

**AVAILABLE MOUNTING CONFIGURATIONS**

3SPM FRAME MOUNT WITH CHROME IRON LINER  
3SPR FRAME MOUNT WITH RUBBER LINER



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

OPERATING LEVELS	CHROME IRON		RUBBER	
MIN FLOW	100 GPM	23 m <sup>3</sup> /h	120 GPM	27 m <sup>3</sup> /h
MAX FLOW	1100 GPM	250 m <sup>3</sup> /h	960 GPM	218 m <sup>3</sup> /h
DISCHARGE SIZE	3"	75 mm	3"	75 mm
SUCTION SIZE	4"	100 mm	4"	100 mm
SOLIDS HANDLING	1.1"	28 mm	1.1"	28 mm
MAX SPEED	2750 RPM	2750 RPM	1950 RPM	1950 RPM
SHUT-OFF HEAD	275'	84 m	137'	42 m
BEP HEAD	230'	70 m	110'	33 m
BEP FLOW	980 GPM	222 m <sup>3</sup> /h	770 GPM	175 m <sup>3</sup> /h
BEP	71%	71%	59%	59%

PARTS	STANDARD MATERIAL (CHROME IRON)	RUBBER LINED
IMPELLER	Chrome Iron	Natural Rubber
VOLUTE LINERS	Chrome Iron	Natural Rubber
VOLUTE CASING	Ductile Iron	Ductile Iron
SHAFT	4140 Steel	4140 Steel
SHAFT SLEEVE	420 Stainless Steel	420 Stainless Steel
MECHANICAL SEAL	Tungsten Carbide/Silicon Carbide (stationary)	Tungsten Carbide/Silicon Carbide (stationary)
BEARING HOUSING	Ductile Iron	Ductile Iron
BEARING FRAME	Cast Iron	Cast Iron
O-RINGS	Nitrile	Nitrile
FLANGE GASKETS	Natural Rubber	Natural Rubber
EXPELLER	Chrome Iron	Chrome Iron
BACKPLATE	Chrome Iron	Chrome Iron

The 3SP Slurry Pump is designed with Cornell's renowned quality and durability. It features a 3" discharge and a 4" suction. Available in chrome iron and rubber-lined models. Cornell's patented Cycloseal® design is standard and includes a Type 2 single mechanical seal with elastomer bellows, stainless steel hardware, tungsten carbide rotating and silicon carbide stationary seal faces for abrasion resistance. Chrome Iron or Rubber Lining options are available to optimize wear life for various material characteristics.

