



# END-SUCTION PRODUCT RANGE

CPM/SCM  
SINGLE STAGE PUMP

DK  
SINGLE STAGE PUMP



## CPM/SCM/DK SINGLE STAGE PUMPS

### APPLICATIONS

Single impeller centrifugal pumps suitable to meet any small, medium or large capacity requirements. These pumps are used for domestic, agricultural and industrial purposes. They are also often used for sprinkler and flood irrigation systems in gardening and agriculture.

### OPERATING LIMITS

Suction lift up to 6-8m with foot valve  
Maximum operating pressure: 8bar  
Maximum ambient temperature: +40°C  
Liquid temperature up to: +90°C

### MOTOR

Single phase power supply with capacitor permanently activated  
Insulation class: B  
Protection: IP44  
Speed of rotation: 2850rpm  
Continuous duty: S1

### DESIGN FEATURES

Pump body: cast iron  
Impeller: Brass  
Motor shaft: AISI1045  
Mechanical Seal: NBR/Graphite/Ceramic

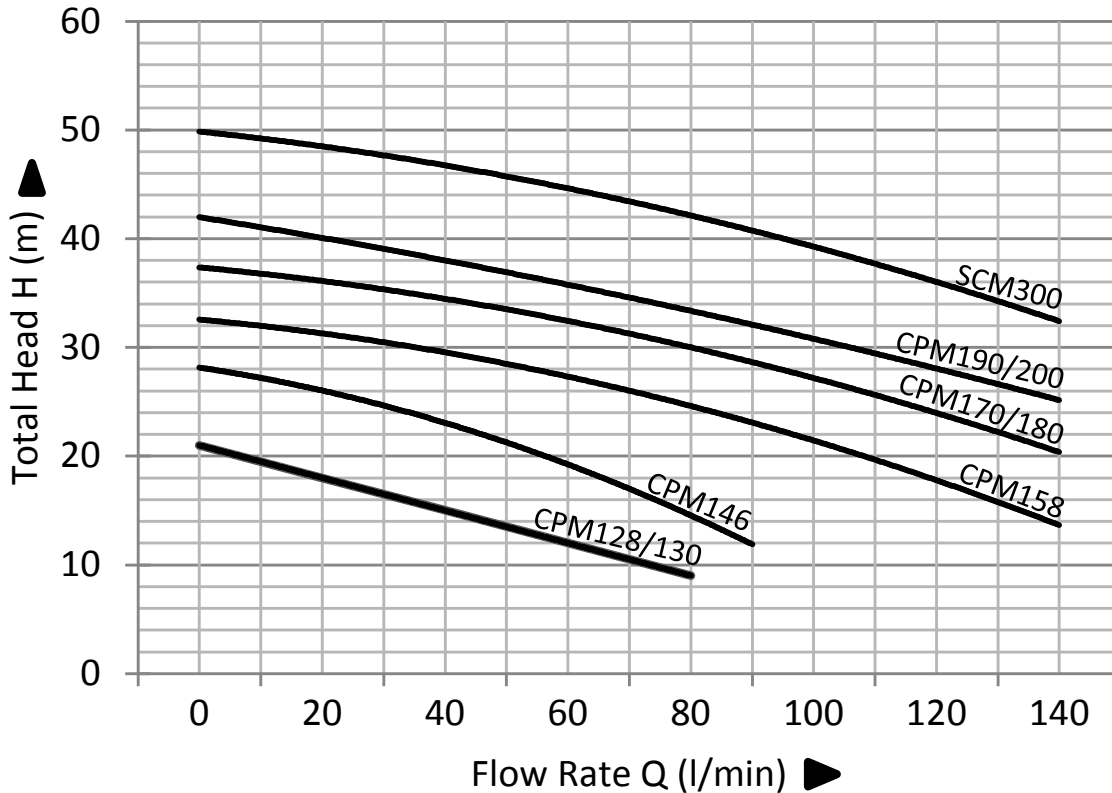
### PRODUCT STANDARD

IEC 60034-1  
IEC 335-1  
IEC 34-1  
ISO 2548

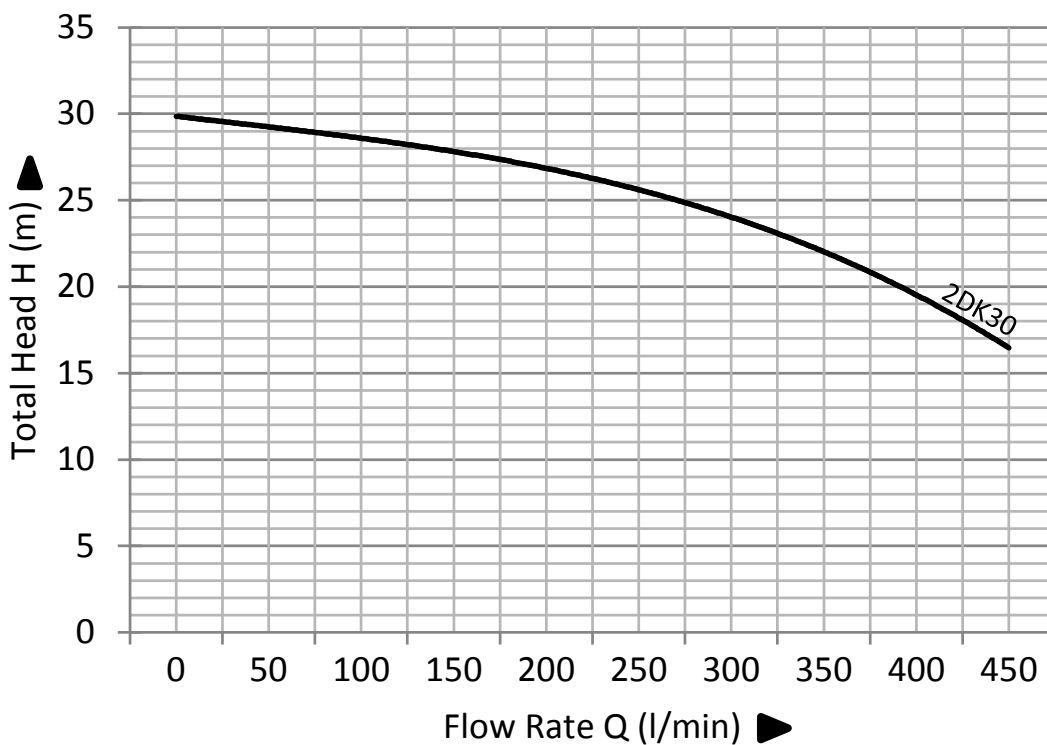


## PERFORMANCE CURVES

### CPM/SCM SINGLE STAGE PUMPS



### DK SINGLE STAGE PUMPS

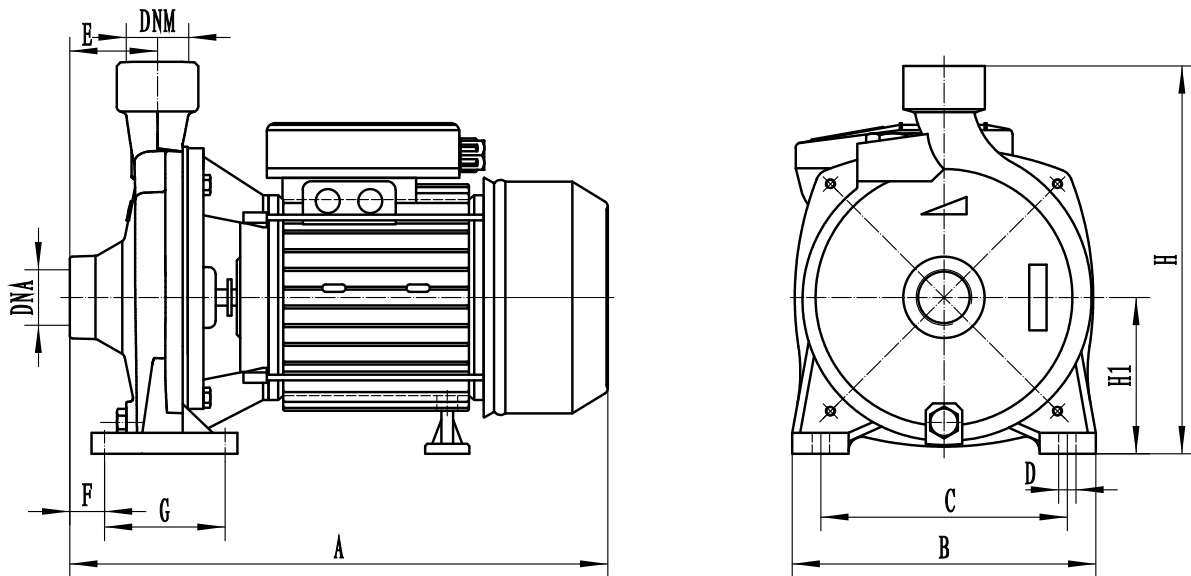


## PERFORMANCE DATA

| TYPE       | POWER |      | $\mu$ F | AMPERE<br>I MAX. | Q<br>(l/min)<br>(m³/h) | 0    | 20   | 40   | 60   | 80   | 100  | 120  | 140 | DNA     | DNM   | PACKAGE DIMENSION<br>LXWXH (mm) |     |     |
