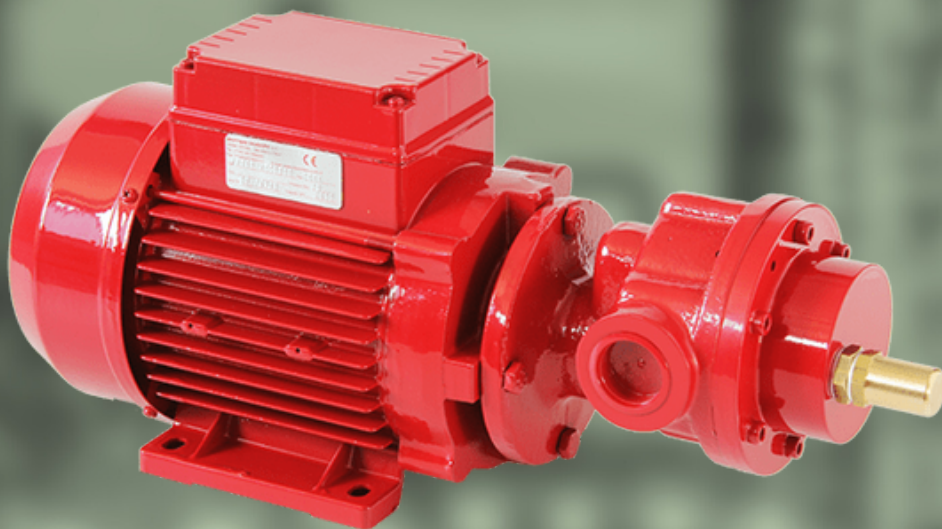




# GEAR TRANSFER - F SERIES

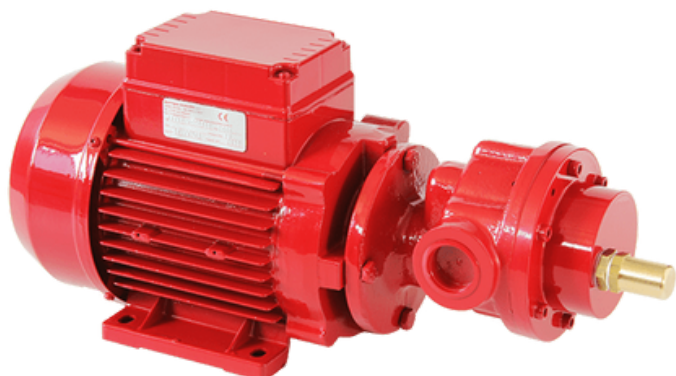
## PUMP RANGE



# F SERIES PUMP RANGE



## CUCCHI GEAR TRANSFER PUMPS



∞ IDEAL FOR LOW - MEDIUM VISCOSITY FLUIDS

∞ SUITABLE FOR TEMPERATURE UP TO 90°C

∞ CAST IRON, BRONZE, AISI 316L SS

∞ HANDLE PRESSURES UP TO 15 BAR

Part of the  
**CUCCHI GEAR TRANSFER**  
Pump Range



N SERIES



MX SERIES



B & MG SERIES

## F - FT/FM SERIES

The F – FT/FM series gear pumps are self-priming and designed for transferring and handling liquids without solid particles. They are ideal for low to medium viscosity fluids and can operate at temperatures up to 230°C, with the standard version suitable for temperatures up to 90°C.

These pumps are available in cast iron, bronze, and AISI 316L stainless steel versions and can handle pressures up to 15 bar. Depending on the application, they can be equipped with either a built-in bypass valve or a preheating chamber.

## RELIABLE, VERSATILE, HIGH PERFORMANCE

The design and construction of the F – FT/FM series comply with the following directives and standards:

- 2006/42/CE (Machinery Directive)
- 2014/30/UE (EMC Directive)
- 2014/35/UE (Low Voltage Directive)
- UNI EN ISO 12100, UNI EN ISO 13732-1, UNI EN 809, UNI EN ISO 14847

Upon request, versions compliant with the 2014/34/EU (ATEX directive), API 676, and NACE MR0175 standards are also available. EAC (CU TR 010 and CU TR 012) certified versions can be provided as well.

