

AVAILABLE MOUNTING CONFIGURATIONS

81017ZX-F FRAME MOUNT
81017ZX-RP-F REDI-PRIME FRAME MOUNT
81017ZX-EM ENGINE MOUNT
81017ZX-RP-EM REDI-PRIME ENGINE MOUNT
81017ZX-CC CLOSE- COUPLED

OPERATING LEVELS

MIN FLOW	1050 GPM	238.48 m ³ /h
MAX FLOW	6080 GPM	1380.92 m ³ /h
DISCHARGE SIZE	8"	203.2 mm
SUCTION SIZE	10"	254 mm
SOLIDS HANDLING	1.12"	28.44 mm
MAX SPEED	1800 RPM	1800 RPM
SHUT-OFF HEAD	312'	73.15 m
BEP HEAD	240'	79.24 m
BEP FLOW	4800 GPM	1090.2 m ³ /h
BEP PERCENT	82%	82%
HP RANGE	400 HP	298.28 kW
OPERATING SPEEDS	1000 to 1800 RPM	1000 to 1800 RPM



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 (ALL IRON)	CD4MCU
WEAR RING	ASTM A395 DUCTILE IRON	ASTM A890 GR 1B CD4MCU
IMPELLER	ASTM A395 DUCTILE IRON	ASTM A890 GR 1B CD4MCU
VOLUTE	ASTM A395 DUCTILE IRON	ASTM A890 GR 1B CD4MCU
BACKPLATE	ASTM A395 DUCTILE IRON	ASTM A890 GR 1B CD4MCU
BEARING HOUSING	ASTM A395 DUCTILE IRON	ASTM A395 DUCTILE IRON
SHAFT	SAE 1144 STRESSPROOF STEEL	316 STAINLESS
SHAFT SLEEVE	316 STAINLESS	ASTM A890 GR 1B CD4MCU

The 81017ZX pump is designed with Cornell's renowned quality and durability for clearwater pumpage. It features a 8" discharge, 10" suction, and enclosed impeller with a centerline ANSI dimensional volute. The pump uses a Class 150 LB. ANSI flange and a F170 bearing frame. Available in All Iron or CD4MCu materials. Frame Mounted, Engine Mounted or Close Coupled configurations are available with a Type 1 single mechanical, cartridge seals, or packing.

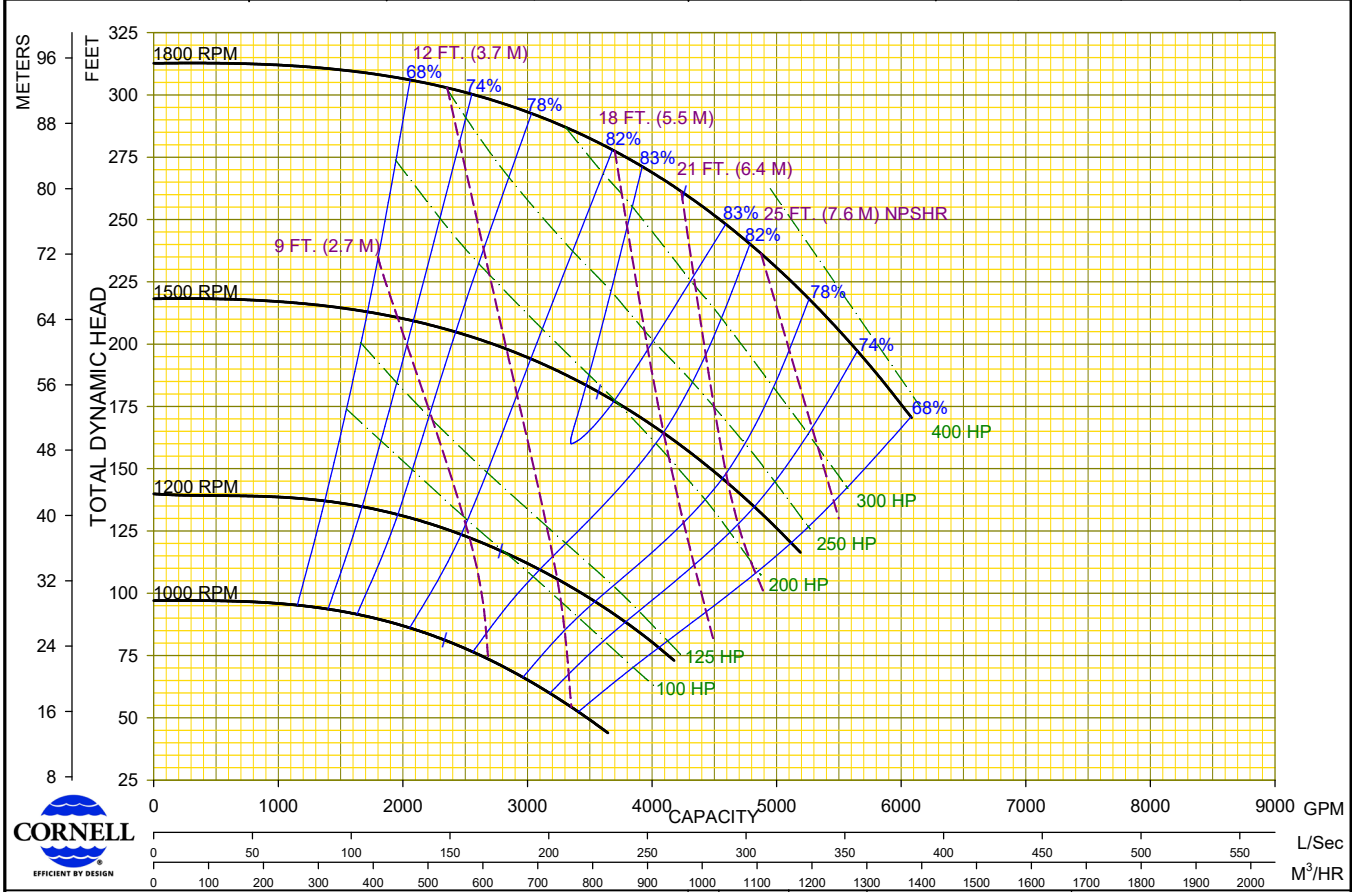
- Meets ANSI Dimensional Standards
- Centerline Construction
- Frame Mounted, Engine Mounted or Close Coupled
- Redi-Prime® or Run-Dry® available
- Oil Lubricated Bearing Frame
- Isolator Bearing Frame Seals
- Cartridge or Type 1 Mechanical Seals
- Hydraulic Balance Line
- Pulse Vibration and Temperature Monitor
- Co-Pilot Ready
- Industry-leading efficiencies
- Double Volute





81017ZX

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 _s	Suction	Discharge	No. Vanes
	VARIOUS	17.00"	ENCLOSED	DOUBLE	2.00"	1812	10"	8"	5



Cornell Pump Company • Clackamas, Oregon	X	X	X	MODEL: 81017ZX TYPE: ANSI	CURVE NO: 81017ZXVA
	00	2/7/24	CE/JRW		