

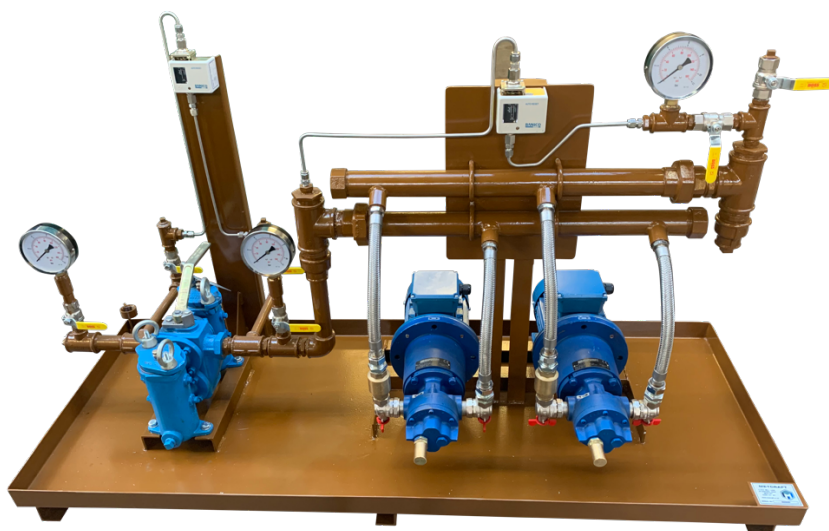


## Product Data Sheet

### APF Duty Standby Geared Pump Set

**METCRAFT**

Geared pumps are predominately used when there is a large head pressure, for example to pump fuel up a tall riser within a skyscraper to the generators on the roof of the building. Our pumps can pump multiple fluids including diesel fuel. Please see illustration of duty stand by pump set complete with optional duplex strainer, differential pressure switches and pressure gauges.



#### EXECUTION

Volumetric gear pumps with bell for coupling to B3/B14 motor with elastic joint available in three different constructions:

- Cast iron with shafts and gears in steel
- Bronze with shafts and gears in Inox AISI 316
- Inox AISI 316

Pumps can be coupled to any B3/B14 standard motor. Pumps can be available with safety by-pass valve. Inlet and outlet nozzles are aligned with same diameter. Self-priming pumps.

#### APPLICATION

Pumps for lubricant liquids without any suspended solid or abrasive substance.  
Max temperature of 100 °C for standard version. Max pressure 20 Bar.

Metcraft is a trading name of Metcraft Group LTD. Registered in England & Wales. Company Number: 11568765

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# METCRAFT

## FLOW RATES

| TYPE   | UP TO 10 BAR |      | UP TO 20 BAR |      | NB     |
|--------|--------------|------|--------------|------|--------|
|        | Q=LT/H       | KW   | Q=LT/MIN     | KW   |        |
| APF 5  | 300          | 0.25 | 250          | 0.37 | 1/2"   |
| APF 10 | 600          | 0.37 | 540          | 0.75 | 3/4"   |
| APF 15 | 900          | 0.55 | 720          | 1.1  | 3/4"   |
| APF 20 | 1200         | 0.75 | 1000         | 1.1  | 3/4"   |
| APF 25 | 1500         | 0.75 | 1300         | 1.5  | 3/4"   |
| APF 30 | 1800         | 1.1  | 1600         | 2.2  | 1"     |
| APF 40 | 2400         | 1.1  | 2100         | 2.2  | 1"     |
| APF 50 | 3000         | 1.5  | 2800         | 3    | 1" 1/4 |
| APF 60 | 3600         | 2.2  | 2600         | 4    | 1" 1/4 |

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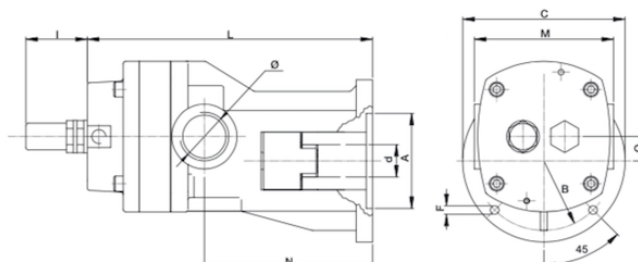
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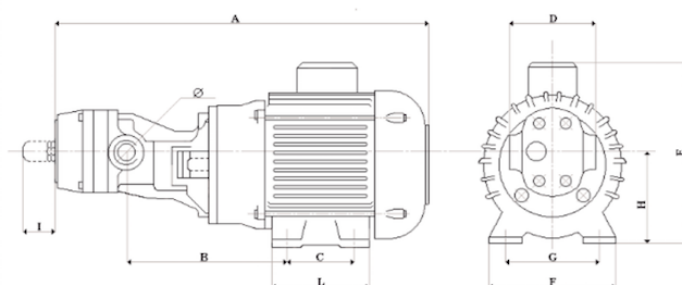