|------------|-------|------|---------|------------------|------------------------|------|------|------|------|------|------|------|-----|---------|-------|---------------------------------|-----|-----|
|            | HP    | kW   |         |                  |                        | 0    | 1.2  | 2.4  | 3.6  | 4.8  | 6.0  | 7.2  | 8.4 |         |       |                                 |     |     |
| CPM128/130 | 0.5   | 0.37 | 12      | 2.1              | H(m)                   | 20   | 18   | 15   | 11.9 | 7    | -    | -    | -   | 1"      | 1"    | 290                             | 185 | 240 |
| CPM146     | 0.75  | 0.55 | 16      | 4.0              |                        | 28   | 25   | 24   | 21   | 13   | -    | -    | -   | 1"      | 1"    | 310                             | 195 | 250 |
| CPM158     | 1     | 0.75 | 20      | 5.0              |                        | 32   | 31   | 30   | 28   | 26   | 22.5 | 17.5 | -   | 1"      | 1"    | 320                             | 220 | 270 |
| CPM170/180 | 1.5   | 1.1  | 30      | 7.0              |                        | 37.5 | 36   | 34   | 32   | 30   | 27   | 24   | -   | 1.5"/1" | 1"/1" | 365                             | 235 | 300 |
| CPM190/200 | 2     | 1.5  | 30      | 8.2              |                        | 42   | 40   | 38   | 36   | 33.5 | 31   | 28   | -   | 1.5"/1" | 1"/1" | 365                             | 255 | 330 |
| SCM300     | 3     | 2.2  | 45      | 10.5             |                        | 50   | 48.2 | 46.5 | 45   | 42   | 39   | 35   | 32  | 1.5"    | 1"    | 375                             | 260 | 315 |

| TYPE  | POWER |     | $\mu$ F | AMPERE<br>I MAX. | Q<br>(l/min)<br>(m³/h) | 0  | 50   | 100 | 150 | 200 | 250  | 300 | 350 | 400  | 450  | DNA | DNM | PACKAGE DIMENSION<br>LXWXH (mm) |     |     |
|-------|-------|-----|---------|------------------|------------------------|----|------|-----|-----|-----|------|-----|-----|------|------|-----|-----|---------------------------------|-----|-----|
|       | HP    | kW  |         |                  |                        | 0  | 3    | 6   | 9   | 12  | 15   | 18  | 21  | 24   | 27   |     |     |                                 |     |     |
| 2DK30 | 3     | 2.2 | 45      | 10.2             | H(m)                   | 30 | 29.5 | 29  | 28  | 27  | 25.5 | 24  | 22  | 19.2 | 16.5 | 2"  | 2"  | 400                             | 235 | 305 |

