



# 6822MX

## AVAILABLE MOUNTING CONFIGURATIONS

6822MX-F FRAME MOUNT  
 6822MX-EM ENGINE MOUNT  
 6822MX-RP-F REDI-PRIME FRAME MOUNT  
 6822MX-RP-EM REDI-PRIME ENGINE MOUNT

## OPERATING LEVELS

<b>MIN FLOW</b>	430 GPM	98 m <sup>3</sup> /h
<b>MAX FLOW</b>	4250 GPM	965 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	6"	150 mm
<b>SUCTION SIZE</b>	8"	200 mm
<b>SOLIDS HANDLING</b>	2.00"	51 mm
<b>MAX SPEED</b>	1900 RPM	1900 RPM
<b>SHUT-OFF HEAD</b>	640'	195 m
<b>BEP HEAD</b>	590'	180 m
<b>BEP FLOW</b>	3350 GPM	761 m <sup>3</sup> /h
<b>BEP PERCENT</b>	75%	75%



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	STANDARD MATERIAL
<b>WEAR RING</b>	CAST IRON
<b>IMPELLER</b>	CA6NM
<b>VOLUTE</b>	DUCTILE IRON
<b>SHAFT</b>	4140 TOOL STEEL
<b>SHAFT SLEEVE</b>	416 STAINLESS STEEL
<b>BACKPLATE</b>	DUCTILE IRON
<b>MECHANICAL SEAL</b>	TUNGSTEN CARBIDE VS. SILICON CARBIDE
<b>O-RINGS</b>	BUNA-N
<b>BEARING FRAME</b>	CAST IRON

The 6822MX pump is designed with Cornell's renowned quality and durability. It features a 6" discharge, 8" suction, and a 3 or 4 vane enclosed CA6NM impeller. The wear rings can be hardened (option) to 375-425 BHN (impeller) and 450-500 BHN (volute). Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Heavy-duty bearing frame
- Double angular contact thrust bearings
- Patented Cycloseal® design
- CA6NM Impeller is corrosion-resistant and abrasion-resistant
- Industry-leading efficiencies
- Industry-leading two-year warranty



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL &amp; GAS



REFRIGERATION



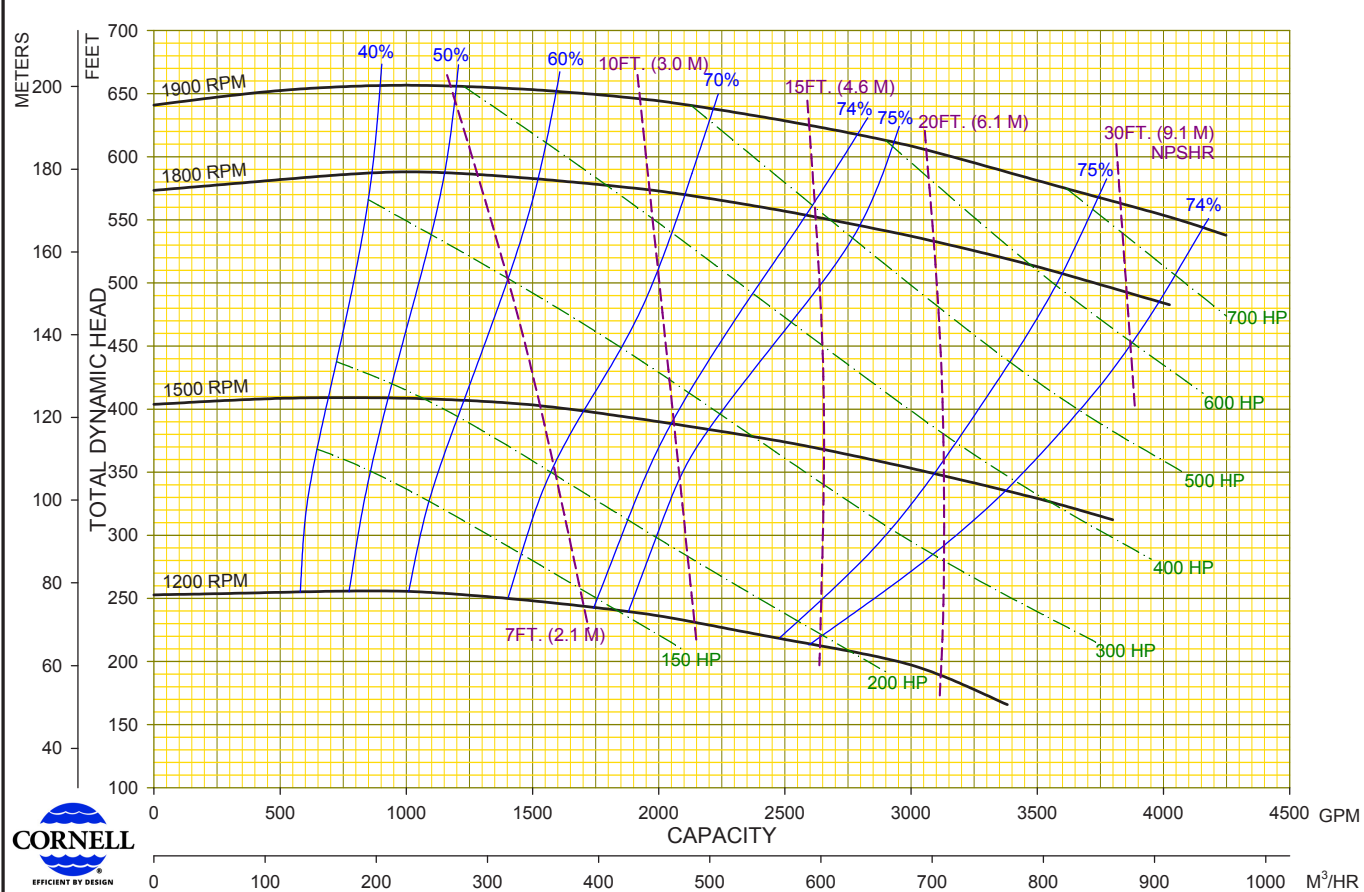
RENTAL

# 6822MX



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 <sub>s</sub>	Suction	Discharge	No. Vanes
VARIOUS	21.95"	ENCLOSED	DOUBLE	2.00"	709	8"	6"	4



Cornell Pump Company • Clackamas, Oregon	01	04/06/15	CTG	MODEL: 6822MX	CURVE NO: 6822MXVA
	00	07/22/09	---	TYPE: MX SERIES	