

MC 10

submersible DOUBLE CHANNEL impeller pump (for sewage)

Submersible high efficiency DOUBLE CHANNEL impeller pump for professional use. Built using quality materials and oversized, extremely reliable and suitable for continuous heavy duty service. (for sewage)



PERFORMANCE RANGE

Flow rate up to 500 l/min (30 m³/h)
Dynamic head up to 12 m

OPERATING LIMITS

Maximum operating depth 5 m below water level
Fluid temperature up to + 50°C
Maximum passage for suspended solids Ø 50 mm

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1
IEC 335-1
CEI 61-150

EN 60034-1
IEC 34-1
CEI 2-3



PUMP INSTALLATION AND APPLICATIONS

THE MC 10 SUBMERSIBLE PUMP IS DESIGNED TO HANDLE DIRTY WATER AND SEWAGE IN DOMESTIC AND CIVIL APPLICATIONS. IT IS FITTED WITH A STAINLESS STEEL "TWO CHANNEL" IMPELLER, AND IS SUITABLE FOR PUMPING LIQUIDS CONTAINING SUSPENDED SOLIDS, INCLUDING SHORT FIBERS. IT IS PARTICULARLY RECOMMENDED FOR THE TRANSFER OF DOMESTIC SLUDGE, REFLUENT AND SURFACE WATER, WATER MIXED WITH MUD IN AREAS SUCH AS: DOMESTIC HOUSING, INDUSTRIAL APPLICATIONS AND UNDERGROUND CAR PARKS.

This pump is particularly dependable in fixed installations intended for automatic use. a purpose built pit with minimum dimensions 500x500x500h mm is recommended for fixed installations.

WARRANTY: 1 YEAR

(according to our general sales conditions).

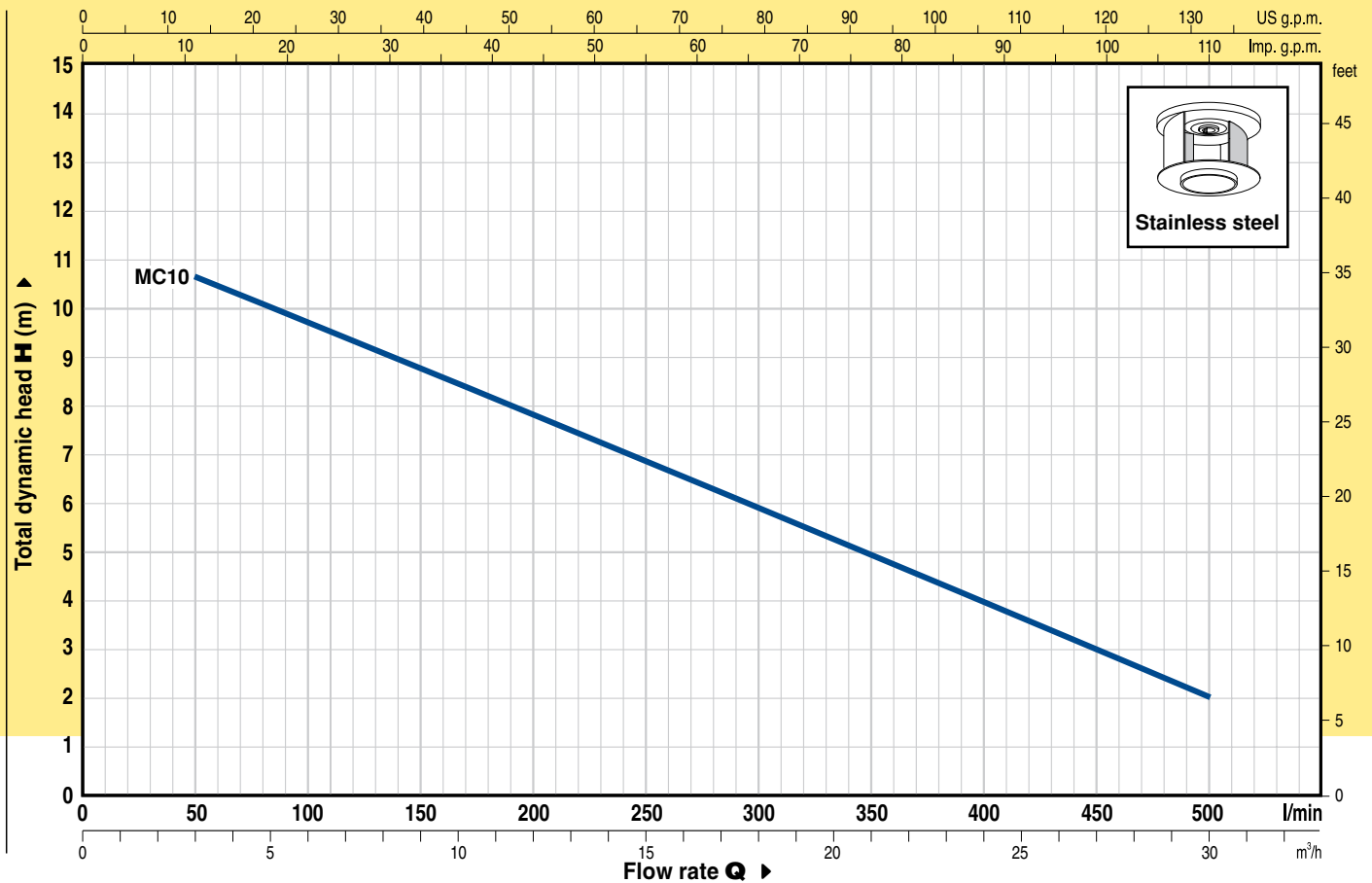
STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 2" gas threaded delivery opening.
- **MOTOR SLEEVE:**
AISI 304 stainless steel.
- **BASE:**
AISI 304 stainless steel.
- **TWO CHANNEL IMPELLER:**
AISI 304 stainless steel.
- **MOTOR SHAFT:**
AISI 430F stainless steel.
- **DOUBLE MECHANICAL SEAL:**
silicon carbide/silicon carbide on the pump side and sealing ring on the motor side (with barrier oil chamber to lubricate and cool the sealing surfaces in the absence of water).
- **MOTOR:**
sealed induction with double impregnated class F winding (ensuring extended motor life and wide range of use), designed for continuous duty, even with the pump partially submerged (min. 250 mm). The thermal cutout relay (motor protector) is incorporated in the single phase model.
- **PROTECTION:**
IP 68.
- **SUPPLY CABLE:**
"H07 RN-F" neoprene submersible. Supplied standard with 5 meters of cable, and SCHUKO plug on single phase versions.
- **EXTERNAL FLOAT SWITCH:**
standard equipment.

