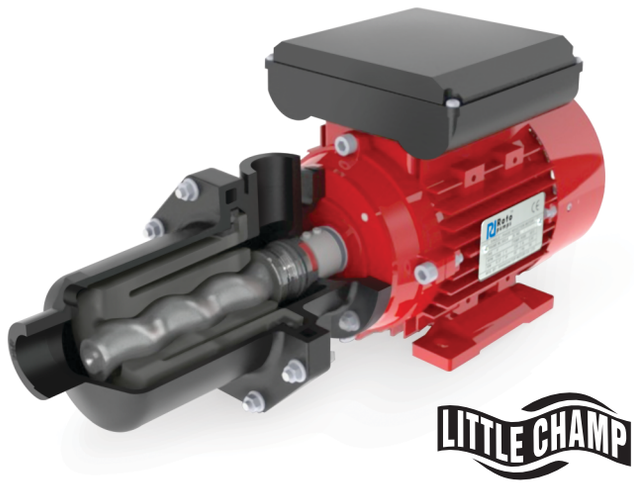
Roto pumps
since 1968

WE COMPETE WITH ONLY ONE PUMP




# DC Series Pumps

# TASK MASTER FOR LIGHT INDUSTRIAL AND DOMESTIC APPLICATIONS

Roto's Little Champ pump range has been developed for general purpose pumping applications that demand high performance and durability. These multi taskers can be used for dosing, transfer and injection duties for a wide variety of fluids. These pumps are available in 4 sizes with flow rates, ranging from 780 L/Hour — 7980 L/Hour and pressures upto 2.8 bar.

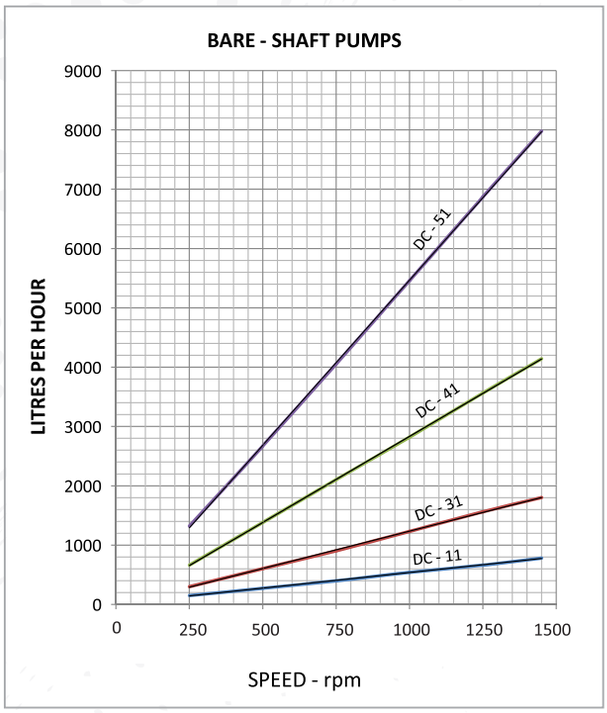
## Typical Applications

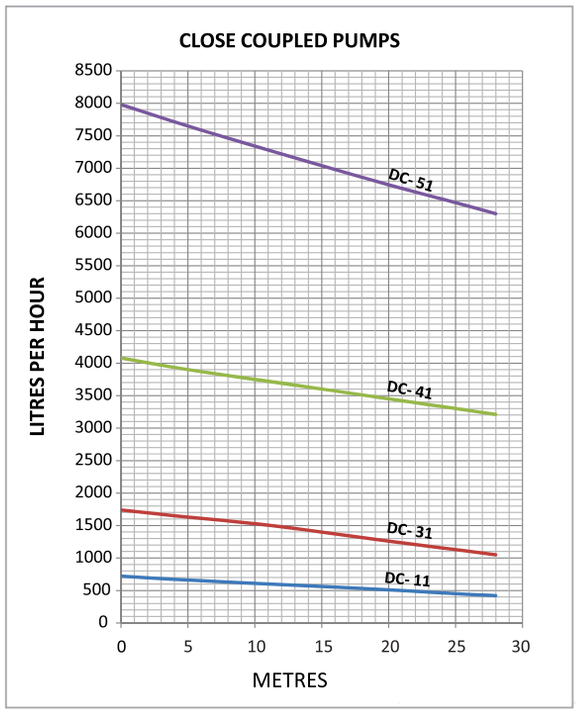
- Transfer and dosing of chemicals and alkalies
- Transfer duties in food processing, winery and vegetable oils
- Drainage of septic tanks
- Feeding to oily water separators
- Drawing water from wells, creeks or shallow bores
- Hosing down of cattle and stock sheds
- Automatic water pressure systems
- Brine injection
- Feeding ponds and sprinkler systems
- Diesel transfer
- Handling surfactants and detergents