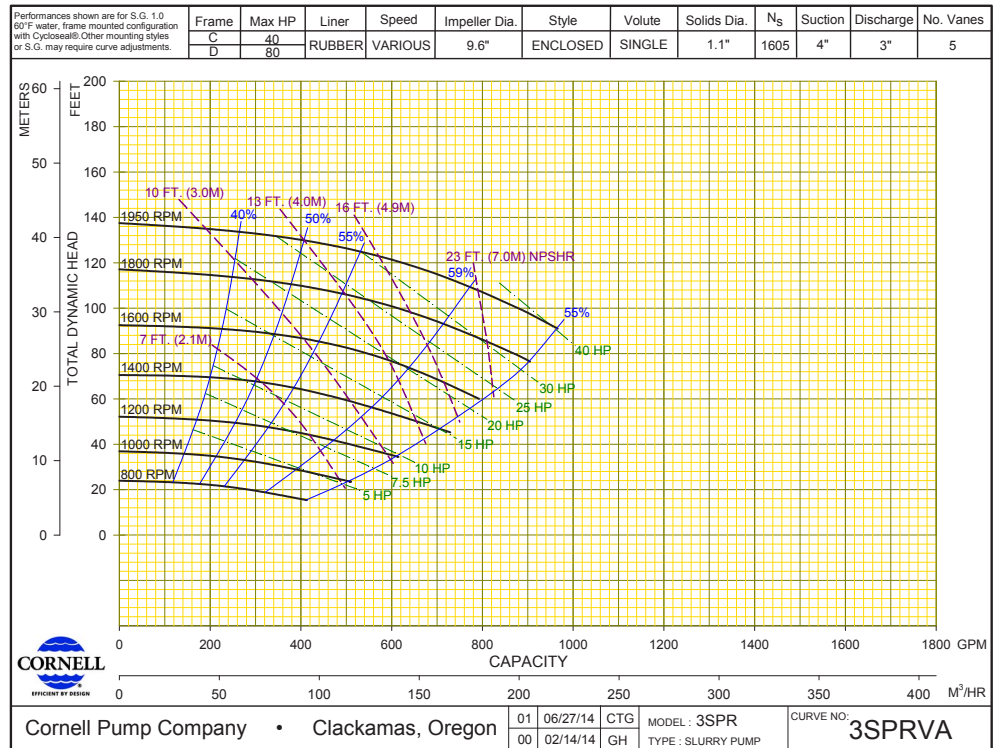
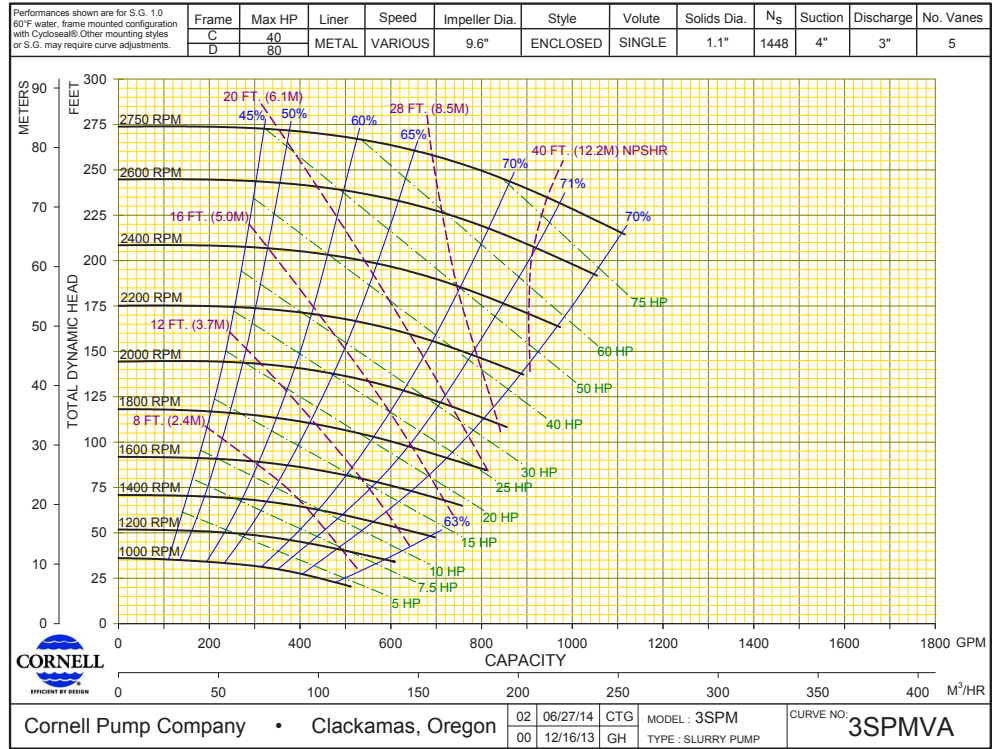
- Enclosed impeller for higher efficiency
- Large solids handling capability
- Robust design allows it to be applied in difficult operating environments
- Industry leading two year warranty
- Superior abrasive and corrosive wear life
- Handles pH levels of 1 to 13 (rubber lining); 3 to 14 (metal)





# DATA SHEET

# 3SP



DS3SP-150217