## CPM SINGLE STAGE PUMPS DIAGRAM

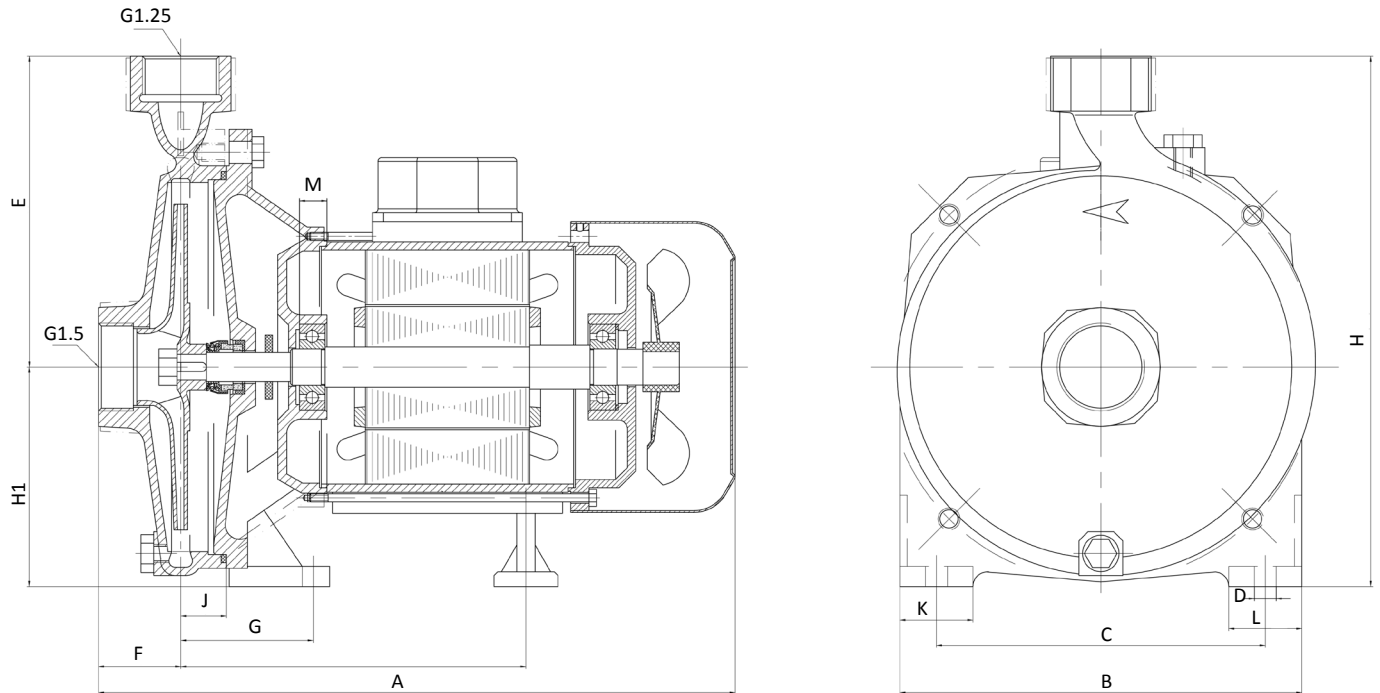


## DIMENSIONS

| MODEL      | DIMENSIONS (mm) |    |      |    |     |     |     |    |     |     |      |    |    |
|------------|-----------------|----|------|----|-----|-----|-----|----|-----|-----|------|----|----|
|            | DNA             |    | DNM  |    | A   | B   | C   | D  | H1  | H   | E    | F  | G  |
|            | INCH            | mm | INCH | mm |     |     |     |    |     |     |      |    |    |
| CPM128/130 | 1"              | 25 | 1"   | 25 | 270 | 170 | 135 | 10 | 88  | 220 | 44.5 | -  | -  |
| CPM146     | 1"              | 25 | 1"   | 25 | 294 | 175 | 142 | 10 | 90  | 224 | 47.5 | -  | -  |
| CPM158     | 1"              | 25 | 1"   | 25 | 303 | 190 | 167 | 10 | 98  | 243 | 42.5 | -  | -  |
| CPM170/180 | 1"              | 25 | 1"   | 25 | 358 | 215 | 180 | 12 | 110 | 276 | 55   | 24 | 62 |
| CPM190/200 | 1"              | 25 | 1"   | 25 | 358 | 230 | 200 | 12 | 120 | 300 | 55   | 24 | 62 |

