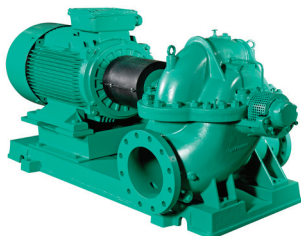


Submittal Data Sheet

Wilo SCP – Horizontal Split Case Pumps



SCP 12 x 10 x 29½ DV



Project:

Engineer:

Contractor:

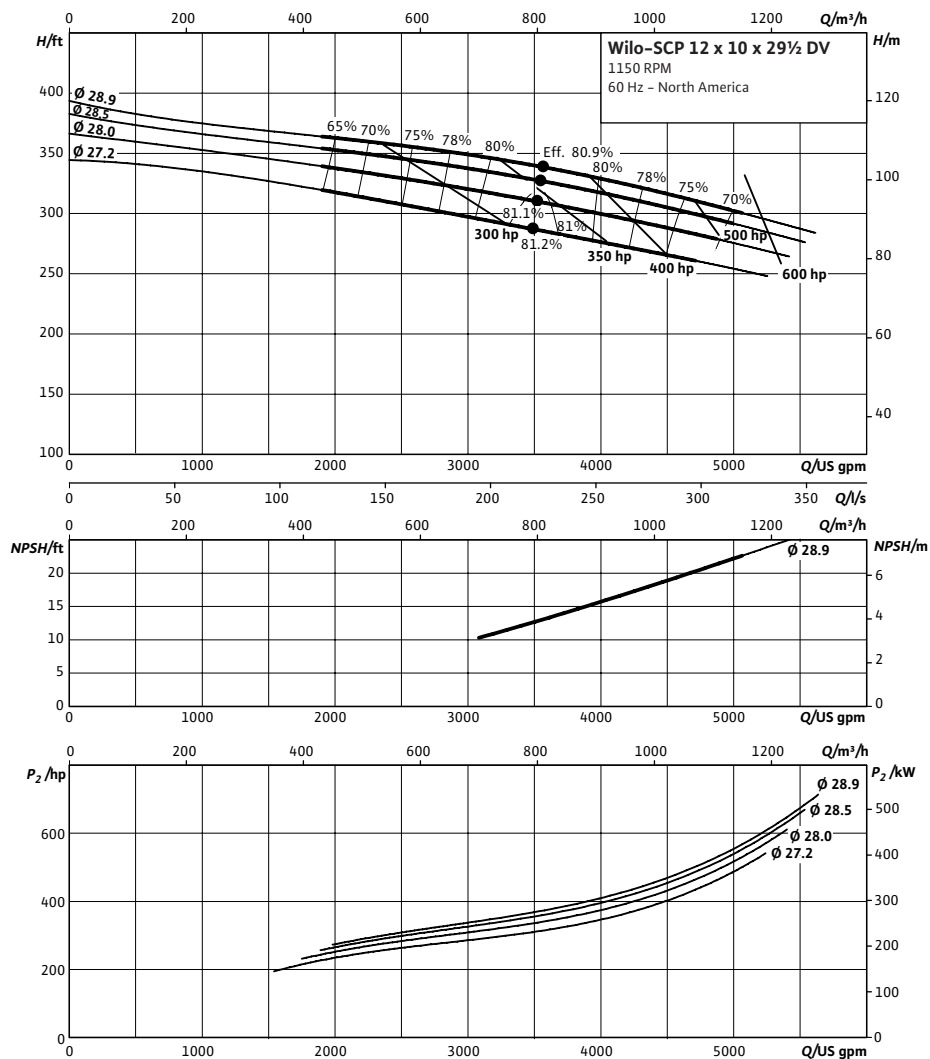
Submitted By:

Date:

Approved By:

Date:

| Tag # | Model # | Flow (USGPM) | Head (Feet) | HP | Enclosure TEFC/ODP | Frame | Cycle | Phase | Voltage | RPM |
|-------|----------------------|-----------------|----------------|----|-----------------------|-------|-------|-------|---------|-----|
| | SCP 12 x 10 x 29½ DV | | | | | | 60 Hz | 3 | | |



Technical Data

Approved Fluids

Heating Water

Cooling and cold water

Water-Glycol mixtures (for 20–40% glycol and fluid temp ≤ 104°F [40°C])