SPECIAL FEATURES ON REQUEST:

⇒ 10 meters supply cable, for pumps intended for outdoor use, length compulsory according to EN 60335-2-41

PERFORMANCE CHART AT n= 2900 1/min

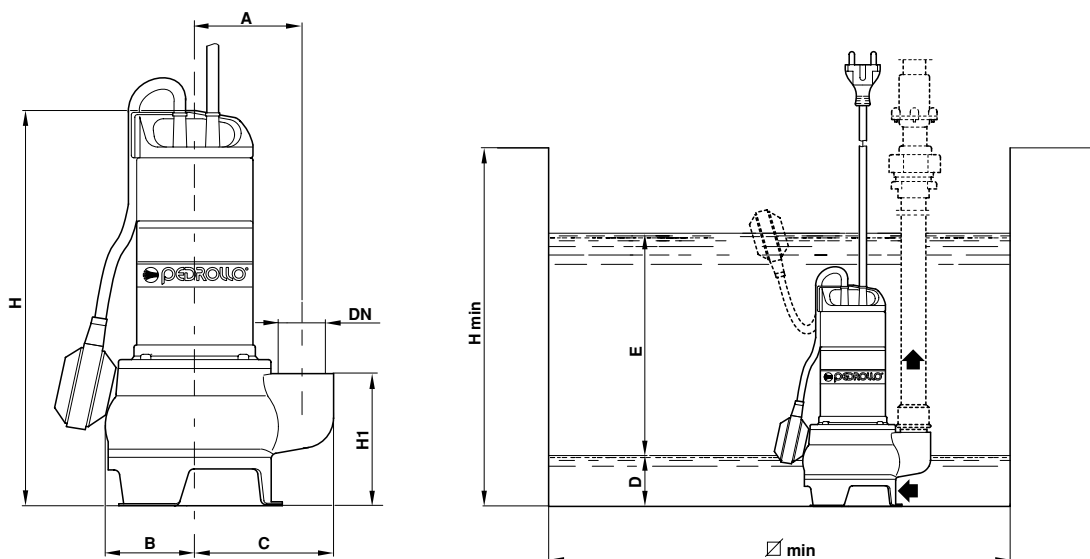


PERFORMANCE DATA AT n= 2900 1/min

| PUMP MODEL | | POWER | | Q | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
|--------------|-------------|-------|----|-------------------|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Single phase | Three phase | kW | HP | m ³ /h | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| | | | | H | 12 | 10.7 | 9.7 | 8.7 | 7.8 | 6.8 | 5.9 | 5 | 4 | 3 | 2 |
| MCm 10 | MC 10 | 0.75 | 1 | (m) | | | | | | | | | | | |

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

| PUMP MODEL | | DN | maximum suspended solid size | DIMENSIONS mm | | | | | | | | |
|--------------|-------------|----|------------------------------|---------------|----|-----|-----|-----|-------|------------|-------|-------|
| Single phase | Three phase | | | A | B | C | H | H1 | D min | E | H min | ∅ min |
| MCm 10 | MC 10 | 2" | ∅ 50 mm | 110 | 90 | 150 | 410 | 153 | 55 | Adjustable | 500 | 500 |