



### 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

MIN FLOW	430 GPM	98 m <sup>3</sup> /h
MAX FLOW	4250 GPM	965 m <sup>3</sup> /h
DISCHARGE SIZE	6"	150 mm
SUCTION SIZE	8"	200 mm
SOLIDS HANDLING	2.00"	51 mm
MAX SPEED	1900 RPM	1900 RPM
SHUT-OFF HEAD	640'	195 m
BEP HEAD	590'	180 m
BEP FLOW	3350 GPM	761 m <sup>3</sup> /h
BEP PERCENT	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
WEAR RING	CAST IRON
IMPELLER	CA6NM
VOLUTE	DUCTILE IRON
SHAFT	4140 TOOL STEEL
SHAFT SLEEVE	416 STAINLESS STEEL
BACKPLATE	DUCTILE IRON
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE
O-RINGS	BUNA-N
BEARING FRAME	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



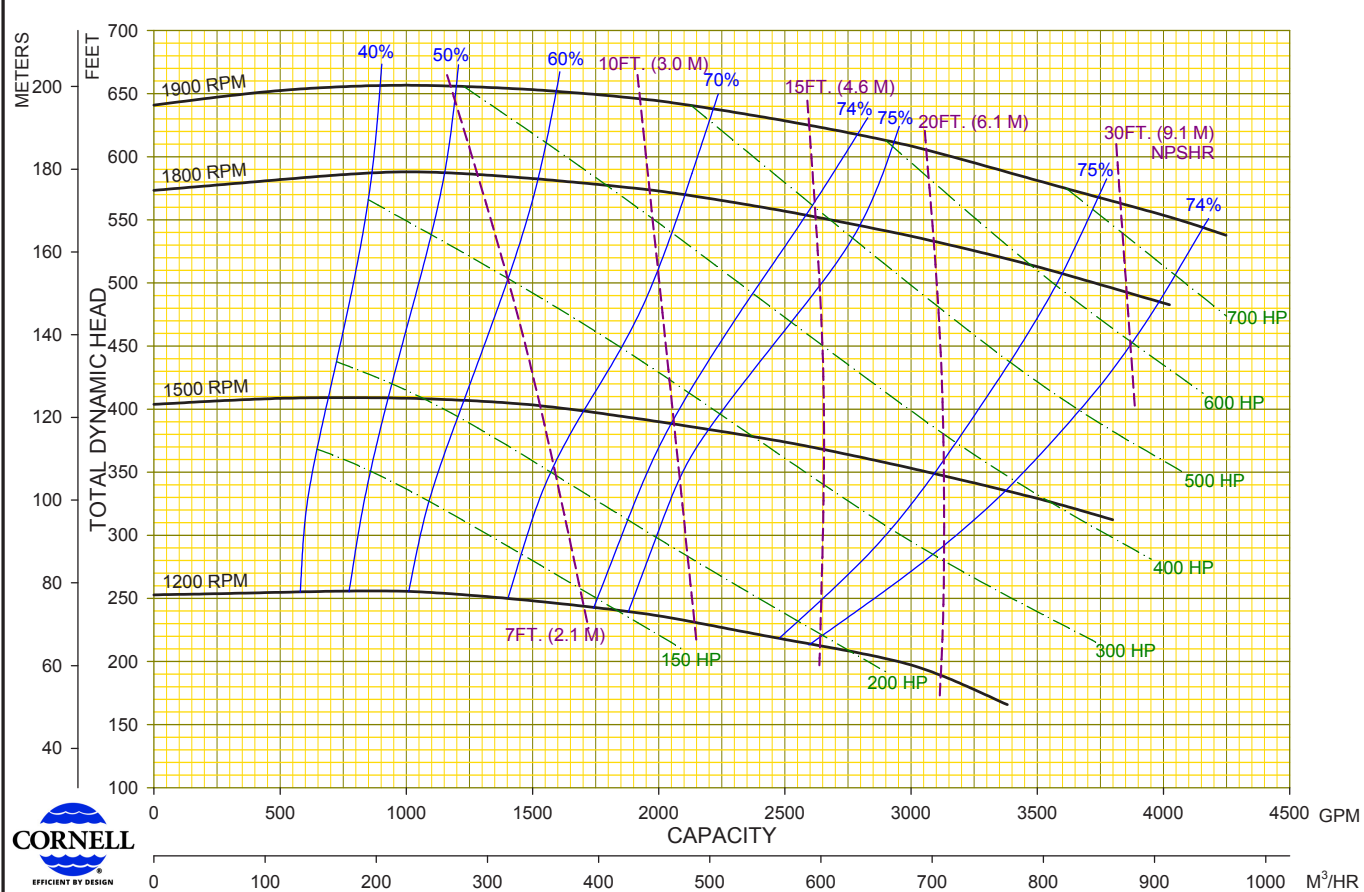
RENTAL

# 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	