



ITT

ROBOT PUMPS

Channel pump

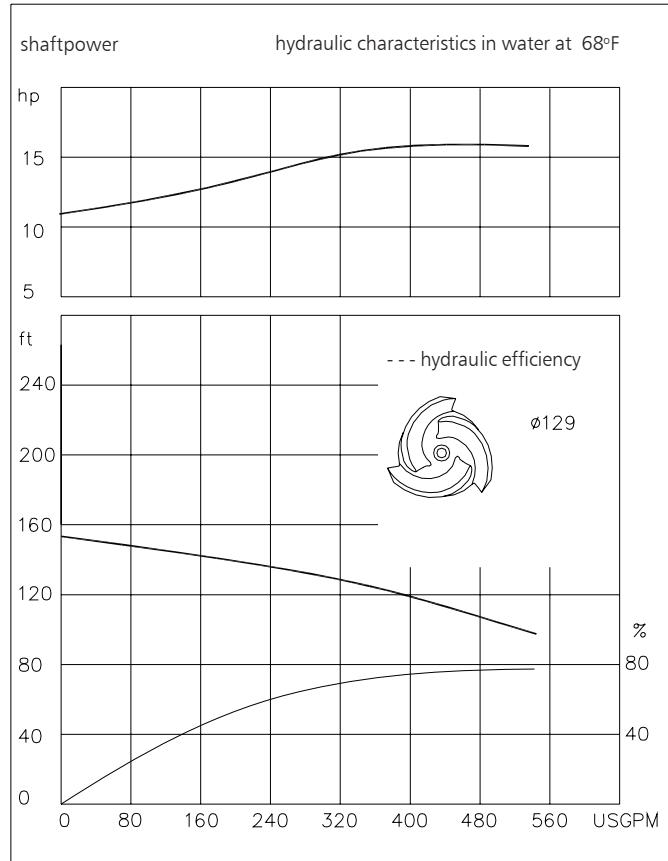
RC4115BZ

60 Hz

The channel impeller pumps are designed to pump lightly contaminated waste water at high efficiencies. RC pumps are equipped with an open channel impeller running against an adjustable suction cover. Excellent for drainage or leakage water.

| | |
|--------------------------|------------------------------------|
| Pump | 3 channels |
| solids passage | : 1 ³ / ₁₆ " |
| suction diameter | : 3 ¹ / ₈ " |
| discharge diameter | : 3 ¹ / ₈ " |
| impeller code | : 129 |
| recommended minimum flow | : 55 USGPM |

| | |
|----------------------------------|--------------------|
| Motor | |
| rated horse power | : 19.7 hp |
| rated electrical power | : 16.7 kW |
| rated kVA | : 19.2 kVA |
| mains | : 60 c/s - 3 phase |
| speed | : 3500 rpm |
| rated efficiency | : 88 % |
| rated power factor (cos phi) | : 0.87 |
| degree of protection | : IP 68 |
| isolation class | : F (311 °F) |
| max. water temperature | : 104 °F |
| (higher temperatures on request) | |
| standard cable length | : 33 ft |
| max. submersion depth | : 66 ft |



| | |
|------------------|-----------------------------------|
| Materials | |
| motor housing | : 1 |
| seal housing | : 1 |
| volute | : 1 |
| impeller | : 1 5 |
| suction cover | : 1 |
| shaft | : 3 5 |
| bolts | : 4 5 |
| elastomers | : 8+9 10 |
| electrical cable | : 9 |
| mechanical seals | : oil lubricated |
| pump seal | : silicon carbide-silicon carbide |
| motor seal | : carbon-ceramic |

| | | |
|----|--------------------------|-----------------------|
| 1 | cast iron | ASTM A-48 Cl.35 |
| 2 | sg cast iron | ASTM A445 Gr.60-46-18 |
| 3 | stainless steel | AISI 431 |
| 4 | stainless steel | AISI 304 |
| 5 | stainless steel | AISI 316 |
| 6 | stainless steel | AISI 329 |
| 7 | wear resistant sg iron | HB500 |
| 8 | nitrile | (NBR) |
| 9 | chlorinated polyethylene | (CPE) |
| 10 | viton | (FPM) |

