

# 81022MP-F



### AVAILABLE MOUNTING CONFIGURATIONS

81022MP-F FRAME MOUNT  
 81022MP-EM ENGINE MOUNT  
 81022MP-RP-F REDI-PRIME FRAME MOUNT  
 81022MP-RP-EM REDI-PRIME ENGINE MOUNT

### OPERATING LEVELS

<b>MIN FLOW</b>	1400 GPM	318 m <sup>3</sup> /h
<b>MAX FLOW</b>	9000 GPM	2044 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	8"	200 mm
<b>SUCTION SIZE</b>	10"	250 mm
<b>SOLIDS HANDLING</b>	4"	100 mm
<b>MAX SPEED</b>	2000 RPM	2000 RPM
<b>SHUT-OFF HEAD</b>	595'	182 m
<b>BEP HEAD</b>	384'	117 m
<b>BEP FLOW</b>	6900 GPM	1567 m <sup>3</sup> /h
<b>BEP PERCENT</b>	83%	83%



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	HYBRID	HIGH CHROME
<b>IMPELLER</b>	CHROME IRON	CHROME IRON
<b>VOLUTE</b>	DUCTILE IRON	CHROME IRON
<b>SHAFT</b>	17-4 P.H. STAINLESS STEEL	17-4 P.H. STAINLESS STEEL
<b>SHAFT SLEEVE</b>	416 STAINLESS STEEL CHR. PLATED	416 STAINLESS STEEL CHR. PLATED
<b>SUCTION COVER</b>	DUCTILE IRON	DUCTILE IRON
<b>BACKPLATE</b>	DUCTILE IRON	CHROME IRON
<b>WEAR PLATE</b>	CHROME IRON	CHROME IRON
<b>MECHANICAL SEAL</b>	TUNGSTEN CARBIDE VS. SILICON CARBIDE	TUNGSTEN CARBIDE VS. SILICON CARBIDE
<b>BEARING FRAME</b>	CAST IRON	CAST IRON
<b>O-RINGS</b>	VITON	VITON

The 81022MP pump is designed with Cornell's renowned quality and durability. It features a 8" discharge, 10" suction, and enclosed impeller. Available in Hybrid or High Chrome materials. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal with Viton elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Heavy-duty F12 bearing frame with double angular contact thrust bearing on frame-mount models.

- Flow rates up to 9,000 GPM / Heads up to 595'
- Redi-Prime® available for fully-automatic continuous priming
- RunDry™ option (Indefinite run dry capability)
- Hardness rating > 600BHN provides better wear
- Heavy-duty construction
- Front adjustable wear plate
- Replaceable wear plates



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REFRIGERATION



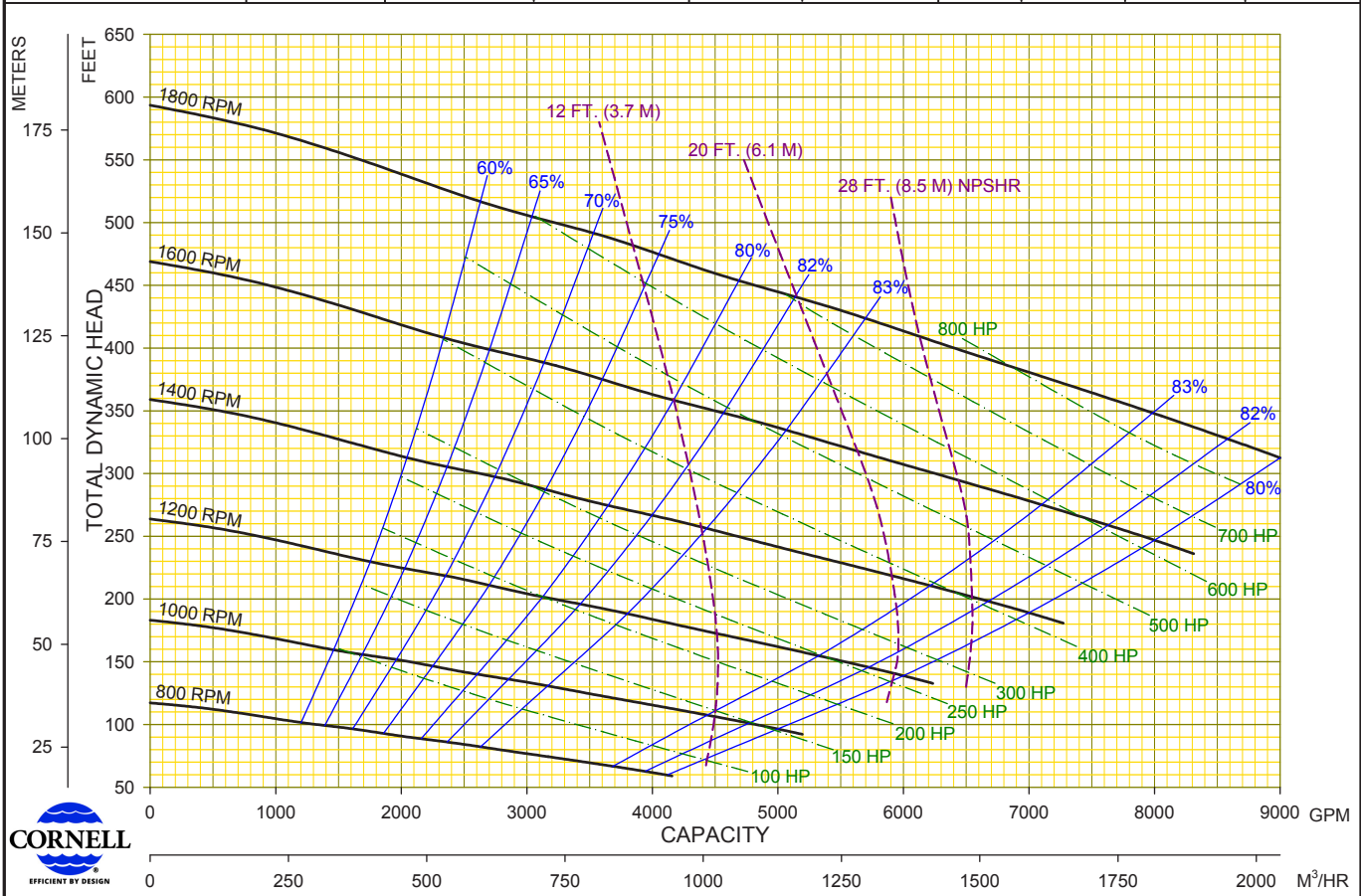
RENTAL

# 81022MP-F



Performances shown are for S.G. 1.0  
60°F water, frame mounted configuration  
with Cycloseal. 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	21.95"	ENCLOSED	DOUBLE	4.00"	1700	10"	8"	2



Cornell Pump Company • Clackamas, Oregon	02	06/24/15	CTG	MODEL : 81022MP	CURVE NO: <b>81022MPVA</b>
	00	06/21/13		TYPE : SOLIDS HANDLING	