEX approved machine for use in explosive atmospheres.   |                              |                |    |    |     |                                  |
| TE30N0XX-70                 |             | Category 1 for installation in zone 0/20 in accordance to Directive 94/9/EC. EX II 1 GD c T175°C Tamp 0°C to +140°C; Baseefa10ATEX0188X |                              |                |    |    |     |                                  |

Product code: 5509 Mixer  
 Product code: 5546 Welding Adaptor  
 Product code: 5548 Tools

Surface finish: Bright

| Item No.                    | RCPL<br>EUR | Flow at 5<br>bar  | No. of<br>Nozzles/<br>Dimension | Guide | Dimension (mm) |    |    |     | Connection                          |
|-----------------------------|-------------|---|---------------------------------|-------|----------------|----|----|-----|-------------------------------------|
|                             |             |   |                                 |       | A              | C  | E  | F   |                                     |
| <b>Stainless Steel</b>      |             | <b>m<sup>3</sup>/h</b>  |                                 |       |                |    |    |     | <b>Thread (1½" Rp-female (BSP))</b> |
| TE31B061                    |             | 16  | 4 x ø6                          | 100%  | 297            | 50 | 16 | 204 |                                     |
| TE31B071                    |             | 19  | 4 x ø7                          | 100%  | 297            | 50 | 16 | 204 |                                     |
| TE31B070                    |             | 19  | 4 x ø7                          | 0%    | 297            | 50 | 16 | 204 |                                     |
| TE31B080                    |             | 22.5  | 4 x ø8                          | 0%    | 297            | 50 | 16 | 204 |                                     |
| TE31B181                    |             | 14  | 2 x ø8                          | 100%  | 297            | 50 | 16 | 270 |                                     |
| TE31B182                    |             | 19  | 2 x ø10                         | 0%    | 297            | 50 | 16 | 270 |                                     |
| TE31B183                    |             | 21  | 2 x ø11                         | 0%    | 297            | 50 | 16 | 270 |                                     |
|                             |             |   |                                 |       |                |    |    |     | <b>Thread (1½" NPT-female)</b>      |
| TE31B166                    |             | 16  | 4 x ø6                          | 100%  | 297            | 50 | 16 | 204 |                                     |
| TE31B167                    |             | 19  | 4 x ø7                          | 100%  | 297            | 50 | 16 | 204 |                                     |
| TE31B177                    |             | 19  | 4 x ø7                          | 0%    | 297            | 50 | 16 | 204 |                                     |
| TE31B178                    |             | 22.5  | 4 x ø8                          | 0%    | 297            | 50 | 16 | 204 |                                     |
| TE31B281                    |             | 14  | 2 x ø8                          | 100%  | 297            | 50 | 16 | 270 |                                     |
| TE31B282                    |             | 19  | 2 x ø10                         | 0%    | 297            | 50 | 16 | 270 |                                     |
| TE31B283                    |             | 21  | 2 x ø11                         | 0%    | 297            | 50 | 16 | 270 |                                     |
|                             |             | <b>Connection</b>   |                                 |       |                |    |    |     | <b>Welding adapter for IM 15</b>    |
| TE52D018                    |             | 1½" Rp-male (BSP)/40 mm DIN pipe (OD = 40 mm)   |                                 |       |                |    |    |     |                                     |
| TE52D020                    |             | 1½" Rp-male (BSP)/1½" ISO thread pipe (OD = 48.3 mm)  |                                 |       |                |    |    |     |                                     |
| TE52D021                    |             | 1½" Rp-male (BSP)/2" dairy pipe (OD = 51 mm)  |                                 |       |                |    |    |     |                                     |
| <b>Add-on prices</b>        |             |   |                                 |       |                |    |    |     |                                     |
| TE31BXXX-70                 |             | ATEX  |                                 |       |                |    |    |     |                                     |
| <b>Standard tool kit</b>    |             |   |                                 |       |                |    |    |     |                                     |
| TE81B055                    |             | Unbraco key for 3/16" screw (1 piece)<br>Screw driver Unbraco 5/32" (2 pieces)<br>8 mm socket wrench with pin (1 piece)   |                                 |       |                |    |    |     |                                     |
| <b>Special tools</b>        |             |   |                                 |       |                |    |    |     |                                     |
| TE81B033                    |             | Pusher for 1½" machines   |                                 |       |                |    |    |     |                                     |
| TE81B129                    |             | Pusher for collar bush, 1.5" gear frame   |                                 |       |                |    |    |     |                                     |
| TE81B130                    |             | Tool for upper collar   |                                 |       |                |    |    |     |                                     |
| <b>Item No. explanation</b> |             | <b>Add-on explanation</b>   |                                 |       |                |    |    |     |                                     |
| TE31BXXX-70                 |             | ATEX approved machine for use in explosive atmospheres.<br>Category 1 for installation in zone 0/20 in accordance to Directive 94/9/EC. EX II 1 GD c T175°C Tamp 0°C to +140°C;<br>Baseefa10ATEX0188X |                                 |       |                |    |    |     |                                     |