# F SERIES PUMP RANGE

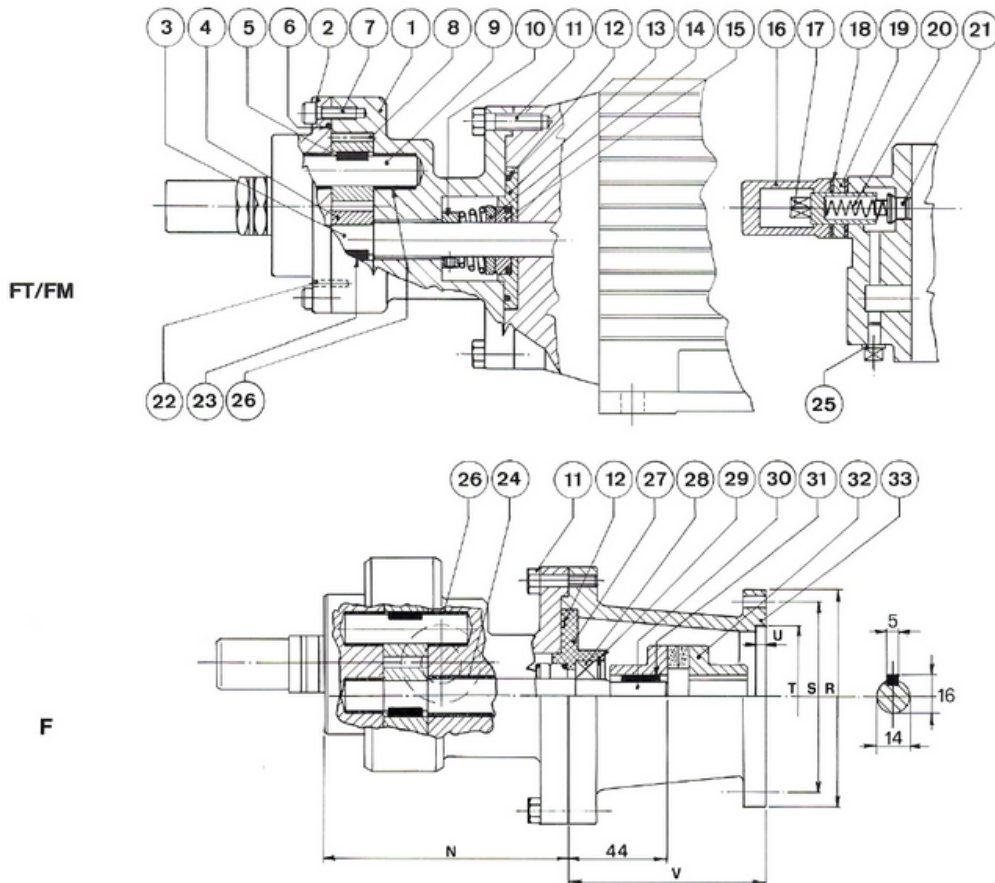


## CUCCHI GEAR TRANSFER PUMPS

### TECHNICAL SPECIFICATION

| MODEL     | CAPACITY (L/H) | kW   | REV./MIN | PRESSURE MAX (BAR) |
|-----------|----------------|------|----------|--------------------|
| FM - F 5  | 300            | 0.26 | 1400     | 10                 |
| FT - F 10 | 600            | 0.26 | 1400     | 5                  |
| FM - F 10 | 600            | 0.37 | 1400     | 10                 |
| FT - F 15 | 1000           | 0.37 | 1400     | 5                  |
| FM - F 15 | 1000           | 0.55 | 1400     | 10                 |
| FT - F 25 | 1500           | 0.55 | 1400     | 5                  |
| FM - F 25 | 1500           | 0.75 | 1400     | 10                 |
| FT - F 40 | 2500           | 0.75 | 1400     | 5                  |
| FM - F 40 | 2500           | 1.1  | 1400     | 10                 |
| FT - F 50 | 3000           | 1.1  | 1400     | 5                  |
| FM - F 50 | 3000           | 1.5  | 1400     | 10                 |
| FT - F 70 | 4200           | 1.5  | 1400     | 5                  |
| FM - F 70 | 4200           | 2    | 1400     | 10                 |

