

CORNELL PUMP COMPANY

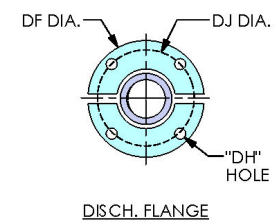
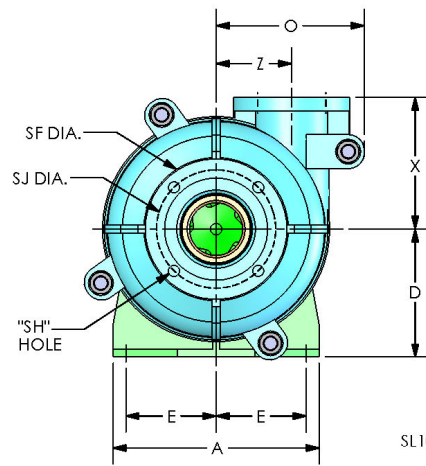
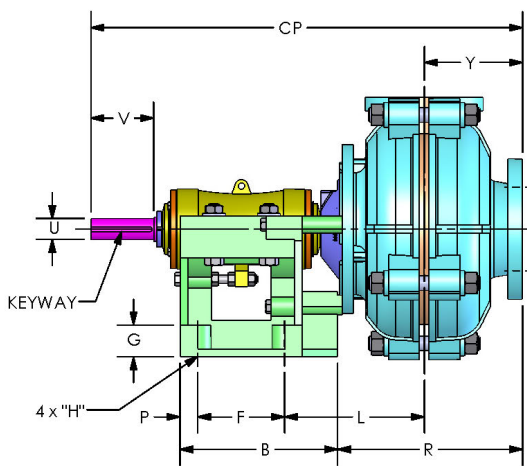
SLURRY PUMPS CURVES



SLURRY PUMPS



CORNELL'S SP SERIES PUMPS EXPAND OUR DEWATERING PUMPING SOLUTIONS TO ABRASIVE APPLICATIONS IN THE MINING PROCESS INDUSTRY. WITH CORNELL'S PATENTED CYCLOSEAL® TECHNOLOGY, OUR SLURRY PUMPS ARE BUILT TO OPERATE WITHOUT FLUSH WATER.



SL10046

- NOTES:
1. Do not use for construction unless certified.
 2. Dimension "U" and Keyway are in millimeters. All other dimensions in inches.
 3. Flange dimensions are non-standard.

MODEL	FLANGE DIMENSION					
	DISCHARGE			SUCTION		
	DF	DJ	DH	SF	SJ	SH
2SP	7.25	5.75	4x.75	8.5	7	4x.75
3SP	9.02	7.52	4x.88	10.98	9.25	4x.88
4SP	10.98	9.25	4x.88	13.27	11.5	4x.88
6SP	14.49	12.76	8x.81	15.98	14.02	8x.88
8SP	17.01	14.76	8x1.13	19.76	17.52	8x1.13
10SP	20.75	18.5	12x1.0	20.75	18.5	8x1.0
12SP	21.73	19.49	12x1.0	23.03	20.51	12x1.0

MODEL	FRAME	WEIGHT (LB)	
		METAL	RUBB.
2SP	C	420	340
3SP	C	580	520
3SP	D	800	640
4SP	D	1380	1000
4SP	E	1600	1400
6SP	E	3250	2165
6SP	R	4050	2965
8SP	ST	8270	6900
10SP	ST	10185	7400
12SP	ST	14130	10300

MODEL	FRAME	CONNECTION		PUMP DIMENSIONS																	
		DISCH.	SUCT.	A	B	CP	D	E	F	G	H	L	O	P	R	U	V	X	Y	Z	KEYWAY
2SP	C	2	3	15.98	12.24	30.24	10	7	6.89	1.89	0.75	9.17	9.37	1.26	11.06	42mm	4.76	8.27	5.98	5.43	12mm x 8mm
3SP	C	3	4	15.98	12.24	33.19	10	7	6.89	1.89	0.75	10.63	11.5	1.26	13.94	42mm	4.76	10.31	7.4	5.87	12mm x 8mm
3SP	D	3	4	19.37	14.33	37.13	13	8.5	8.39	2.52	0.87	10.98	11.5	1.5	13.9	65mm	6.46	10.31	7.4	5.87	18mm x 11mm
4SP	D	4	6	19.37	14.33	40.2	13	8.5	8.39	2.52	0.87	12.52	15.98	1.5	16.57	65mm	6.46	13.31	8.5	9.02	18mm x 11mm
4SP	E	4	6	24.49	17.64	46.38	17.99	10.75	10.12	2.99	1.14	13.82	15.98	2.13	17.05	80mm	8.74	13.31	8.5	9.02	22mm x 14mm
6SP	E	6	8	24.49	17.64	51.26	17.99	10.75	10.12	2.99	1.14	15.83	21.69	2.13	21.93	80mm	8.74	18.11	11.5	12.52	22mm x 14mm
6SP	R	6	8	26.77	23.23	53.54	13.78	11.02	19.29	2.76	-	12.28	21.69	1.98	21.81	85mm	8.5	18.11	11.5	12.52	22mm x 14mm
8SP	ST	8	10	45.28	30.71	68.82	25.59	17.72	24.41	4.92	1.89	17.28	26.5	3.15	27.24	120mm	11.02	25	13.11	16.5	32mm x 18mm
10SP	ST	10	12	45.28	30.71	71.5	25.59	17.72	24.41	4.92	1.89	18.13	29.72	3.15	30	120mm	11.02	26.54	15	18.27	32mm x 18mm
12SP	ST	12	14	45.28	30.71	73.74	25.59	17.72	24.41	4.92	1.89	19.13	37.17	3.15	31.97	120mm	11.02	32.76	15.98	24.76	32mm x 18mm

APPLICATIONS

- Dewatering
- Cyclone feed
- Regrind
- Flotation
- Mill discharge
- Tailings and mine refuse
- Mining and mineral processing
- Heavy duty abrasive slurries
- Medium duty abrasive slurries
- In-plant slurry transfer pumps

SLURRY PUMPS

The SP series is designed to transport heavy abrasive slurry with high solids concentrations at pH levels 1 to 13 (rubber lined) and 3 to 14 (metal). Pumps are available in chrome iron and rubber lining configurations. SP series pumps are designed to handle abrasive high-density slurries in mining, metallurgical, coal, manure, and other industrial applications.