## Distinctive Design Features and Benefits

- Flow is directly proportional to the speed
- Excellent suction lift capabilities
- Low shear and linear flow
- Can handle liquid with varying viscosity
- Can handle liquid with fine solids
- Minimum impact on efficiencies with varying heads

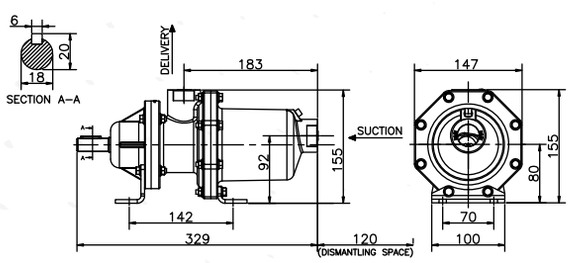
# PERFORMANCE CURVES



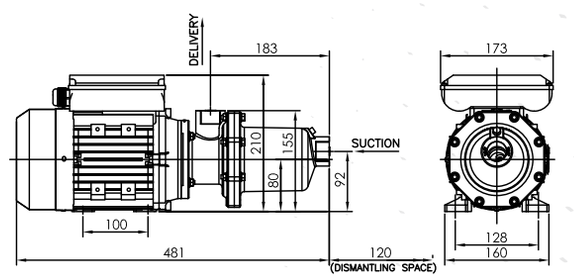




## Dimensional details

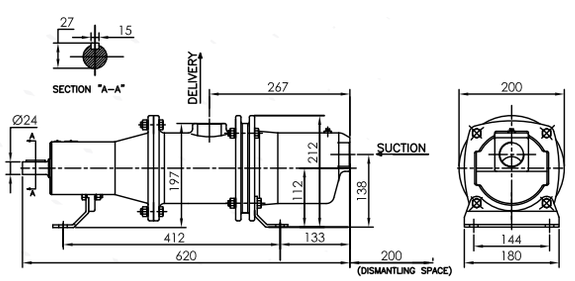
DCAC-011/031



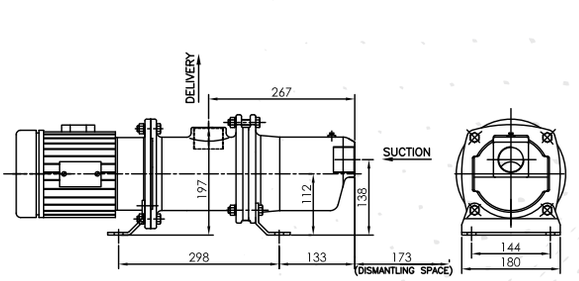

DCCC-011/031




DCAA-041/051




DCCA-041/051




ALL DIMENSIONS ARE IN MM

| Pump Type | Port Size | Pump Weight Kgs (approx.) | | Motor Rating (KW) | Max. Suction Lift | Max. Flow | Max. Pressure |
|---|---|---|---|---|---|---|---|
| | | Bare Shaft | Closed Coupled | | | | |
| DC-11 | 1” BSP | 2.6 | 10.3 | 0.37 | 7.5 Meter | 800 LPH | 28 Metres |
| DC-31 | 1” BSP | 3.0 | 10.7 | 0.37 | 6.5 Meter | 1800 LPH | 28 Metres |
| DC-41 | 1.5” BSP | 28.1 | 31.0 | 0.75 | 5.5 Meter | 4150 LPH | 28 Metres |
| DC-51 | 1.5” BSP | 28.5 | 31.5 | 1.1 | 4.5 Meter | 8000 Litres | 28 Metres |

*Overrated motors

Roto pumps since 1968

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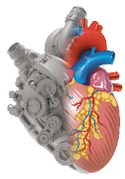
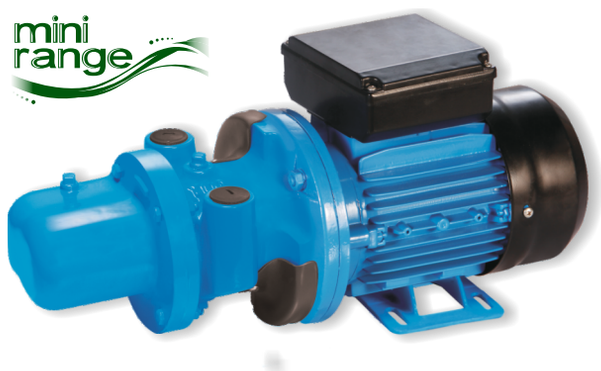