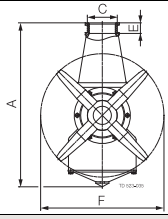
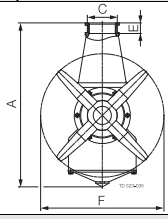
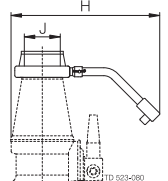
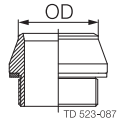

# IM 20 Rotary Jet Mixer

# Tank Agitators and Mixers

Product code: 5509 Mixer  
 Product code: 5546 Welding adapter  
 Product code: 5548 Tools

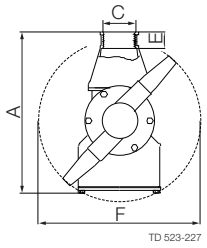

Surface finish: Bright

4.3

| Item No.                            | RCPL<br>EUR | Flow at 5 bar<br><br>m <sup>3</sup> /h   | No. of Nozzles/<br>Dimension | Guide | Dimension (mm) |    |   |     | Connection   |  |  |  |  |  |
|-------------------------------------|-------------|--|------------------------------|-------|----------------|----|---|-----|--|--|--|--|--|--|
|                                     |             |  |                              |       | A              | C  | E   | F   |  |  |  |  |  |  |
| <b>Stainless Steel</b>              |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE32B081                            |             | 23   | 4 x ø8                       | 100%  | 356            | 65 | 16  | 268 |   |  |  |  |  |  |
| TE32B091                            |             | 27.5   | 4 x ø9                       | 100%  | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B090                            |             | 27.5   | 4 x ø9                       | 0%    | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B100                            |             | 32.5   | 4 x ø10                      | 0%    | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B112                            |             | 24   | 2 x ø12                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| TE32B113                            |             | 28   | 2 x ø13                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| TE32B115                            |             | 37   | 2 x ø15                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| <b>Thread (2" NPT-female (BSP))</b> |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE32B181                            |             | 23   | 4 x ø8                       | 100%  | 356            | 65 | 16  | 268 |   |  |  |  |  |  |
| TE32B191                            |             | 27.5   | 4 x ø9                       | 100%  | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B190                            |             | 27.5   | 4 x ø9                       | 0%    | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B200                            |             | 32.5   | 4 x ø10                      | 0%    | 356            | 65 | 16  | 268 |  |  |  |  |  |  |
| TE32B212                            |             | 24   | 2 x ø12                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| TE32B213                            |             | 28   | 2 x ø13                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| TE32B215                            |             | 37   | 2 x ø15                      | 0%    | 356            | 65 | 16  | 337 |  |  |  |  |  |  |
| <b>Cleaning unit</b>                |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE52D140                            |             | Cleaning unit for IM 20, 2" Rp (BSP)   |                              |       |                |    | J   | H   |  |  |  |  |  |  |
| TE52D240                            |             | Cleaning unit for IM 20, 2" NPT  |                              |       |                |    | 2" Rp   | 210 |  |  |  |  |  |  |
| <b>Welding adapter for IM 20</b>    |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE52D025                            |             | 2" Rp-male (BSP)/2" ISO thread pipe (OD = 60.3 mm)   |                              |       |                |    |  |     |  |  |  |  |  |  |
| TE52D026                            |             | 2" Rp-male (BSP)/2½" dairy pipe (OD = 63.5 mm)<br><b>Gasket is included</b>  |                              |       |                |    |   |     |  |  |  |  |  |  |
| <b>Add-on prices</b>                |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE31BXXX-70                         |             | ATEX   |                              |       |                |    |   |     |  |  |  |  |  |  |
| <b>Standard tool kit</b>            |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE81B055                            |             | Unbraco key for 3/16" screw (1 piece)<br>Screw driver Unbraco 5/32" (2 pieces)<br>Unbraco key for 1/4" screw (1 piece)<br>Screw driver Unbraco 1/4" (1 piece)<br>Caliper (1 piece)<br>Socket wrench with pin (1 piece) |                              |       |                |    |  |     |  |  |  |  |  |  |
| <b>Special tools</b>                |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE81B031                            |             | Pusher for gear frame  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE81B032                            |             | Fixture set for gear frame   |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE81B130                            |             | Tool for upper collar  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE81B132                            |             | Tool for lower collar  |                              |       |                |    |   |     |  |  |  |  |  |  |
| <b>Add-on explanation</b>           |             |  |                              |       |                |    |   |     |  |  |  |  |  |  |
| TE32BXXX-70                         |             | ATEX approved machine for use in explosive atmospheres.<br>Category 1 for installation in zone 0/20 in accordance to Directive 94/9/EC. EX II 1 GD c T175°C Tamp 0°C to +140°C;<br>Baseefa10ATEX0188X                  |                              |       |                |    |   |     |  |  |  |  |  |  |