BENEFITS

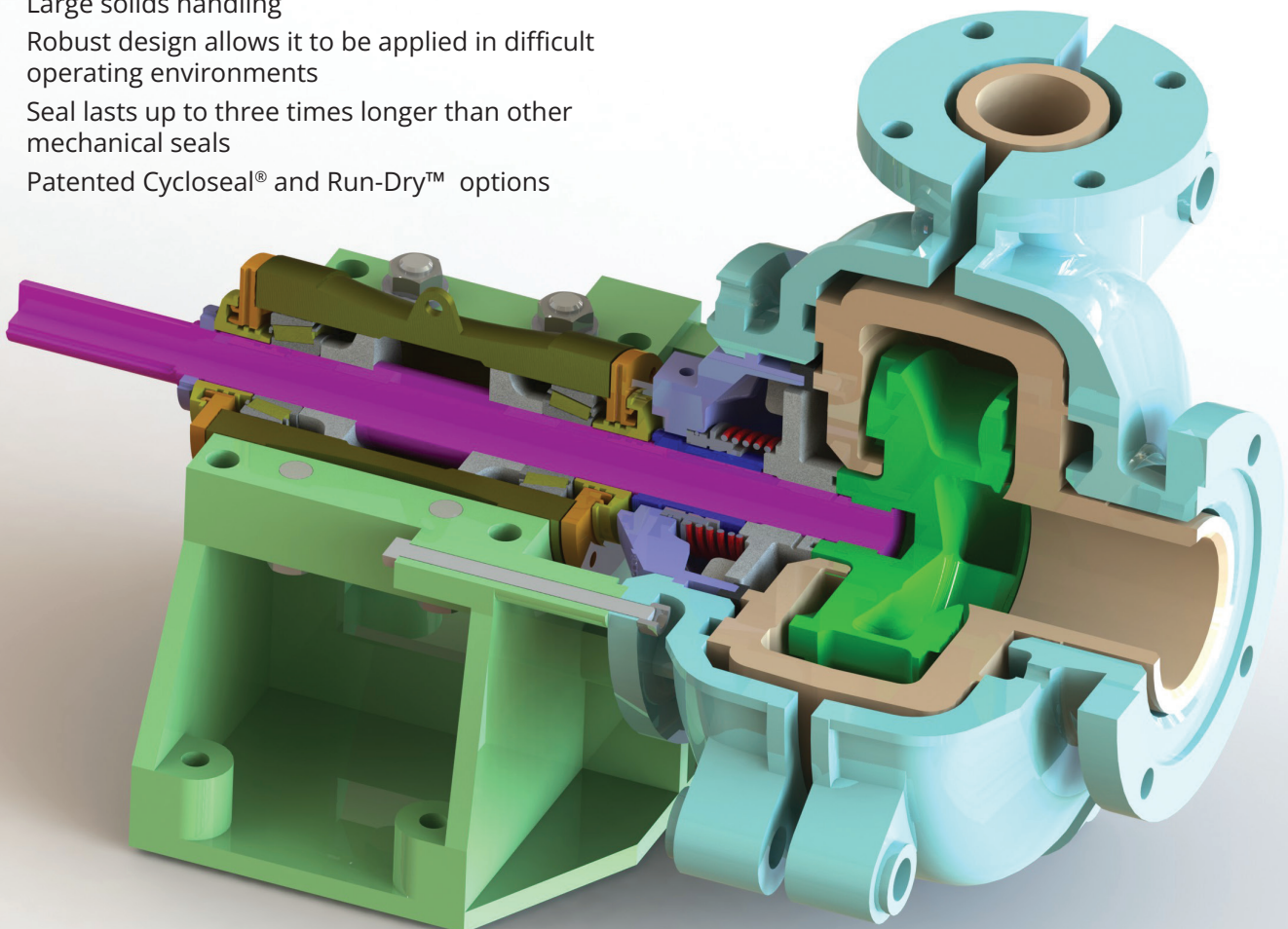
- Solids handling up to 3.5"
- Heads up to 235' at BEP
- No Flush Water Required
- Industry leading two year warranty
- Superior abrasive and corrosive wear life
- Handles pH level 4 to 13 in metal or rubber lined
- Available in rubber lined or chrome-iron configuration

FEATURES

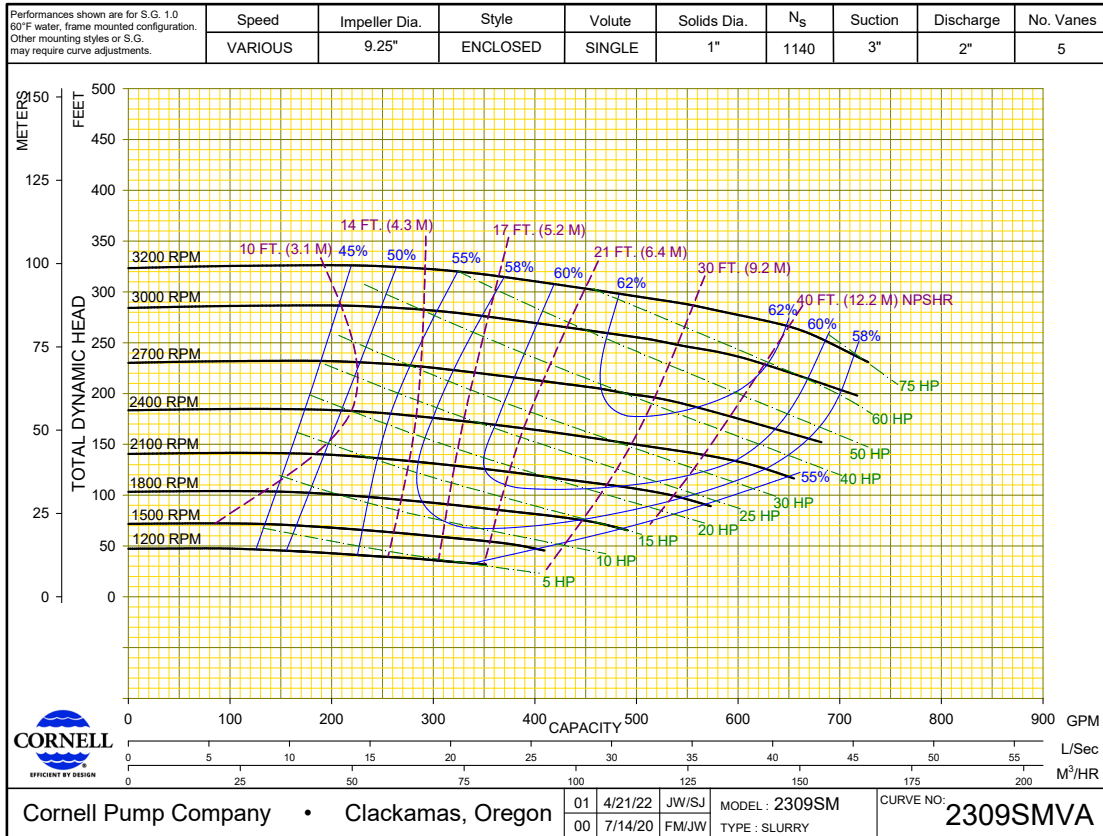
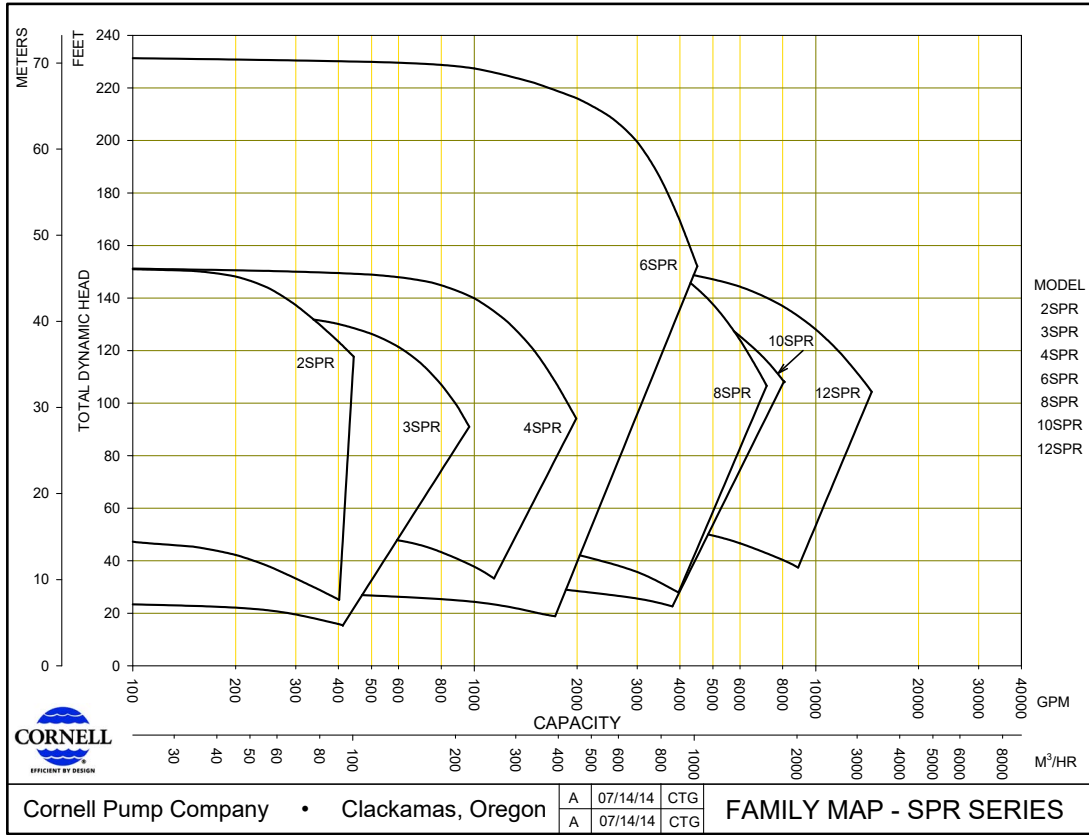
- Specific lining allows for various material handling
- Large solids handling
- Robust design allows it to be applied in difficult operating environments
- Seal lasts up to three times longer than other mechanical seals
- Patented Cycloseal® and Run-Dry™ options