### PARTS LIST



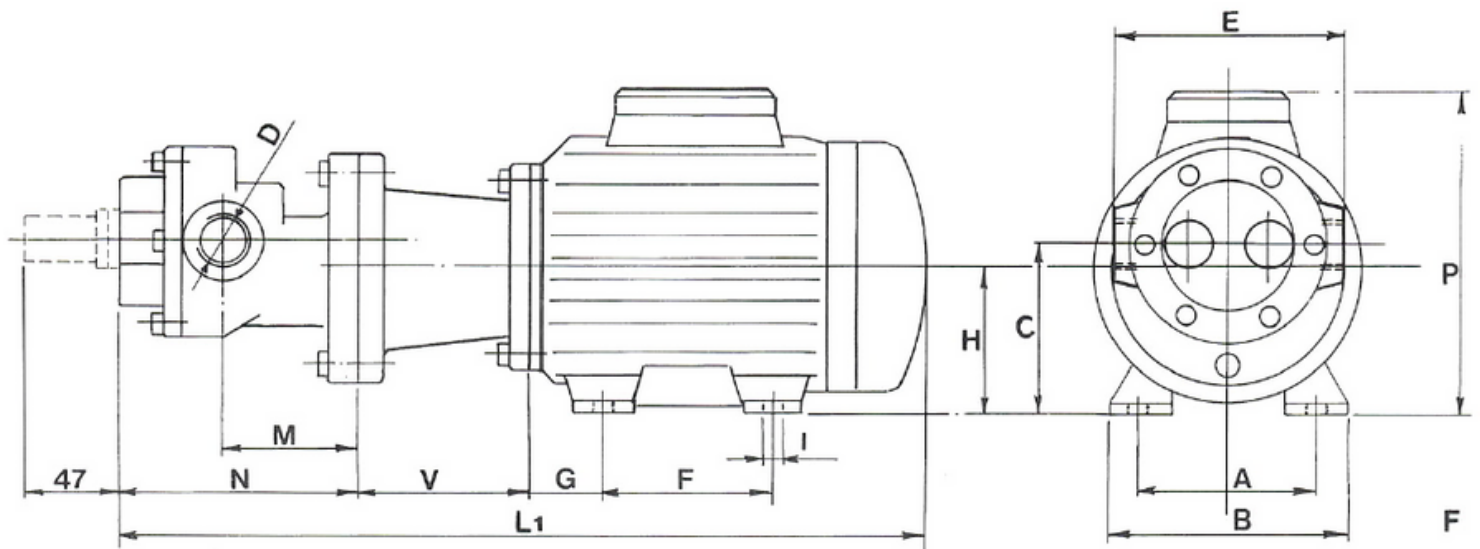
- 1 Body
- 2 Cover
- 3 Motor shaft
- 4 Gear
- 5 Key
- 6 O. Ring
- 7 Bolt
- 8 Gear
- 9 Driven shaft
- 10 Ring
- 11 Bolt
- 12 O. Ring
- 13 Seal cover
- 14 Static mechanical seal
- 15 Dynamic mechanical seal
- 16 Valve body
- 17 Adjusting screw
- 18 Gasket
- 19 Jam nut
- 20 Spring
- 21 Feeler
- 22 Pin
- 23 Key
- 24 Busches
- 25 Screw plug
- 26 Busches
- 27 Seal cover
- 28 Ball bearing
- 29 Seeger
- 30 Driving shaft
- 31 Key
- 32 Coupling
- 33 Strainer

