

# S750/7.5 HP P40CE/6.4 HP



## Portable Electric Submersible Pumps

Model S750 (Standard - Continuous Operation)

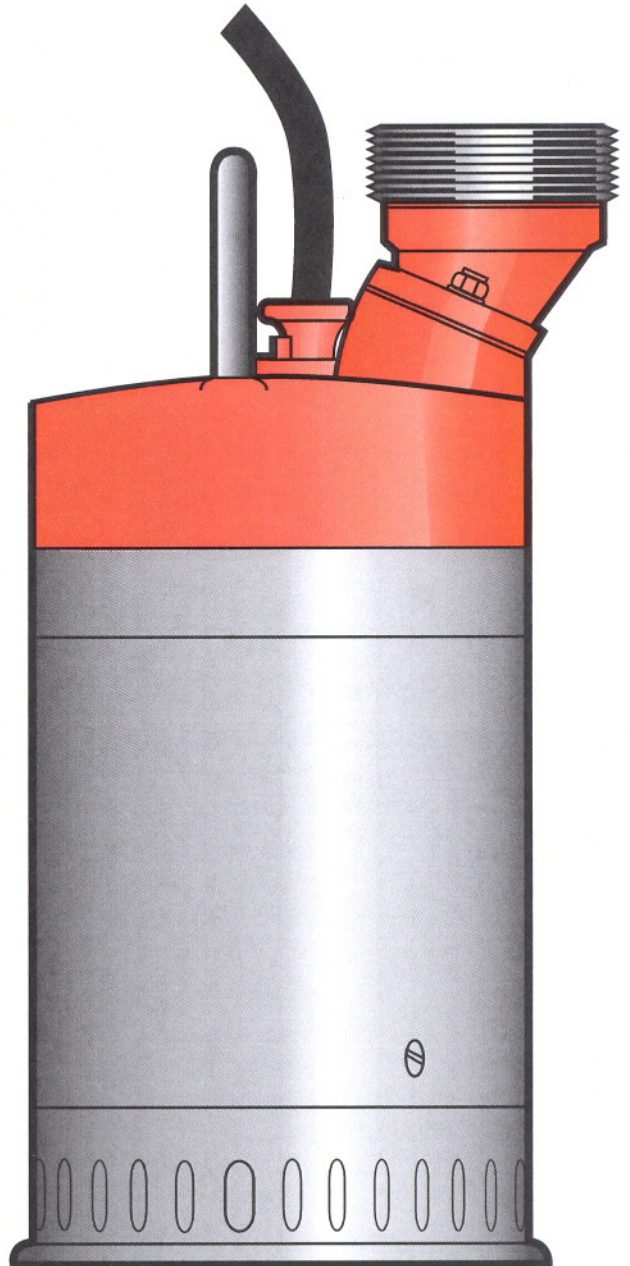
Model P40CE (Ex-Proof Version, MSHA Approved)

MSHA: 2G-2796

### DESIGN ADVANTAGES

- Lower diffuser made of nitrile rubber. Field adjustable with take-up nuts. No shims required.
- Patented lip seal at rotor shaft bore combined with "O" ring provides double protection for seals.
- Exclusive nitrile rubber discharge lining prevents wear to motor housing.
- Three thermo-switches built in stator to protect motor from overload.
- Thermal protectors wired directly to built-in contactor
- **REDUCED MAINTENANCE COSTS:** Stainless steel impeller; wear resistant discharge lining; seals run in a separate oil-filled compartment; patented lip seal design prevents corrosives and solids infiltrating primary sealing unit; thermal overload protection.
- **REDUCED POWER CONSUMPTION:** Better performance per horsepower.
- **DESIGNED FOR USE IN:** Mines, quarries, coffer dams, construction sites and other applications requiring heavy duty pumping units.

**Two pumps in one:** Field conversion kit to convert to P40CS trash pump for solids handling applications.



## Pump Construction:

Type	Centrifugal, single stage, submersible
Discharge	High Head: 3" NPT    High Volume: 4" NPT
Housing	356-T6 aluminum alloy - double walls
Seals	Run in separate oil-filled compartment Silicon-Carbide vs Silicon-Carbide
Impeller	Stainless Steel
Seal Housing	Stainless Steel
Diffuser	Wear resistant nitrile rubber; field adjustable for wear
Impeller Disc	Stainless Steel
Discharge Lining	Wear resistant thermal plastic
Strainer	Stainless Steel 1/4" x 1"
Hardware	Stainless Steel
Weight	80 lbs.
Height	27 11/64"
Diameter	9 11/16"

## Motor Specifications (60 cycles):

Rating	1 Phase 5 HP (60 cycles)	3 Phase 7.5 HP (6.4 HP)
Voltage	230	230/460/575
Current (F.L. Amps)	21	7.9/8.9/8.6
Power Input	4.8 KW	5.7 KW
Overload, Thermal	Three thermal switches incorporated in stator	
Circuit Breaker	Short circuit, locked rotor and over-current protection	
R.P.M.	3450	
Rotor Shaft	Stainless Steel (400 Series)	
Power Cable	#12/4 type SO (12/5 RC)	
Recommended	1 phase 15 KW	
Generator Size	3 phase 15 KW	
Insulation Class	F	

**Standard Equipment:** 50' length of #12 power cable - 3" or 4" NPT discharge, lifting handle and manual control box with circuit breaker.

**Optional Equipment:** Cable extensions; automatic control; discharge hose; kit to change pump to high head or high volume configuration and tandem pump coupling. Field conversion kit for P-40CS trash pump applications. Special coatings for variable pH water conditions.