SPECIFICATIONS

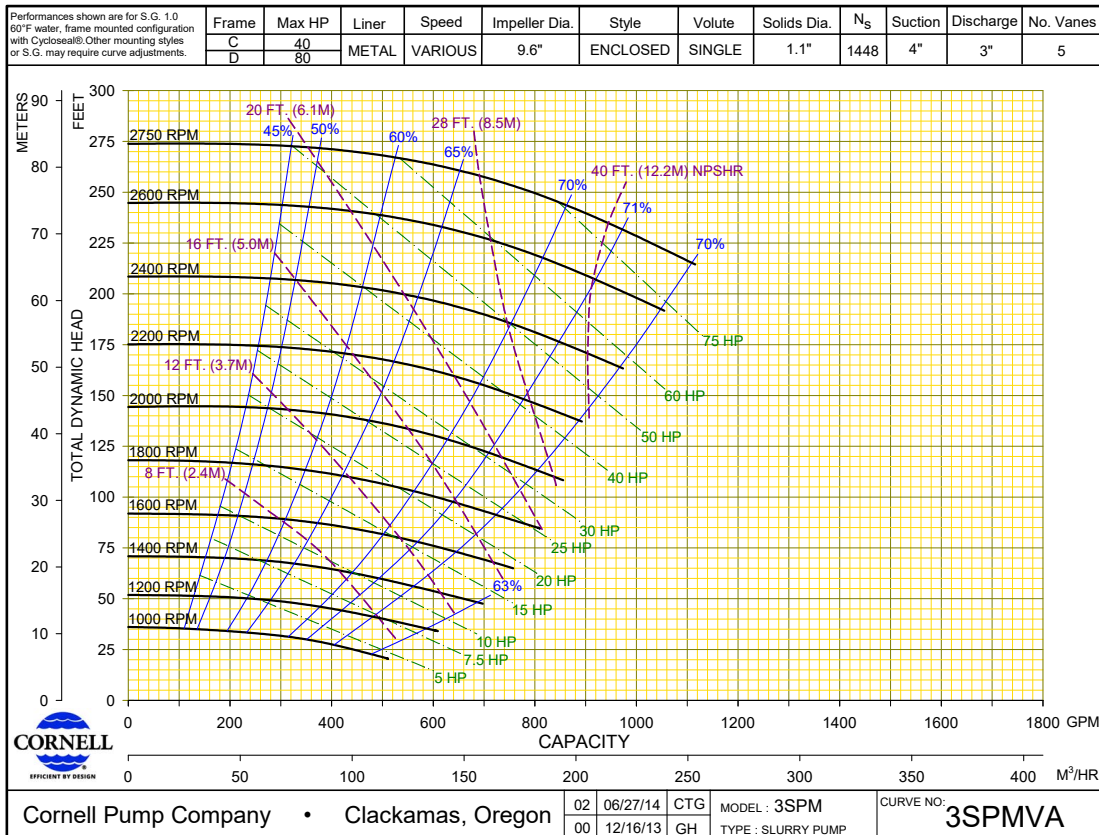
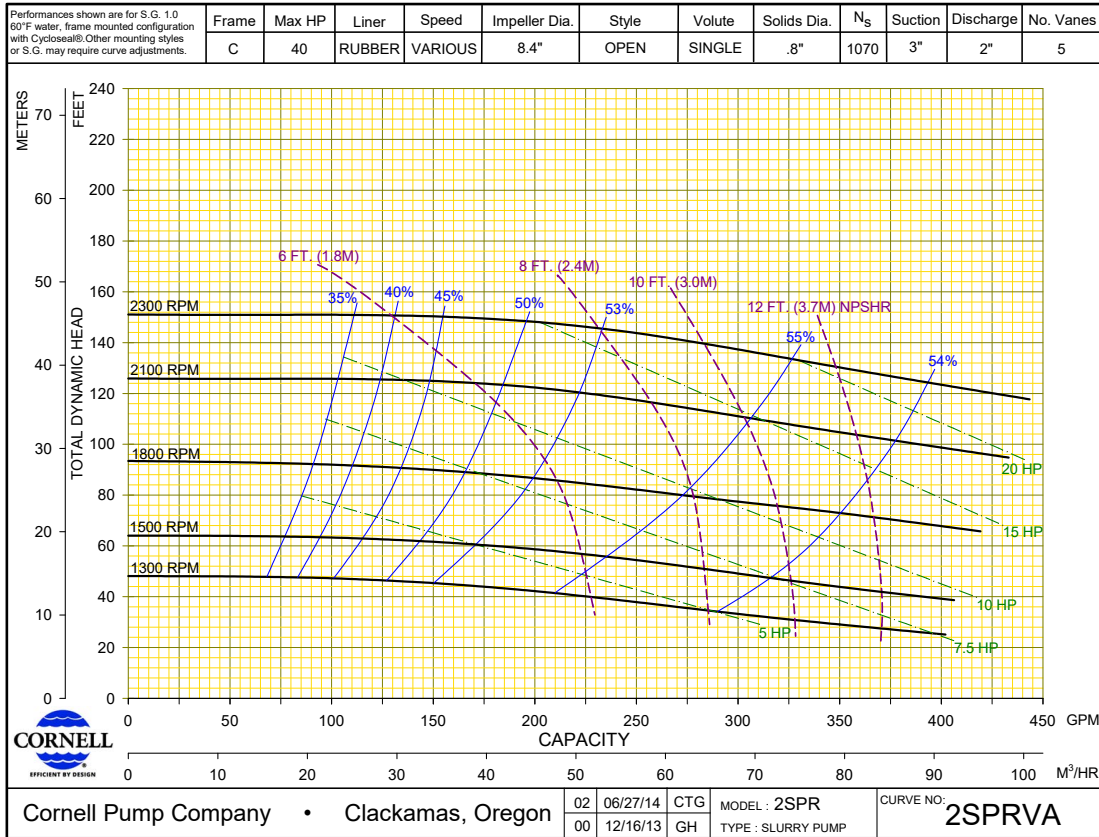
- Housing Material: Ductile iron
- Liner Material: Chrome iron or rubber
- Impeller Material: Chrome iron or rubber
- Backplate: Chrome iron
- Bearing Housing & Pedestal: Cast iron
- Discharge Size: 2" to 12"
- Flow rate: Up to 14,000 GPM
- Seal Type: Cycloseal or gland packing
- Solids Diameter: Up to 3.5"
- Impeller Type: Enclosed
- Head: Up to 235' at BEP