# METCRAFT

## DIMENSIONS AND WEIGHTS



| TYPE   | A   | B    | C   | d  | F   | I  | L   | M   | N   | O    | Ø      | KG.  |
|--------|-----|------|-----|----|-----|----|-----|-----|-----|------|--------|------|
| APF 5  | 71  | 42,5 | 105 | 14 | 6,5 | 50 | 167 | 113 | 103 | 15,5 | 1/2"   | 4,4  |
| APF 10 | 71  | 42,5 | 105 | 14 | 6,5 | 50 | 177 | 113 | 103 | 15,5 | 3/4"   | 4,8  |
|        | 80  | 50   | 120 |    |     |    |     |     |     |      |        | 5    |
| APF 15 | 80  | 50   | 120 | 14 | 6,5 | 50 | 187 | 113 | 103 | 15,5 | 3/4"   | 5,5  |
|        | 90  | 57,5 | 140 |    |     |    |     |     |     |      |        | 5,8  |
| APF 20 | 80  | 50   | 120 | 14 | 6,5 | 50 | 192 | 113 | 103 | 15,5 | 3/4"   | 5,7  |
|        | 90  | 57,5 | 140 |    |     |    |     |     |     |      |        | 6    |
| APF 25 | 80  | 50   | 120 | 14 | 6,5 | 50 | 207 | 113 | 103 | 15,5 | 3/4"   | 5,9  |
|        | 90  | 57,5 | 140 |    |     |    |     |     |     |      |        | 6,3  |
| APF 30 | 90  | 50   | 120 | 14 | 6,5 | 50 | 248 | 123 | 145 | 21   | 1"     | 10,5 |
|        | 100 | 57,5 | 140 |    | 8,5 |    |     |     |     |      |        | 10,8 |
| APF 40 | 90  | 57,5 | 100 | 14 | 8,5 | 50 | 257 | 122 | 145 | 21   | 1"     | 11,5 |
|        | 100 |      |     |    |     |    |     |     |     |      |        |      |
| APF 50 | 90  | 57,5 | 140 | 14 | 8,5 | 50 | 266 | 122 | 145 | 21   | 1 1/4" | 12   |
|        | 100 | 65   | 160 |    |     |    | 276 |     | 155 |      |        | 12,5 |
| APF 60 | 100 | 57,5 | 140 | 14 | 8,5 | 50 | 276 | 122 | 145 | 21   | 1 1/4" | 12,4 |
|        | 112 | 65   | 160 |    |     |    | 286 |     |     |      |        | 13   |



| TYPE   | GR<br>MOTORE | A   | B   | C   | D   | E     | F   | G   | H     | I  | L   | Ø      | KG.  |
|--------|--------------|-----|-----|-----|-----|-------|-----|-----|-------|----|-----|--------|------|
| APF 5  | 71           | 380 | 148 | 90  | 113 | 179,5 | 135 | 112 | 86,5  | 50 | 109 | 1/2"   | 9,5  |
| APF 10 | 71           | 390 | 148 | 90  | 113 | 179,5 | 135 | 112 | 86,5  | 50 | 109 | 3/4"   | 9,9  |
|        | 80           | 414 | 153 | 100 |     | 211   | 154 | 125 | 95,5  |    | 125 |        | 14,2 |
| APF 15 | 80           | 424 | 153 | 100 | 113 | 211   | 154 | 125 | 95,5  | 50 | 125 | 3/4"   | 14,7 |
|        | 90           | 444 | 159 |     |     | 229,5 | 170 | 140 | 105,5 |    | 125 |        | 22,3 |
| APF 20 | 80           | 429 | 153 | 100 | 113 | 211   | 154 | 125 | 95,5  | 50 | 125 | 3/4"   | 14,9 |
|        | 90           | 449 | 159 |     |     | 229,5 | 170 | 140 | 105,5 |    | 125 |        | 21,5 |
| APF 25 | 80           | 434 | 153 | 100 | 113 | 211   | 154 | 125 | 95,5  | 50 | 125 | 3/4"   | 15,1 |
|        | 90           | 457 | 159 |     |     | 247   | 192 | 160 | 105,5 |    | 125 |        | 24   |
| APF 30 | 90           | 505 | 201 | 100 | 123 | 211   | 154 | 125 | 111   | 50 | 125 | 1"     | 19,7 |
|        | 100          | 561 | 208 | 140 |     | 247   | 192 | 160 | 121   |    | 166 |        | 38,3 |
| APF 40 | 90           | 539 | 201 | 100 | 123 | 229,5 | 170 | 140 | 111   | 50 | 125 | 1"     | 27   |
|        | 100          | 570 | 208 | 140 |     | 247   | 192 | 160 | 121   |    | 166 |        | 39   |
| APF 50 | 90           | 548 | 201 | 100 | 123 | 229,5 | 170 | 140 | 111   | 50 | 125 | 1 1/4" | 27,5 |
|        | 100          | 588 | 218 | 140 |     | 274,5 | 220 | 190 | 133   |    | 166 |        | 39,9 |
| APF 60 | 100          | 589 | 208 | 140 | 123 | 247   | 192 | 160 | 121   | 50 | 166 | 1 1/4" | 39,9 |
|        | 112          | 618 | 225 |     |     | 274,5 | 220 | 190 | 133   |    | 175 |        | 49   |

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