# F SERIES PUMP RANGE



CUCCHI GEAR TRANSFER PUMPS

## ∞ RANGE DIMENSIONS



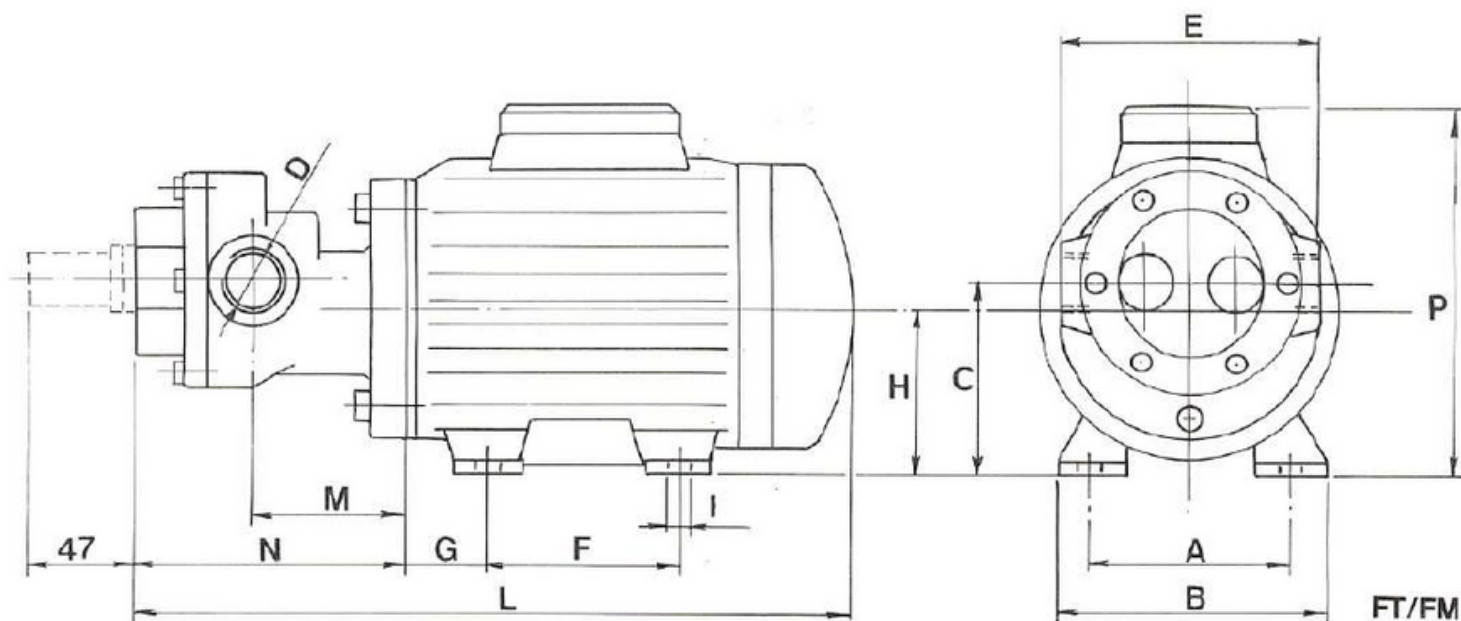
| MODEL | Motor Size | A   | B   | C    | D    | E   | F   | G  | H   | I  | L1  | M  | N   | V   | P   | T   | S   | R   | U   | WEIGHT |
|-------|------------|-----|-----|------|------|-----|-----|----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|--------|
| F5    | 71 A       | 112 | 136 | 86.5 | 1/2" | 108 | 90  | 45 | 71  | 7  | 396 | 46 | 96  | 89  | 177 | 70  | 85  | 105 | 3   | 9.5    |
| F10   | 71 A       | 112 | 136 | 86.5 | 3/4" | 115 | 90  | 45 | 71  | 7  | 413 | 58 | 113 | 89  | 177 | 70  | 85  | 105 | 3   | 10.5   |
|       | 71 B       |     |     |      |      |     |     |    |     |    |     |    |     |     |     |     |     |     |     | 11     |
| F15   | 71 B       | 112 | 136 | 86.5 | 3/4" | 115 | 90  | 45 | 71  | 7  | 423 | 58 | 123 | 89  | 177 | 70  | 85  | 105 | 3   | 11.5   |
|       | 80 A       | 125 | 153 | 95.5 |      |     | 100 | 50 | 80  |    | 451 |    |     | 92  | 195 | 80  | 100 | 120 | 3.5 | 12.5   |
| F25   | 80 A       | 125 | 153 | 95.5 | 3/4" | 119 | 100 | 50 | 80  | 7  | 461 | 70 | 133 | 92  | 195 | 80  | 100 | 120 | 3.5 | 14.5   |
|       | 80 A       |     |     |      |      |     |     |    |     |    |     |    |     |     |     |     |     |     |     | 15     |
| F40   | 80 B       | 125 | 153 | 100  | 1"   | 134 | 100 | 50 | 80  | 7  | 477 | 75 | 149 | 92  | 195 | 80  | 100 | 120 | 3.5 | 16.5   |
|       | 90 S       | 140 | 171 | 110  |      |     |     | 56 | 90  | 9  | 504 |    |     | 103 | 216 | 95  | 115 | 140 | 3.5 | 18     |
| F50   | 90 S       | 140 | 171 | 110  | 1"   | 134 | 100 | 56 | 90  | 9  | 504 | 75 | 149 | 103 | 216 | 95  | 115 | 140 | 3.5 | 20     |
|       | 90 L       |     |     |      |      |     | 125 |    |     |    | 529 |    |     |     |     |     |     |     |     | 22     |
| F70   | 90 L       | 140 | 171 | 110  | 1"   | 134 | 125 | 56 | 90  | 9  | 539 | 75 | 159 | 103 | 216 | 95  | 115 | 140 | 3.5 | 23     |
|       | 100 L      | 160 | 190 | 120  |      |     | 140 | 63 | 100 | 12 | 589 |    |     | 119 | 236 | 110 | 130 | 160 | 4   | 29     |