mini range



# MC Series Pumps

# BEST FIT FOR TRANSFER DUTIES IN DOMESTIC & INDUSTRIAL APPLICATIONS

Precision-engineered for efficiently handling applications with small capacity and low pressure requirements. These self-priming pumps are ideal for both domestic and industrial use and provide an impressive suction lifts of up to 8 meters. Their simple design and robust construction results in extended pump life with low maintenance. Available in three sizes with maximum capacity of up to 9000 LPH and maximum pressure of up to 3.5 bar.

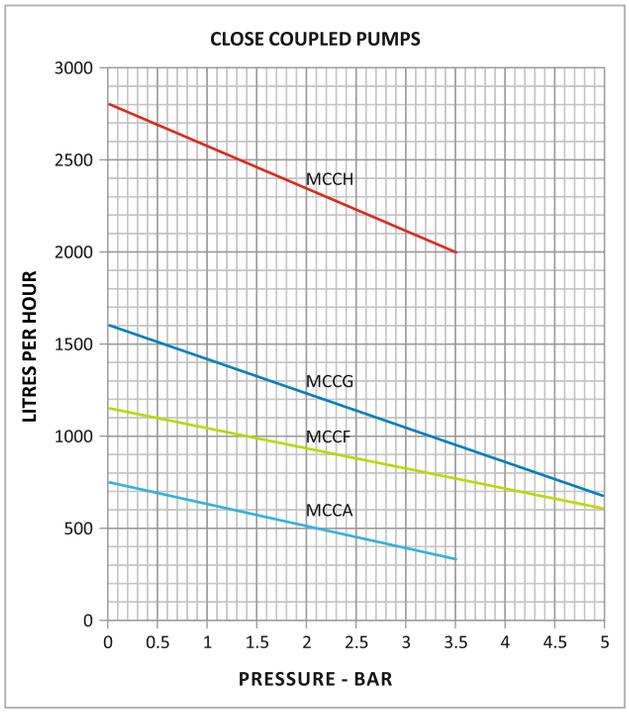
## Typical Applications

- Drainage Septic tank/cess pits
- Feeding to Garden sprinkler systems/irrigation
- Drawing water from wells, streams and rivers
- Diesel Transfer
- Feeding to oily water separators
- Transfer and dosing of non aggressive chemicals and alkalies
- Transfer of water based inks
- Transfer duties in food processing, winery and Vegetable oils
- Transfer of liquids with small solids in suspension
- Transfer of polyelectrolyte
- Handling surfactants and detergents

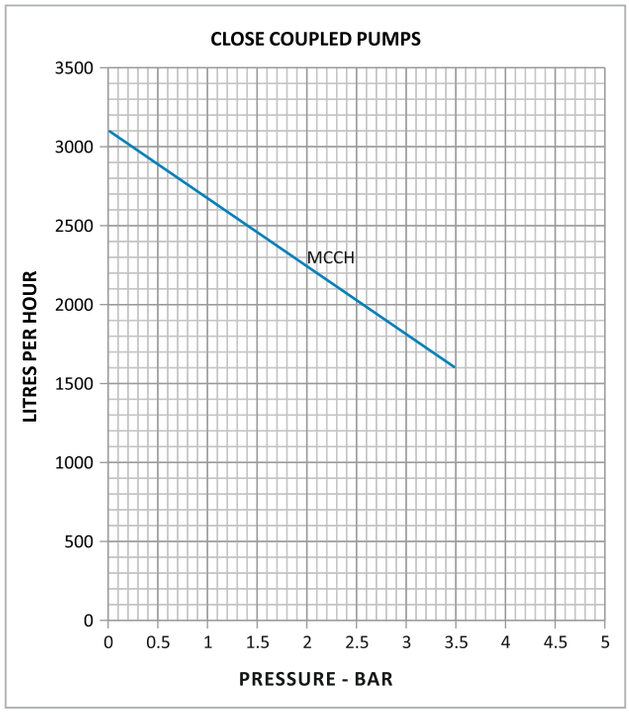
## Distinctive Design Features and Benefits

- Flow is directly proportional to the speed
- Excellent suction lifts capability up to 8m
- Minimal pulsation avoids damage to shear sensitive products
- Can handle liquids with fine solids
- Minimum impact with efficiencies with varying heads
- Simple In design and easy to dismantle
- Low maintenance cost