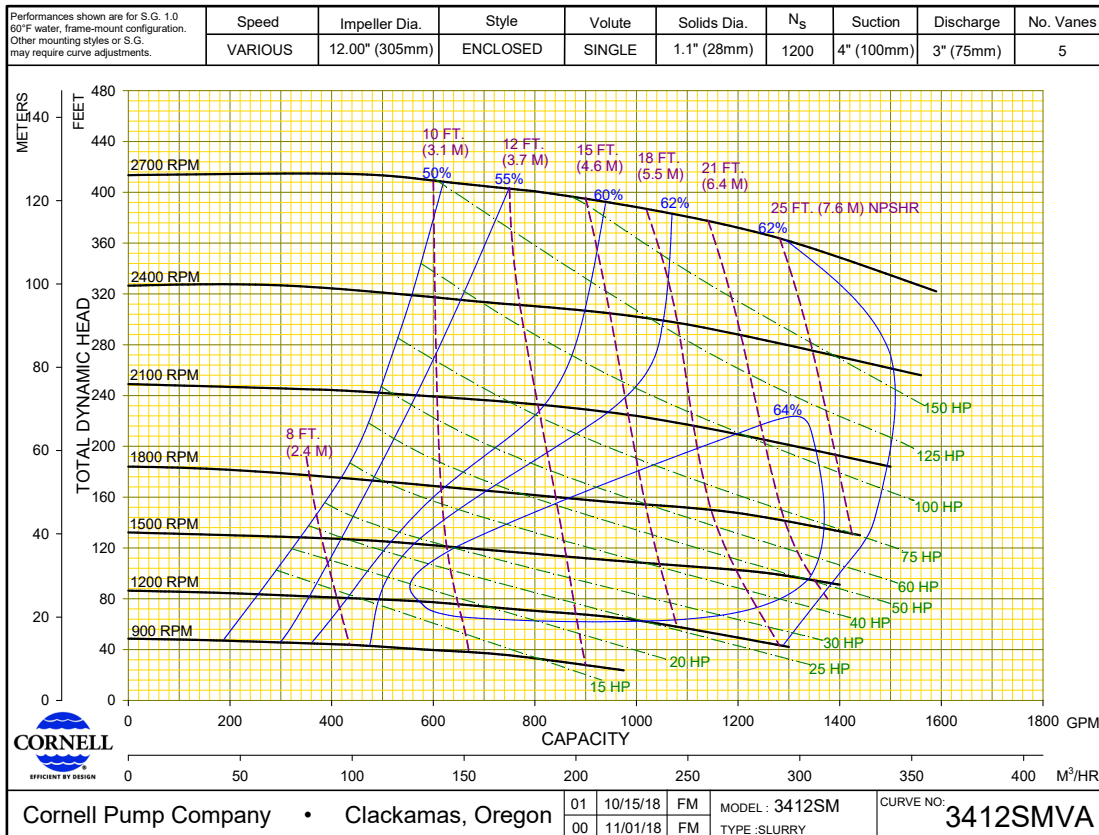
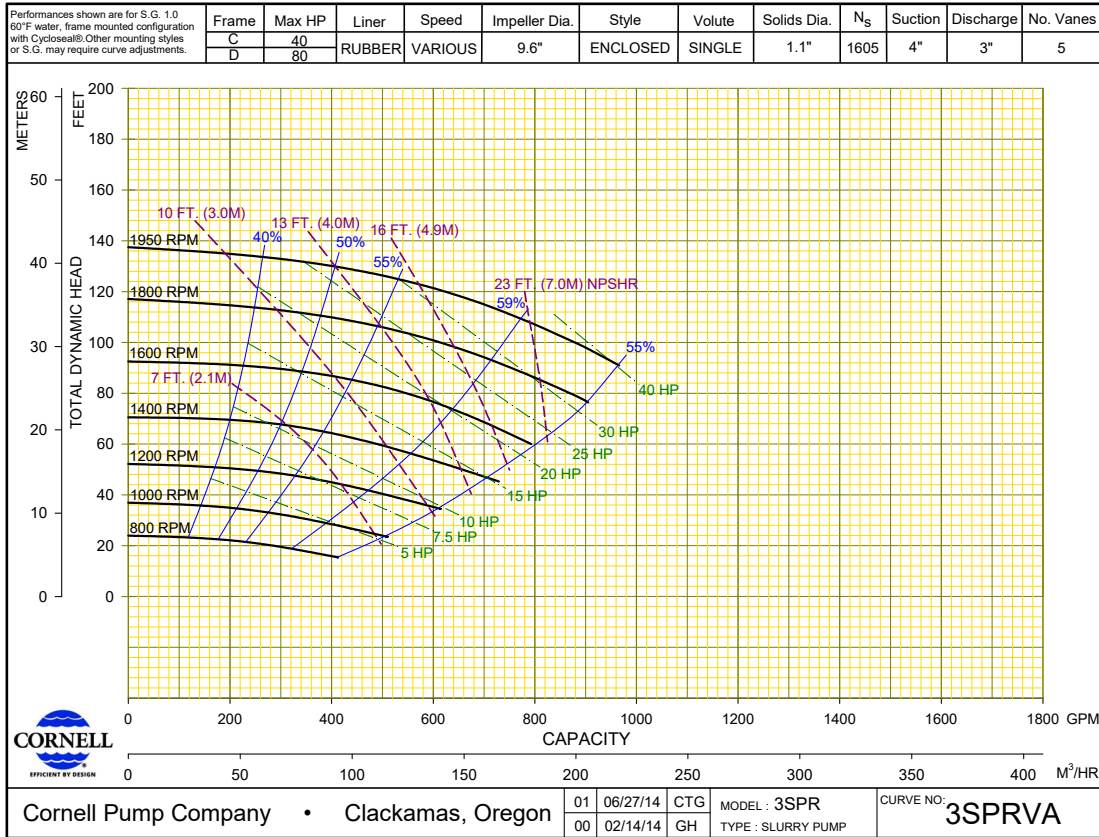
SLURRY PUMPS