# F SERIES PUMP RANGE



CUCCHI GEAR TRANSFER PUMPS

## ∞ RANGE DIMENSIONS



| MODEL | Motor Size | kW   | A   | B   | C    | D    | E   | F   | G  | H  | I | L   | M  | N   | P   | WEIGHT |
|-------|------------|------|-----|-----|------|------|-----|-----|----|----|---|-----|----|-----|-----|--------|
| FM 5  | 63         | 0.26 | 100 | 125 | 78.5 | 1/2" | 108 | 80  | 40 | 63 | 7 | 284 | 46 | 96  | 152 | 7.8    |
| FT 10 | 63         | 0.26 | 100 | 125 | 78.5 | 3/4" | 115 | 80  | 40 | 63 | 7 | 301 | 58 | 113 | 152 | 8.5    |
| FM 10 | 71         | 0.37 | 112 | 136 | 86.5 |      |     | 90  | 45 | 71 |   | 324 |    |     | 177 | 10     |
| FT 15 | 71         | 0.37 | 112 | 136 | 86.5 | 3/4" | 115 | 90  | 45 | 71 | 7 | 334 | 58 | 123 | 177 | 10.5   |
| FM 15 | 71         | 0.55 |     |     |      |      |     |     |    |    |   |     |    |     | 177 | 12     |
| FT 25 | 71         | 0.55 | 112 | 136 | 86.5 | 3/4" | 119 | 90  | 45 | 71 | 7 | 344 | 70 | 133 | 177 | 12.5   |
| FM 25 | 80         | 0.75 | 125 | 153 | 95.5 |      |     | 100 | 50 | 80 | 7 | 369 |    |     | 195 | 14.5   |
| FT 40 | 80         | 0.75 | 125 | 153 | 100  | 1"   | 134 | 100 | 50 | 80 | 7 | 385 | 75 | 149 | 195 | 16     |
| FM 40 | 80         | 1.1  |     |     |      |      |     |     |    |    |   |     |    |     |     | 17.5   |
| FT 50 | 80         | 1.1  | 125 | 153 | 100  | 1"   | 134 | 100 | 50 | 80 | 7 | 385 | 75 | 149 | 195 | 17.5   |
| FM 50 | 90L        | 1.5  | 140 | 171 | 110  |      |     | 125 | 56 | 90 | 9 | 426 |    |     | 216 | 21     |
| FT 70 | 90L        | 1.5  | 140 | 171 | 110  | 1"   | 134 | 125 | 56 | 90 | 9 | 436 | 75 | 159 | 216 | 22     |
| FM 70 | 90L        | 2.2  |     |     |      |      |     |     |    |    |   |     |    |     |     | 23     |