

**AVAILABLE MOUNTING CONFIGURATIONS**

8SPM FRAME MOUNT WITH CHROME IRON LINER  
8SPR 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	800 GPM	182 m <sup>3</sup> /h	800 GPM	182 m <sup>3</sup> /h
MAX FLOW	9800 GPM	2226 m <sup>3</sup> /h	7000 GPM	1590 m <sup>3</sup> /h
DISCHARGE SIZE	8"	200 mm	8"	200 mm
SUCTION SIZE	10"	250 mm	10"	250 mm
SOLIDS HANDLING	3"	76 mm	3"	76 mm
MAX SPEED	1000 RPM	1000 RPM	750 RPM	750 RPM
SHUT-OFF HEAD	290'	88 m	168'	51 m
BEP HEAD	240'	73 m	140'	43 m
BEP FLOW	6500 GPM	1477 m <sup>3</sup> /h	4700 GPM	1067 m <sup>3</sup> /h
BEP	71%	71%	76%	76%

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 8SP Slurry Pump is designed with Cornell's renowned quality and durability. It features a 8" discharge and a 10" 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)



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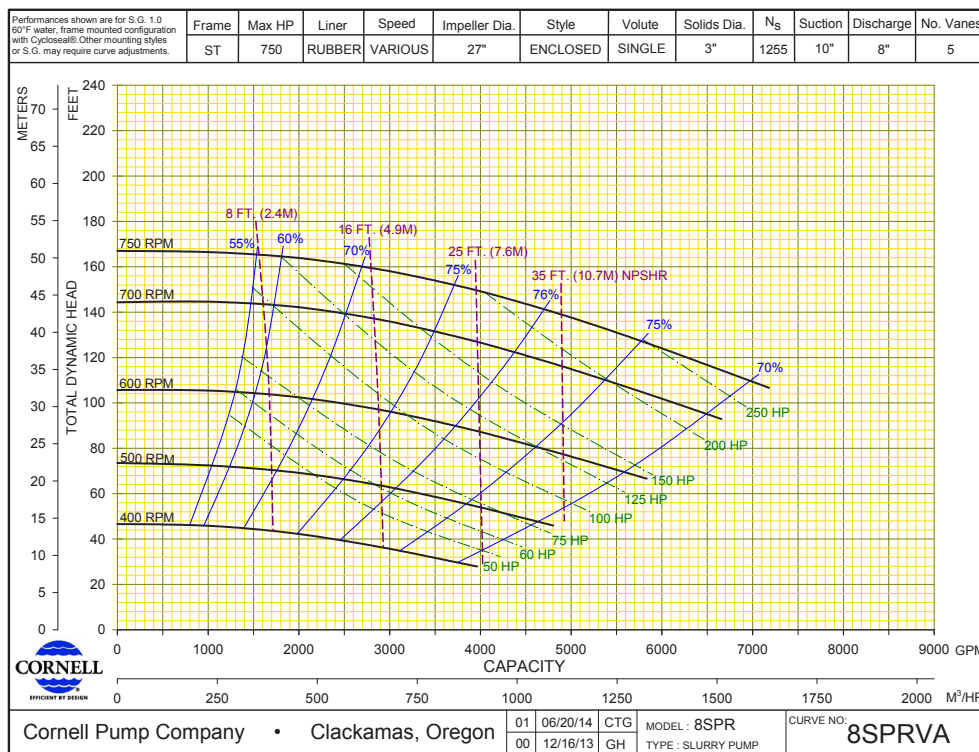
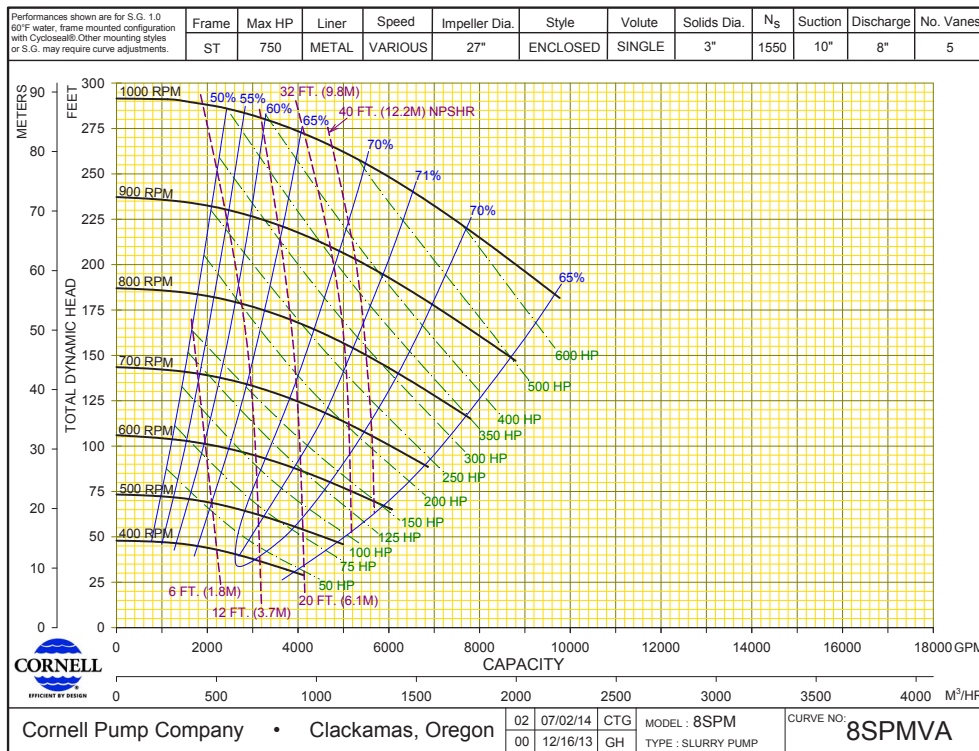
REFRIGERATION



RENTAL



# DATA SHEET 8SP



DS8SP-150217