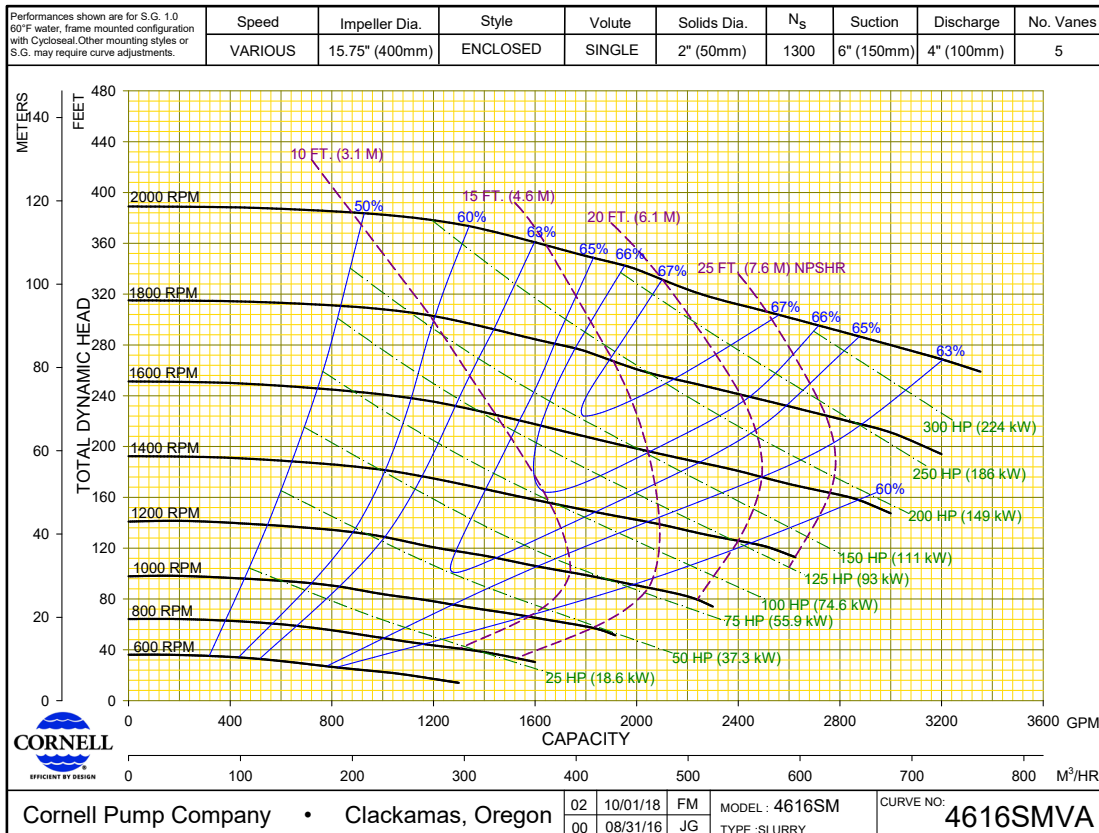
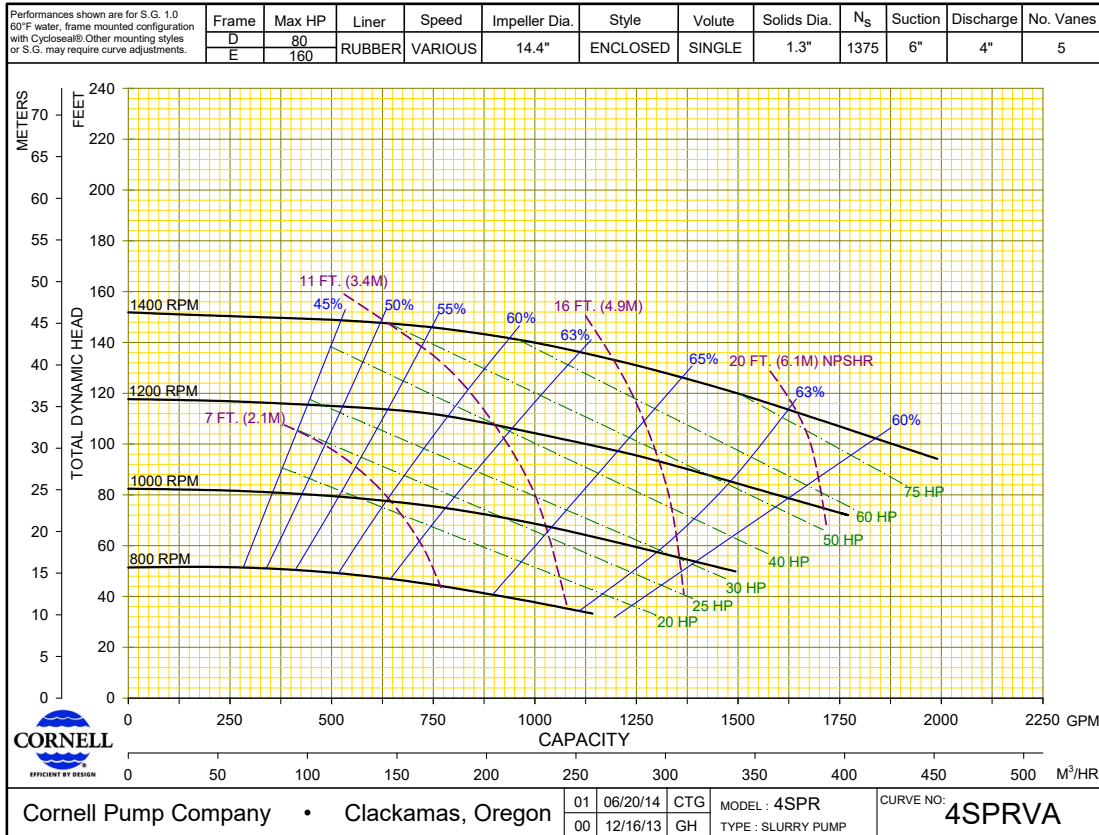
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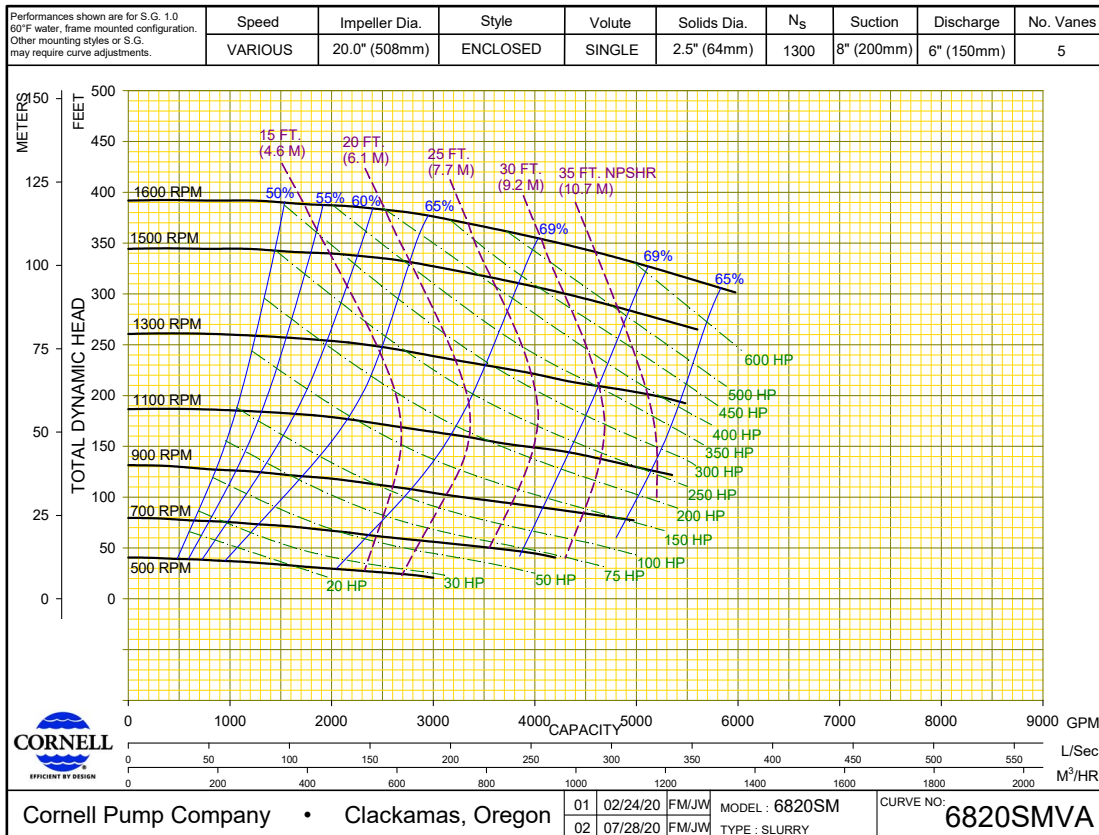
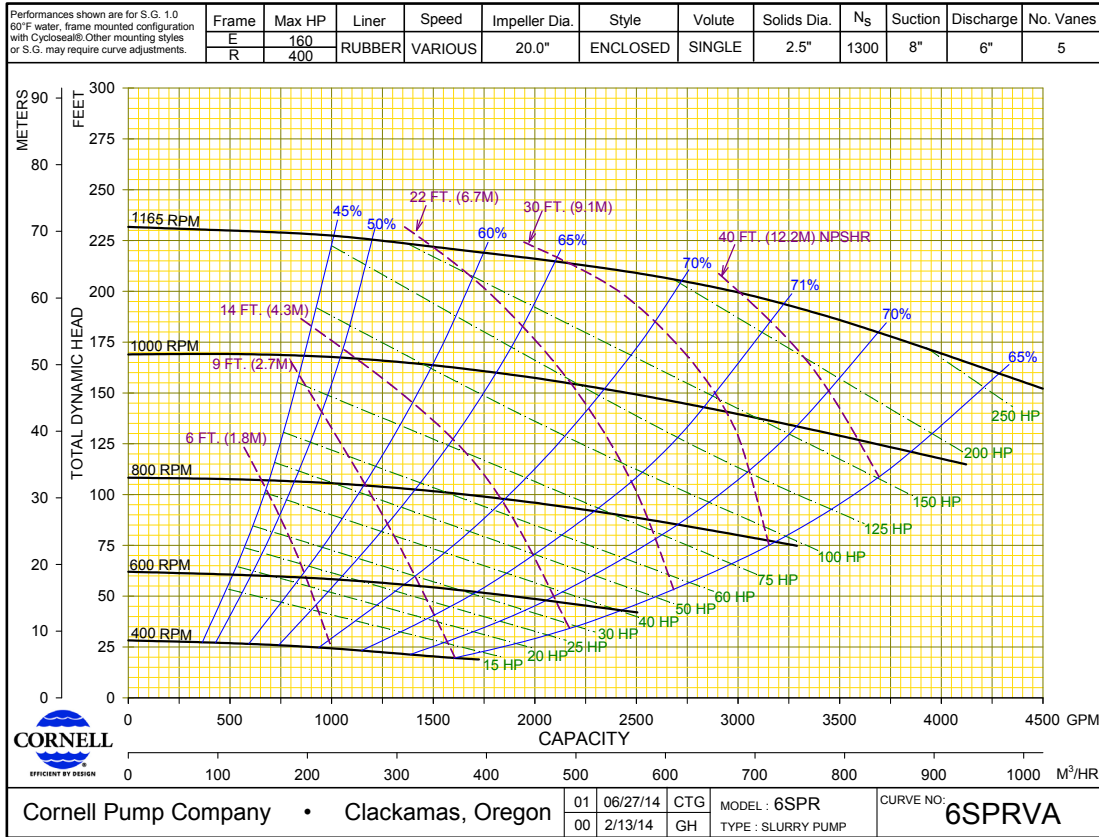