# PERFORMANCE CURVES



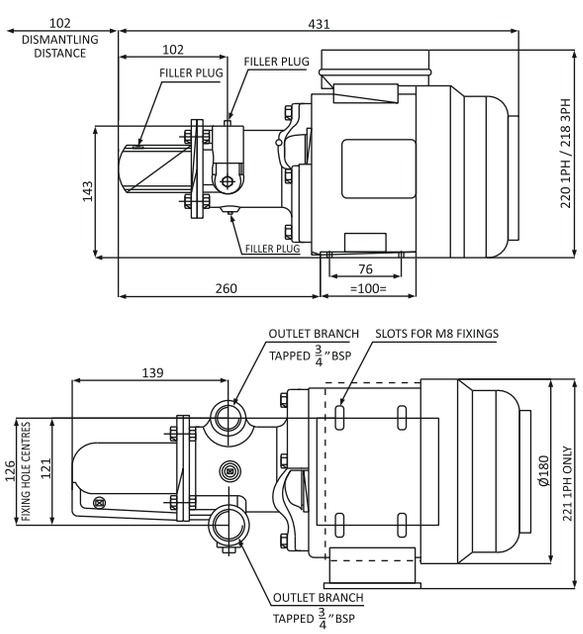

Tested on water at 20° and 1450 rpm



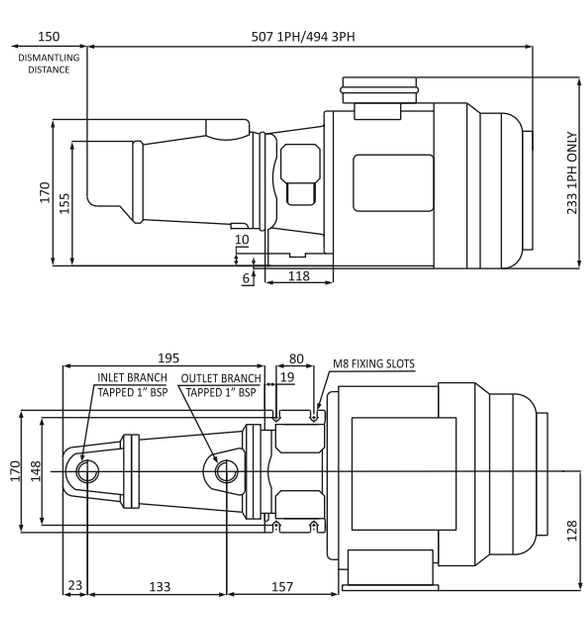

Tested on water at 20° and 2900 rpm

## Dimensional details

MCCA




MCCF/MCCG/MCCH/MCCL




ALL DIMENSIONS ARE IN MM

| Pump Model | Port Size | Motor Rating (KW) | Voltage (V) | Frequency (Hz) | Phase | Pole | Max. Suction Lift (m) | Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| MCCA | ¾" BSP | 0.18 | 240 | 50 | 1Φ | 4 | 8 | 12 |
| MCCF | 1" BSP | 0.37 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 7.5 | 14 |
| MCCG | 1" BSP | 0.55 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 7.5 | 14 |
| MCCH | 1" BSP | 0.75 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 7.5 | 15 |
| MCCL | 1" BSP | 0.75 | 115/240/415 | 50/60 | 1Φ/3Φ | 2 | 4.5 | 15 |

Notes:

* The 6 & 8 pole motors are available as an option on the MCCF, MCCG & MCCH pumps only.
* 115V, 415V, 50Hz & 60Hz motors are available on customer demand.

Roto pumps
since 1968

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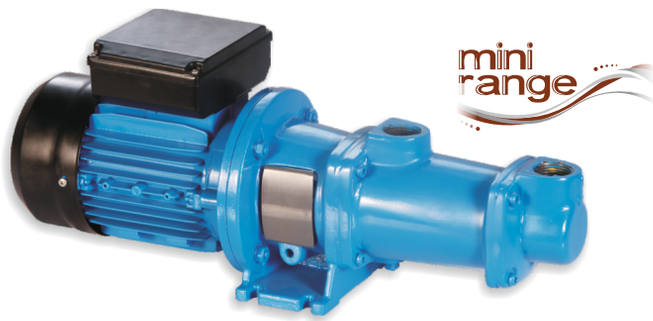



# SC Series Pumps

# PUMPING WITH PRECISION

## The Right Fit for Transfer Duties in Domestic and Industrial Applications

Precision-engineered for efficiently handling applications with small capacity and low pressure requirements. These self-priming pumps are ideal for both domestic and industrial use and provide an impressive suction lifts of up to 8 meters. Their simple design and robust construction results in extended pump life with low maintenance. Available in three sizes with maximum capacity of up to 9000 LPH and maximum pressure of up to 3.5 bar.