# SCM300 SINGLE STAGE PUMPS

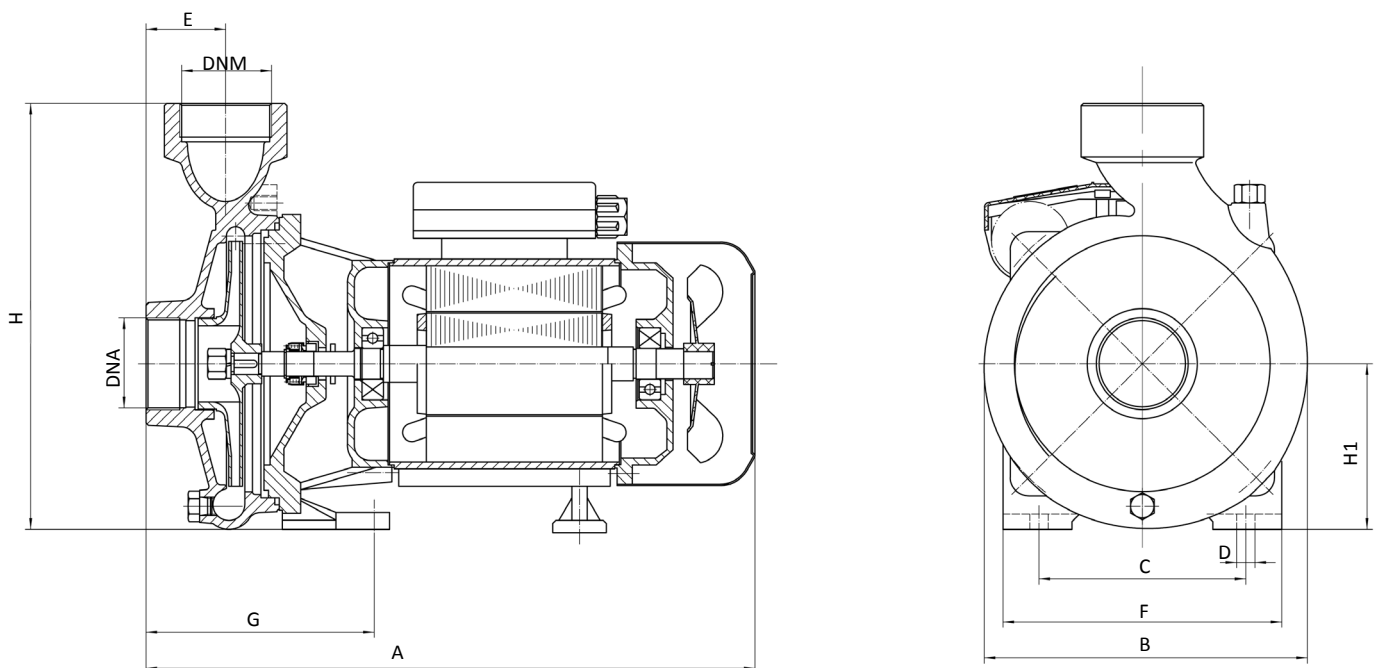
## DIAGRAM & DIMENSIONS



| MODEL  | DIMENSIONS (mm) |     |     |    |     |    |      |     |     |    |    |    |    |
|--------|-----------------|-----|-----|----|-----|----|------|-----|-----|----|----|----|----|
|        | A               | B   | C   | D  | E   | F  | G    | H   | H1  | J  | K  | L  | M  |
| SCM300 | 350             | 220 | 180 | 12 | 170 | 45 | 72.5 | 290 | 120 | 25 | 40 | 40 | 15 |

# 2DK30

## DIAGRAM & DIMENSIONS



| MODEL | DIMENSIONS (mm) |     |     |    |    |     |     |     |     |     |     |
|-------|-----------------|-----|-----|----|----|-----|-----|-----|-----|-----|-----|
|       | A               | B   | C   | D  | E  | F   | G   | H   | H1  | DNA | DNM |
| 2DK30 | 397.5           | 210 | 135 | 12 | 52 | 182 | 149 | 278 | 108 | 2"  | 2"  |