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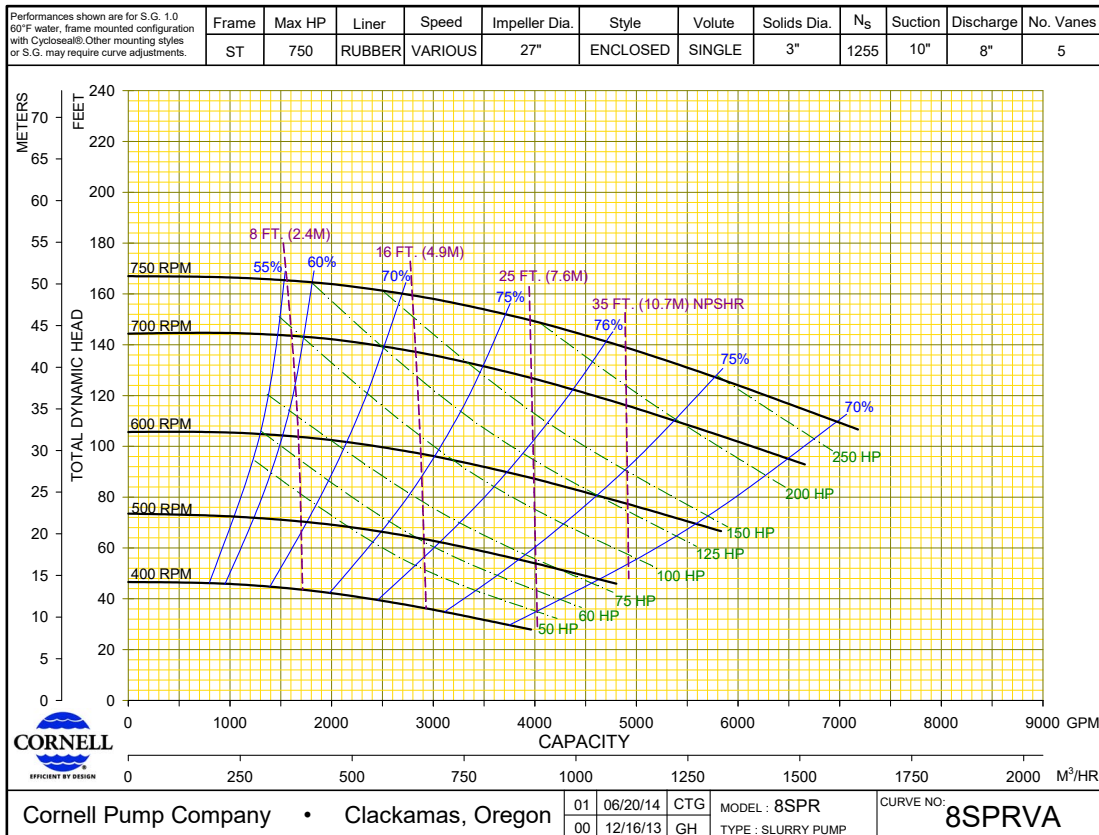
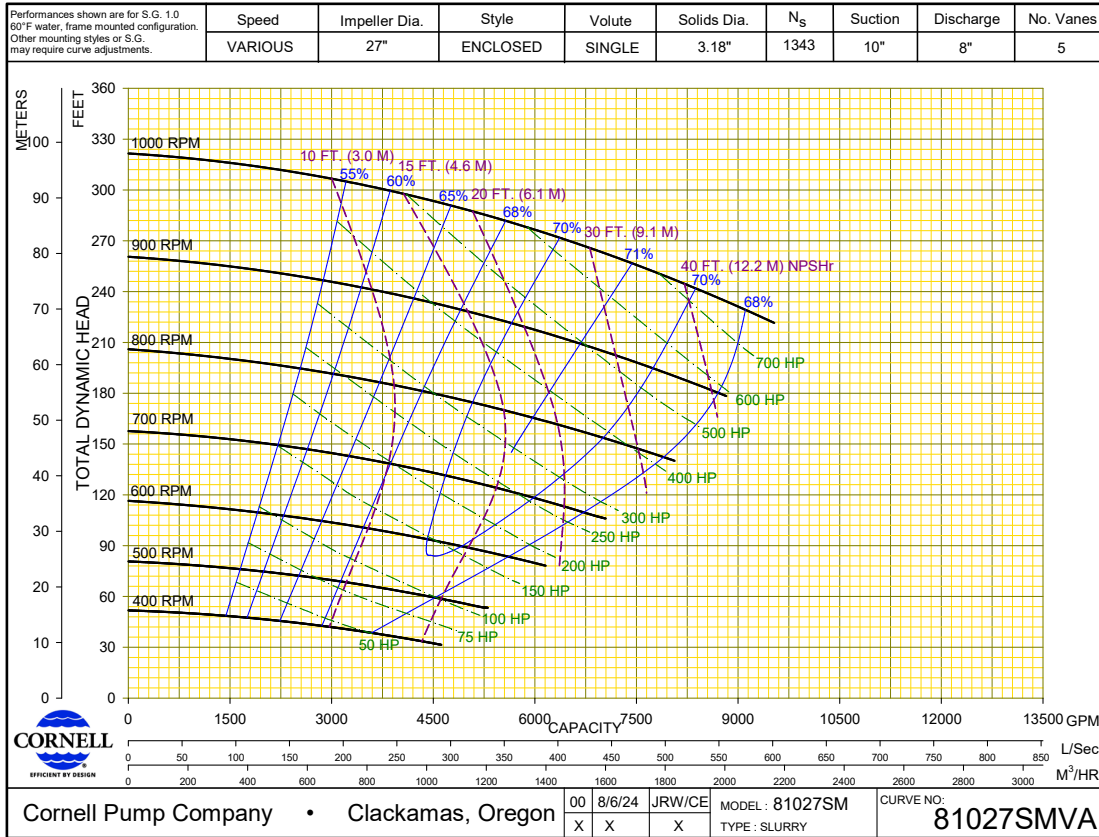
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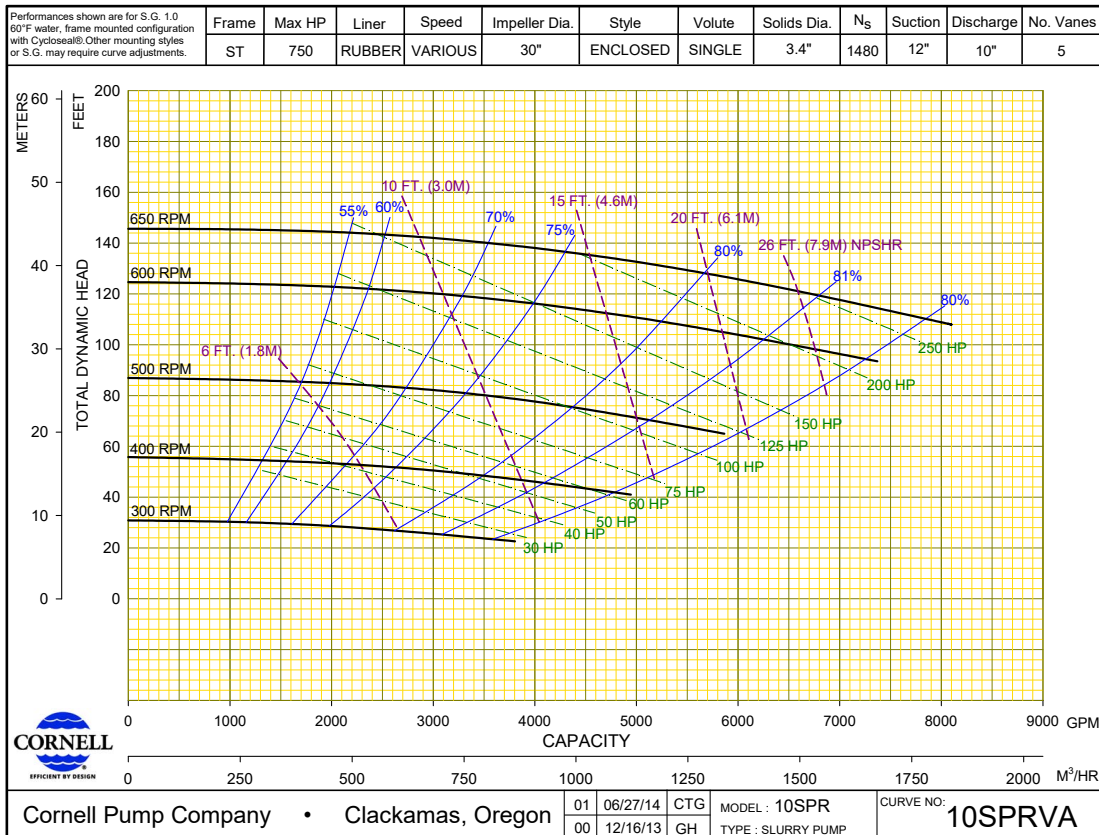