Fluid Temperature

Mechanical Seal 18°F to 250°F (–8°C to 120°C)

Stuffing Box Packing 18°F to 220°F (–8°C to 105°C)

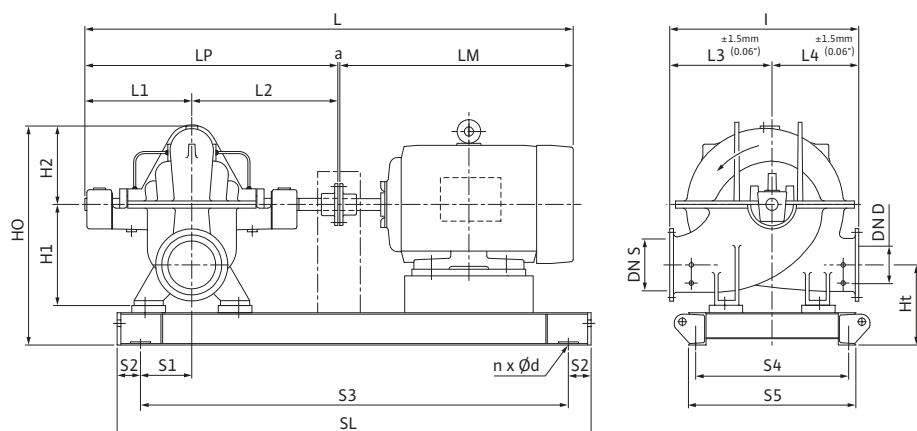
Materials of Construction

| | |
|---|--|
| <input type="checkbox"/> Pump Housing | A48 Class 35 |
| <input type="checkbox"/> Pump Housing (Optional) | Ni-resist BS 3468 Gr 2 / BS 2789 500.1 |
| <input type="checkbox"/> Impeller | BS 84 C83 600 |
| <input type="checkbox"/> Impeller (optional) | A48 Class 35 / BS 84 C83 600 |
| <input type="checkbox"/> Stationary Wear Rings | BS 84 C93 700 |
| <input type="checkbox"/> Pump Shaft | A276 type 410 |
| <input type="checkbox"/> Pump Shaft (optional) | BS 970 316 S16 |
| <input type="checkbox"/> Mechanical Seal | Carbon/silicon carbide/EPDM (E1) |
| <input type="checkbox"/> Other Mechanical Seals | Avail. on request |
| <input type="checkbox"/> Additional Spacer Coupling | Avail. on request |
| <input type="checkbox"/> Other: | |

Approval Stamp

Dimensional Drawing

Single Stage Pump



SCP 12 x 10 x 29½ DV

| Dimensions - Inches (mm) | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|---|-----------------|----------------|----------------|----------------|----------------|----|-----------------|----------------|----------------|-----------------|----------------|---|----|---------------|---------------|----|----|----|----|----|----|
| Frame | a | L | I | L1 | L2 | L3 | L4 | LM | LP | H1 | H2 | HO | Ht | n | Ød | S1 | S2 | S3 | S4 | S5 | SL | P5 | P6 |
| * | .19 (5) | * | 47.00 (1194) | 25.31 (643) | 30.13 (765) | 25.00 (635) | 22.00 (559) | * | 55.44 (1408) | 24.50 (622) | 18.75 (476) | 50.19 (1275) | 15.44 (392) | * | * | 9.56 (243) | 4.00 (102) | * | * | * | * | - | - |
| * CONSULT FACTORY FOR MOTOR AND DIMENSIONS | | | | | | | | | | | | | | | | | | | | | | | |

Flange Dimensions – Suction Side

| Dimensions - Inches (mm) | | | | | | |
|--------------------------|-------------|----------------|----------------|--------------|----|--------------|
| DN S #125 | ØD | Ød | Øk | b | n | D2 |
| 12 | 19 (483) | 15.00 (381) | 17.00 (432) | 1.25 (32) | 12 | 1.00 (25) |

Flange Dimensions – Discharge Side

| Dimensions - Inches (mm) | | | | | | |
|--------------------------|----------------|----------------|----------------|-----------------|----|--------------|
| DN D 125# | ØD | Ød | Øk | b | n | D2 |
| 10 | 16.00 (406) | 12.75 (324) | 14.25 (362) | 1.81 (30.16) | 12 | 1.00 (25) |