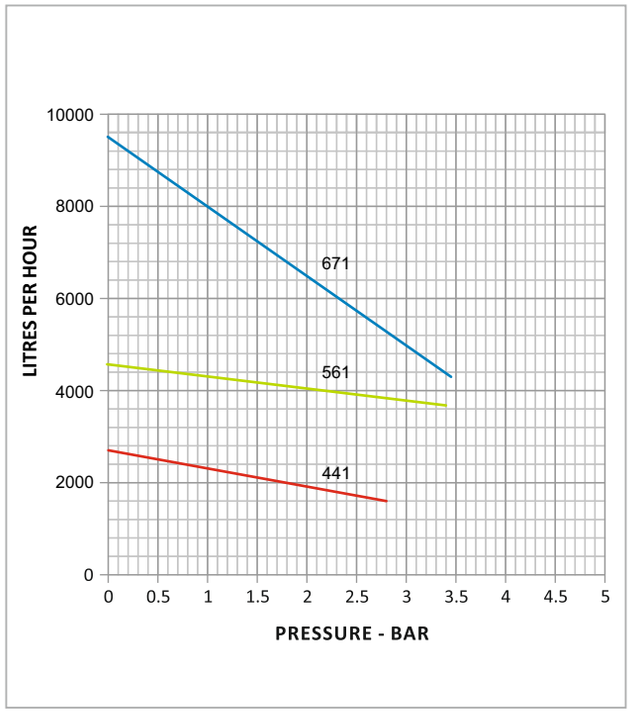
### Typical Applications

- Drainage Septic tank/cess pits
- Feeding to Garden sprinkler systems/irrigation
- Drawing water from wells, streams and rivers
- Diesel Transfer
- Feeding to oily water separators
- Transfer and dosing of non aggressive chemicals and alkalies
- Transfer of water based inks
- Transfer duties in food processing, winery and Vegetable oils
- Transfer of liquids with small solids in suspension
- Transfer of polyelectrolyte
- Handling surfactants and detergents

### Distinctive Design Features and Benefits

- Flow is directly proportional to the speed
- Excellent suction lifts capability up to 8m
- Minimal pulsation avoids damage to shear sensitive products
- Can handle liquids with fine solids
- Minimum impact with efficiencies with varying heads
- Simple In design and easy to dismantle
- Low maintenance cost

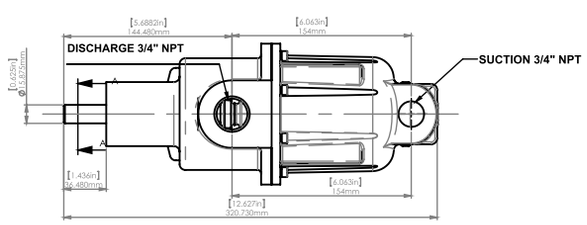
## PERFORMANCE CURVES



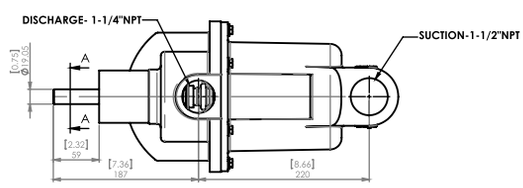

Tested on water at 20° and 1450 rpm

## Dimensional details

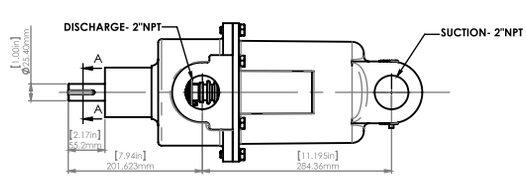
SCAA-441




SCAA-561




SCAA-671




ALL DIMENSIONS ARE IN MM

| Pump Model | Port Size | | Motor Rating (KW) | Voltage (V) | Frequency (Hz) | Phase | Pole | Max. Suction Lift. (m) | Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | Suction | Discharge | | | | | | | |
| SCAA 441 | 3/4" NPT | 3/4" NPT | 0.37 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 8 | 8 |
| SCAA 561 | 1-1/2" NPT | 1-1/4" NPT | 0.75 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 7.5 | 10 |
| SCAA 671 | 2" NPT | 2" NPT | 1.5 | 115/240/415 | 50/60 | 1Φ/3Φ | 4 | 7.5 | 14 |