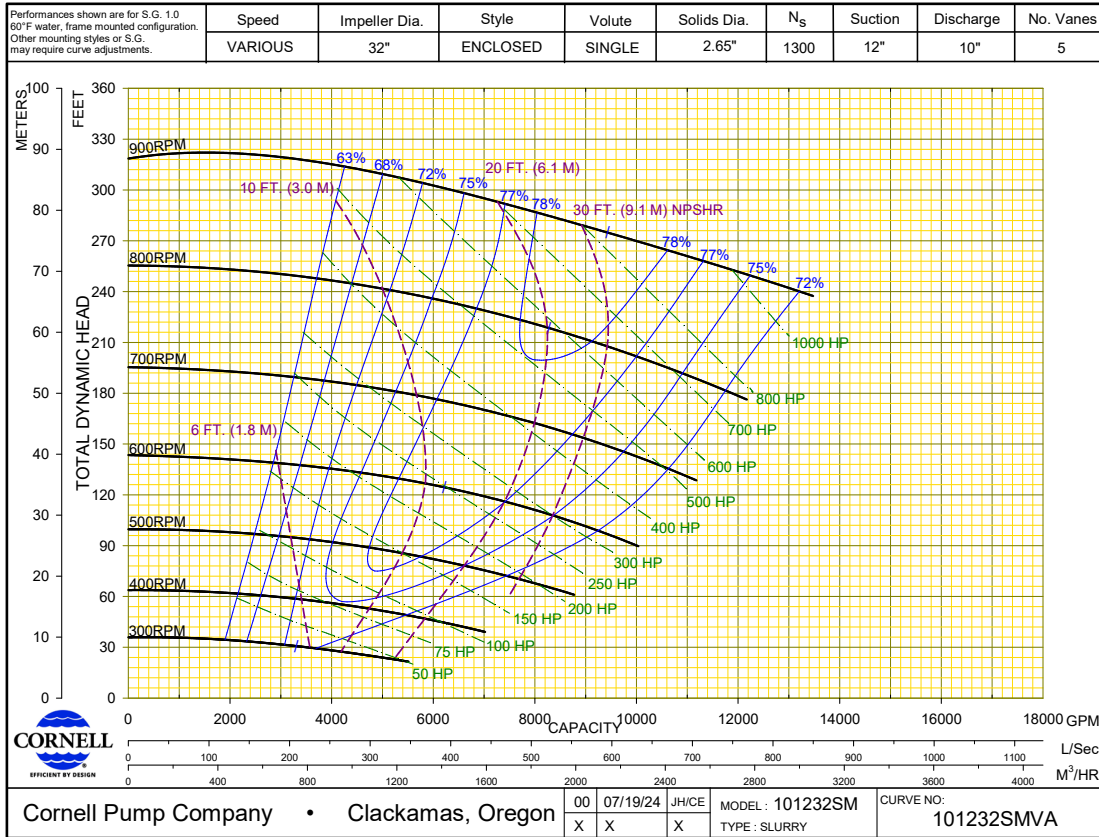
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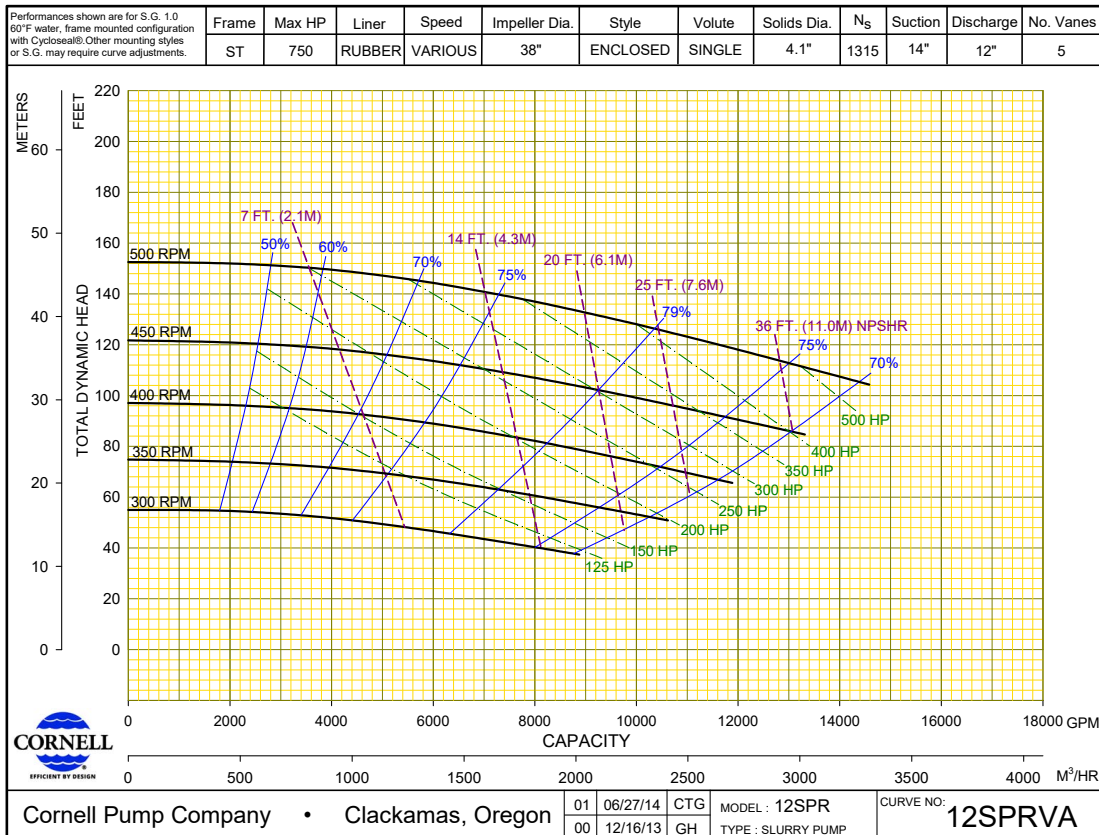
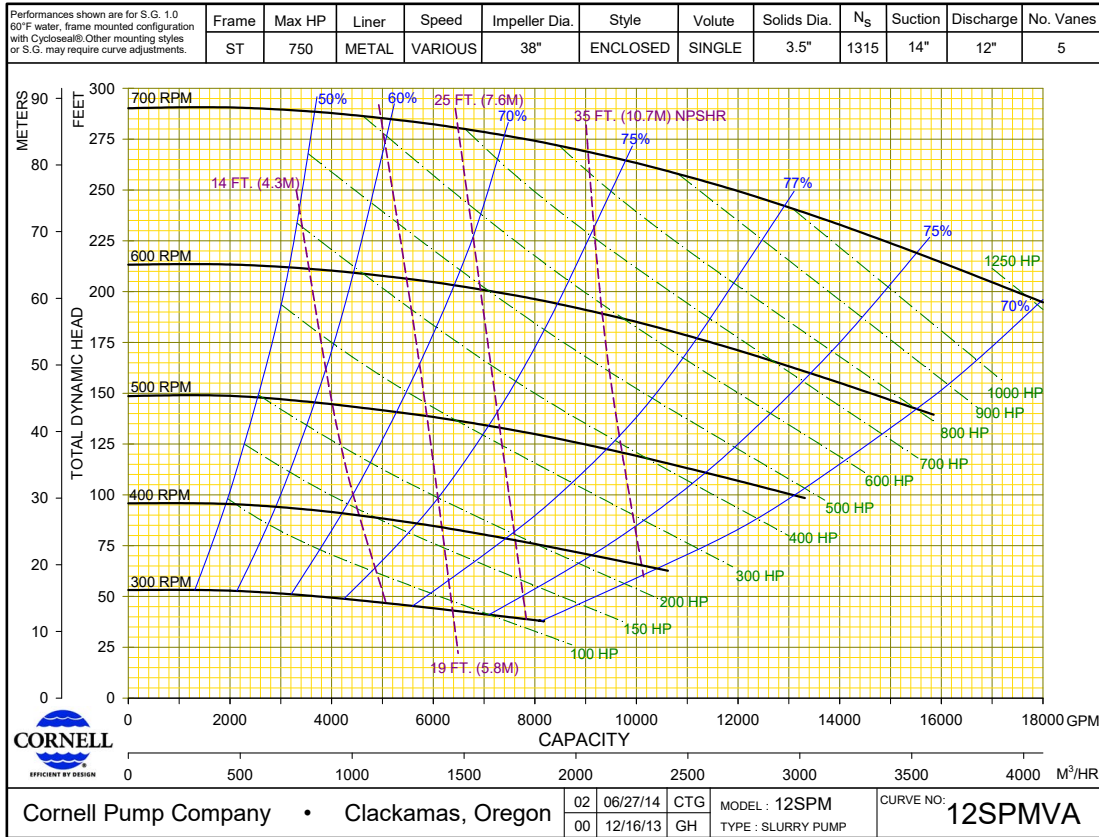
SLURRY PUMPS