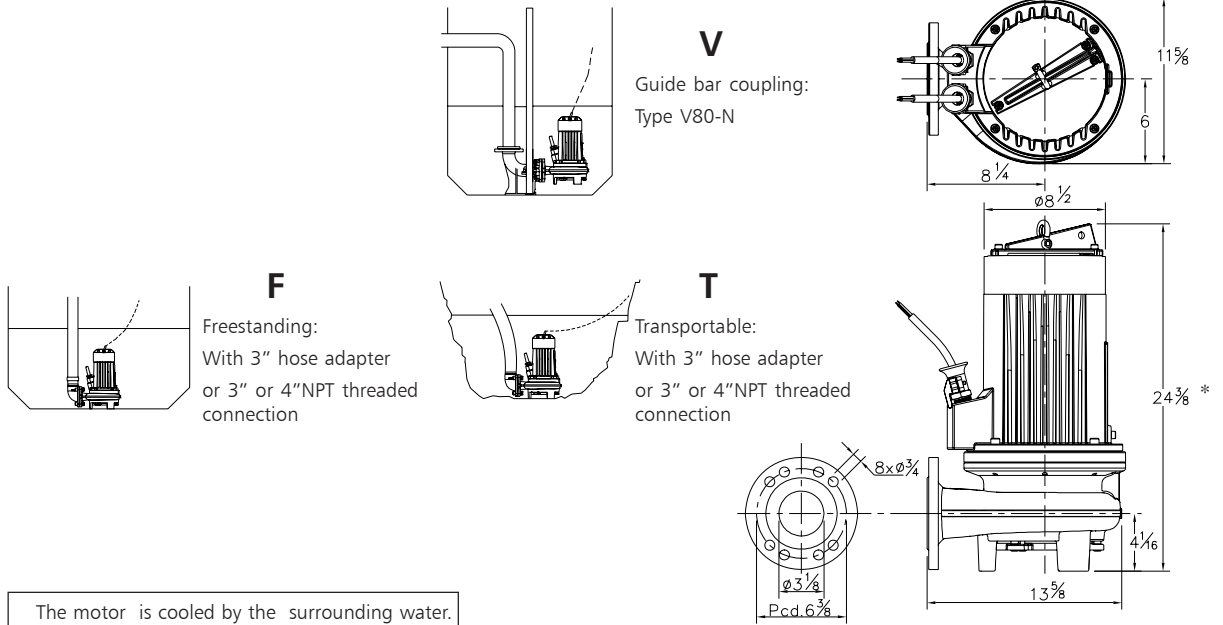
www.ittwalphen.com

Engineered for life



Installation options

RC4115BZ



Version

Weight

| | | |
|----------|--|---------|
| B | Basic | 220 lbs |
| P | FM approved version | 262 lbs |
| | Certified according to: Class I, Division I, Groups C&D T4 Standard with thermostiches | |

Optional:

- Thermostiches** in motorwindings
- Flexible protective sheating for cable** (AISI 316)
- Water detector** in motor and oil housing

Motor connection details

| voltage [V]* | rated current[A] | electrical cable size | | | | | |
|-----------------|---------------------|-----------------------|----------|---|-------------------|---------------------|-------------------|
| | | | | with waterdetector and/or thermostiches | | FM approved version | |
| | | DOL-start | YD-start | DOL-start | YD-start | DOL-start | YD-start |
| 220 | 50.4 | - | - | - | - | - | - |
| 380 | 29.2 | - | 12 AWG/7 | - | 12 AWG/7+14 AWG/4 | - | 12 AWG/7+14 AWG/7 |
| 440 | 25.2 | 10 AWG/4 | 14 AWG/7 | 10 AWG/4+14 AWG/4 | 14 AWG/7+14 AWG/4 | 10 AWG/4+14 AWG/7 | 14 AWG/7+14 AWG/7 |
| 460 | 24.1 | 10 AWG/4 | 14 AWG/7 | 10 AWG/4+14 AWG/4 | 14 AWG/7+14 AWG/4 | 10 AWG/4+14 AWG/7 | 14 AWG/7+14 AWG/7 |
| 575 | 19.3 | 12 AWG/4 | 14 AWG/7 | 12 AWG/4+14 AWG/4 | 14 AWG/7+14 AWG/4 | 12 AWG/4+14 AWG/7 | 14 AWG/7+14 AWG/7 |

starting current DOL-start : 7.8 x rated current
starting current YD-start : 2.6 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.