Product code: 5509 Mixer  
 Product code: 5548 Tools

Surface treatment: Bright

| Item No.                    | RCPL<br>EUR | Flow at 8 bar<br>m <sup>3</sup> /h   | No. of Nozzles/<br>Dimension | Guide | Dimension (mm) |    |     | Connection  |
|-----------------------------|-------------|--|------------------------------|-------|----------------|----|-----|---|
|                             |             |  |                              |       | A              | C  | F   |   |
| <b>Stainless Steel</b>      |             |  |                              |       |                |    |     | <b>Thread (2½" Rp-female (BSP))</b>   |
| TE33B034                    |             | 38   | 2 x ø15                      | 0%    | 286            | 80 | 337 |  |
| TE33B036                    |             | 42   | 2 x ø17                      | 0%    | 286            | 80 | 337 |   |
| TE33B038                    |             | 51   | 2 x ø19                      | 0%    | 286            | 80 | 337 |   |
| TE33B040                    |             | 54   | 2 x ø21                      | 0%    | 286            | 80 | 337 |   |
|                             |             |  |                              |       |                |    |     |   |
|                             |             |  |                              |       |                |    |     | <b>Add-on prices</b>  |
| TE33B0XX-70                 |             | ATEX   |                              |       |                |    |     |   |
|                             |             |  |                              |       |                |    |     | <b>Standard tool kit</b>  |
| TE81B065                    |             | Unbraco key for 3/16" screw (1 piece)<br>Screw driver Unbraco 5/32" (2 pieces)<br>Unbraco key for 1/4" screw (1 piece)<br>Screw driver Unbraco 1/4" (1 piece)<br>Caliper (1 piece)                 |                              |       |                |    |     |  |
| <b>Special tools</b>        |             |  |                              |       |                |    |     |   |
| TE81B031                    |             | Pusher for gear frame  |                              |       |                |    |     |   |
| TE81B032                    |             | Fixture set for gear frame   |                              |       |                |    |     |   |
| <b>Item No. explanation</b> |             |  |                              |       |                |    |     | <b>Add-on explanation</b>   |
| TE33B0XX-70                 |             | ATEX approved machine for use in explosive atmospheres.<br>Category 1 for installation in zone 0/20 in accordance to Directive 94/9/EC. EX II 1 GD c T175°C Tamp 0°C to +140°C; Baseefa10ATEX0188X |                              |       |                |    |     |   |

Other connection available on request