



# 4817MP-F

### AVAILABLE MOUNTING CONFIGURATIONS

4817MP-RP-F REDI-PRIME FRAME MOUNT  
 4817MP-F FRAME MOUNT  
 4817MP-RP-EM REDI-PRIME ENGINE MOUNT  
 4817MP-EM ENGINE MOUNT

### OPERATING LEVELS

<b>MIN FLOW</b>	400 GPM	90.8 m <sup>3</sup> /h
<b>MAX FLOW</b>	2850 GPM	647.3 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	4"	101.6 mm
<b>SUCTION SIZE</b>	8"	203.2 mm
<b>SOLIDS HANDLING</b>	3"	76.2 mm
<b>MAX SPEED</b>	2000 RPM	2000 RPM
<b>SHUT-OFF HEAD</b>	470'	143.3 m
<b>BEP HEAD</b>	360'	109.7 m
<b>BEP FLOW</b>	2300 GPM	522.4 m <sup>3</sup> /h
<b>BEP PERCENT</b>	68%	68%



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.

PARTS	HIGH CHROME
<b>IMPELLER</b>	WHITE IRON ASTM A532 CLASS III
<b>VOLUTE</b>	WHITE IRON ASTM A532 CLASS III
<b>SHAFT</b>	17-4 PH STAINLESS STEEL H1075
<b>SHAFT SLEEVE</b>	416 STAINLESS STEEL
<b>SUCTION COVER</b>	DUCTILE IRON ASTM 65-45-12
<b>BACKPLATE</b>	WHITE IRON ASTM A532 CLASS III
<b>WEAR PLATE</b>	WHITE IRON ASTM A532 CLASS III
<b>MECHANICAL SEAL</b>	TUNGSTEN CARBIDE VS. SILICON CARBIDE W/ VITON ELASTOMERS
<b>BEARING FRAME</b>	CAST IRON ASTM A48 CLASS 30
<b>O-RINGS</b>	VITON

The 4817MP pump is designed with Cornell's renowned quality and durability. It features a 4" discharge, 8" suction, enclosed, multivane impeller, and tangential volute. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Excellent NPSHr
- Industry-leading efficiencies
- Replaceable wear plate and shaft sleeve
- Patented Cycloseal® design
- Heavy duty construction
- RunDry™ option (Indefinite run dry capability)
- Redi-Prime® available for fully-automatic continuous priming
- Front adjustable wear plate
- Hardness > 600BHN wears better than standard cast iron



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



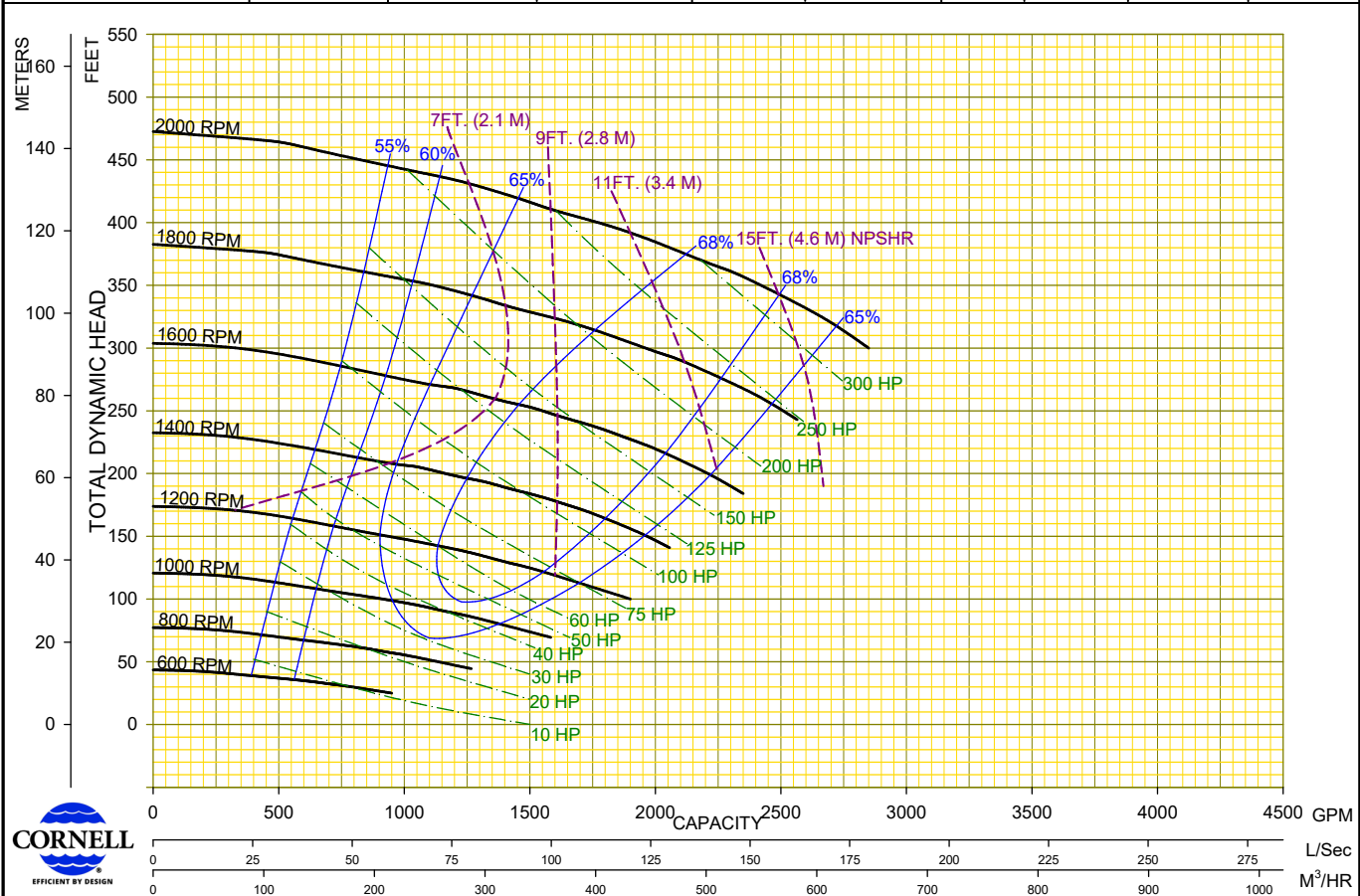
RENTAL



# 4817MP-F

Performances shown are for S.G. 1.0  
60°F water, frame mounted configuration.  
Other mounting styles or S.G.  
may require curve adjustments.

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N <sub>s</sub>	Suction	Discharge	No. Vanes
VARIOUS	17.5"	ENCLOSED	SINGLE	3.00"	1181	8"	4"	2



Cornell Pump Company • Clackamas, Oregon	01	12/21/19	FM/SJ	MODEL : 4817MP	CURVE NO: 4817MPVA
	00	09/06/19	FM	TYPE : SOLIDS HANDLING	