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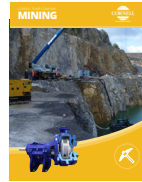
AGRICULTURE



FOOD PROCESS



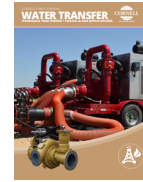
INDUSTRIAL



MINING



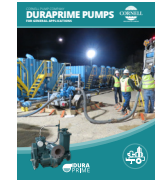
MUNICIPAL



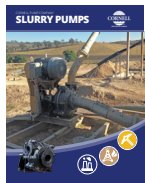
WATER TRANSFER



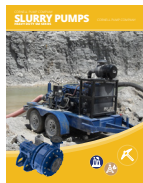
REFRIGERATION



CONSTRUCTION



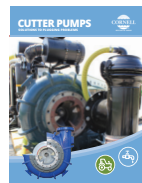
SLURRY



SLURRY SM



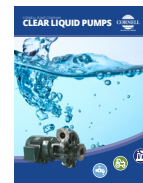
MANURE



CUTTERS



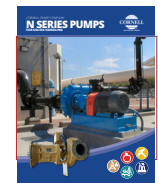
SELF PRIMING



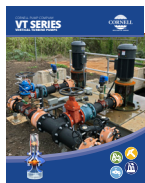
CLEAR LIQUIDS



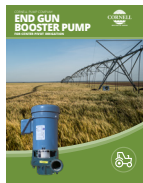
MX SERIES



N SERIES



CYCLONE™



EDGE™



HYDRAULIC SUBS



IMMERSIBLE



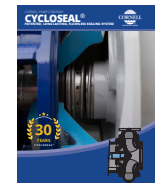
CD4MCU



RUN-DRY™



PRIMING SYSTEMS



CYCLOSEAL®

Cycloseal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

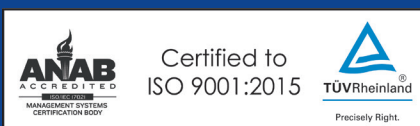
Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:

6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

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