

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

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



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

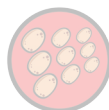
PARTS	HYBRID	HIGH CHROME
IMPELLER	CHROME IRON	CHROME IRON
VOLUTE	DUCTILE IRON	CHROME IRON
SHAFT	17-4 P.H. STAINLESS STEEL	17-4 P.H. STAINLESS STEEL
SHAFT SLEEVE	416 STAINLESS STEEL CHR. PLATED	416 STAINLESS STEEL CHR. PLATED
SUCTION COVER	DUCTILE IRON	DUCTILE IRON
BACKPLATE	DUCTILE IRON	CHROME IRON
WEAR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

The 81022MP pump is designed with Gemstone's renowned quality and durability. It features a 8" discharge, 10" suction, and enclosed impeller. Available in Hybrid or High Chrome materials. Gemstone'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)
- Heavy-duty construction
- Front adjustable wear plate
- Replaceable wear plates



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



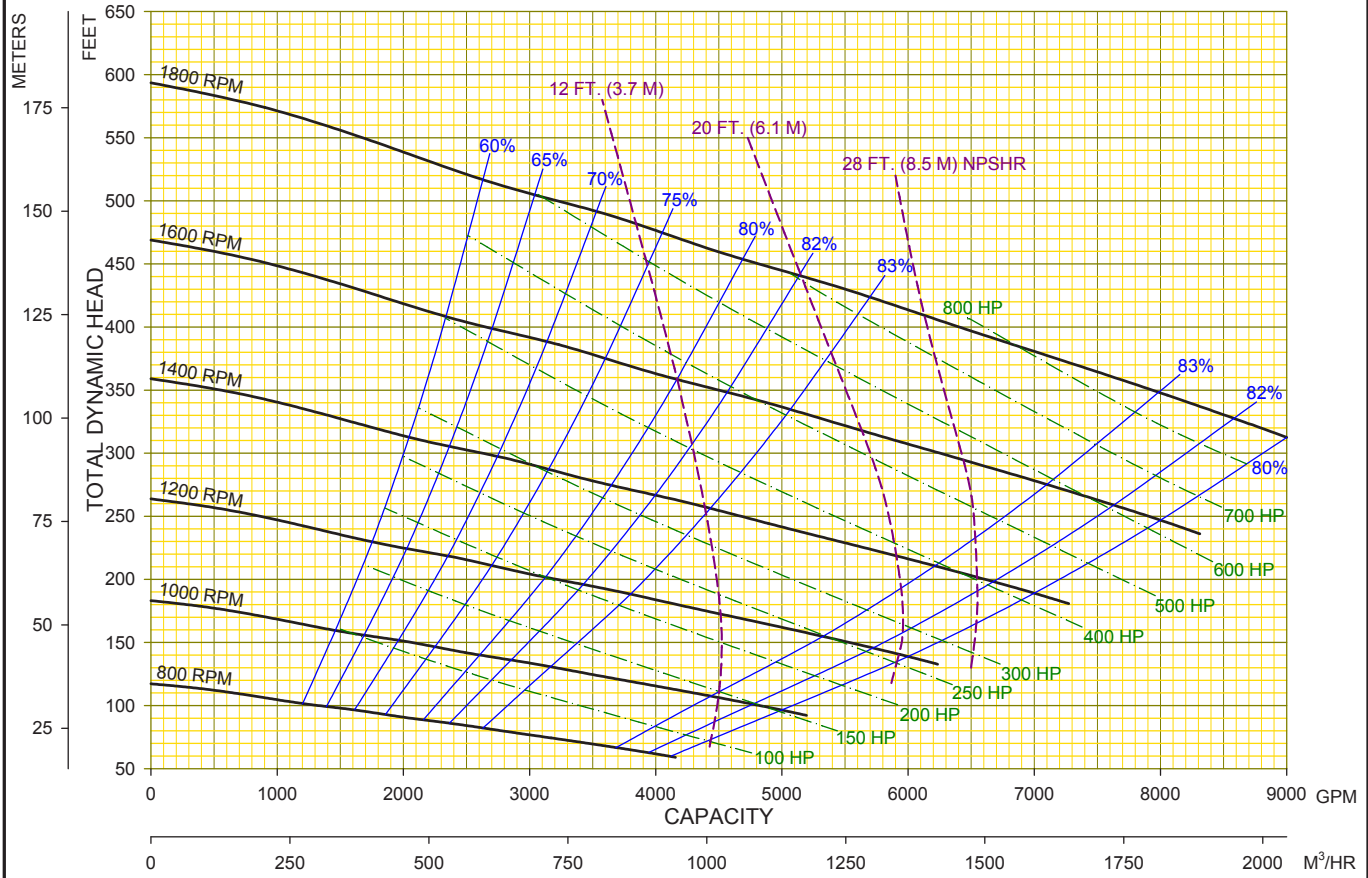
RENTAL



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

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	Suction	Discharge	No. Vanes
VARIOUS	21.95"	ENCLOSED	DOUBLE	4.00"	1700	10"	8"	2



Gemstone Pump Company	02	06/24/15	CTG	MODEL : 81022MP	CURVE NO: 81022MPVA
	00	06/21/13		TYPE : SOLIDS HANDLING	