



AVAILABLE MOUNTING CONFIGURATIONS	
4STH-F FRAME MOUNT	
4STH-EM ENGINE MOUNT	

OPERATING LEVELS		
MIN FLOW	175 GPM	39.75 m ³ /h
MAX FLOW	2000 GPM	454.25 m ³ /h
DISCHARGE SIZE	4"	102 mm
SUCTION SIZE	6"	152 mm
SOLIDS HANDLING	3"	76 mm
MAX SPEED	2100 RPM	2100 RPM
SHUT-OFF HEAD	225'	68.58 m
BEP HEAD	156'	47.55 m
BEP FLOW	1325 GPM	300.94 m ³ /h
BEP PERCENT	60%	60%

PARTS	STANDARD MATERIAL (ALL IRON)
VOLUTE CASING	DUCTILE IRON, ASTM A536, 65-45-12
IMPELLER	DUCTILE IRON, ASTM A536, 100-70-03
IMPELLER SCREW	304 STAINLESS STEEL
BACKPLATE/BRACKET	DUCTILE IRON, ASTM A536, 65-45-12
WEAR PLATE	MILD STEEL
BEARING FRAME	DUCTILE IRON, ASTM A536
SHAFT	17-4 PH STAINLESS STEEL
SHAFT SLEEVE	304 STAINLESS STEEL
FASTENERS	GRADE 5 STEEL
MECHANICAL SEAL	SILICON CARBIDE vs. SILICON CARBIDE, TYPE 2



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.

HIGH-HEAD SELF-PRIMER

Cornell's self-priming pump, with industry-leading efficiency, runs several percentage points higher than other manufacturers. Features patented Cycloseal® system and uniquely designed volute for best performance, with a 6" suction and 4" discharge.

- 5-year warranty, optional self-cleaning wear plate
- Modular bearing frame
- Cornell's Cycloseal with type 2 seal
- Dual protection of bearings with external seal leakage monitor (vent to atmosphere)
- Retrofit-able with existing installations
- High Efficiency Design
- Oversized oil reservoir for better cooling
- Replaceable shaft sleeve
- Heavy-duty ductile iron construction
- Designed for SAE conversion
- High RPM Capability



AGRICULTURE



FOOD



INDUSTRIAL



MINING



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OIL & GAS



REFRIGERATION



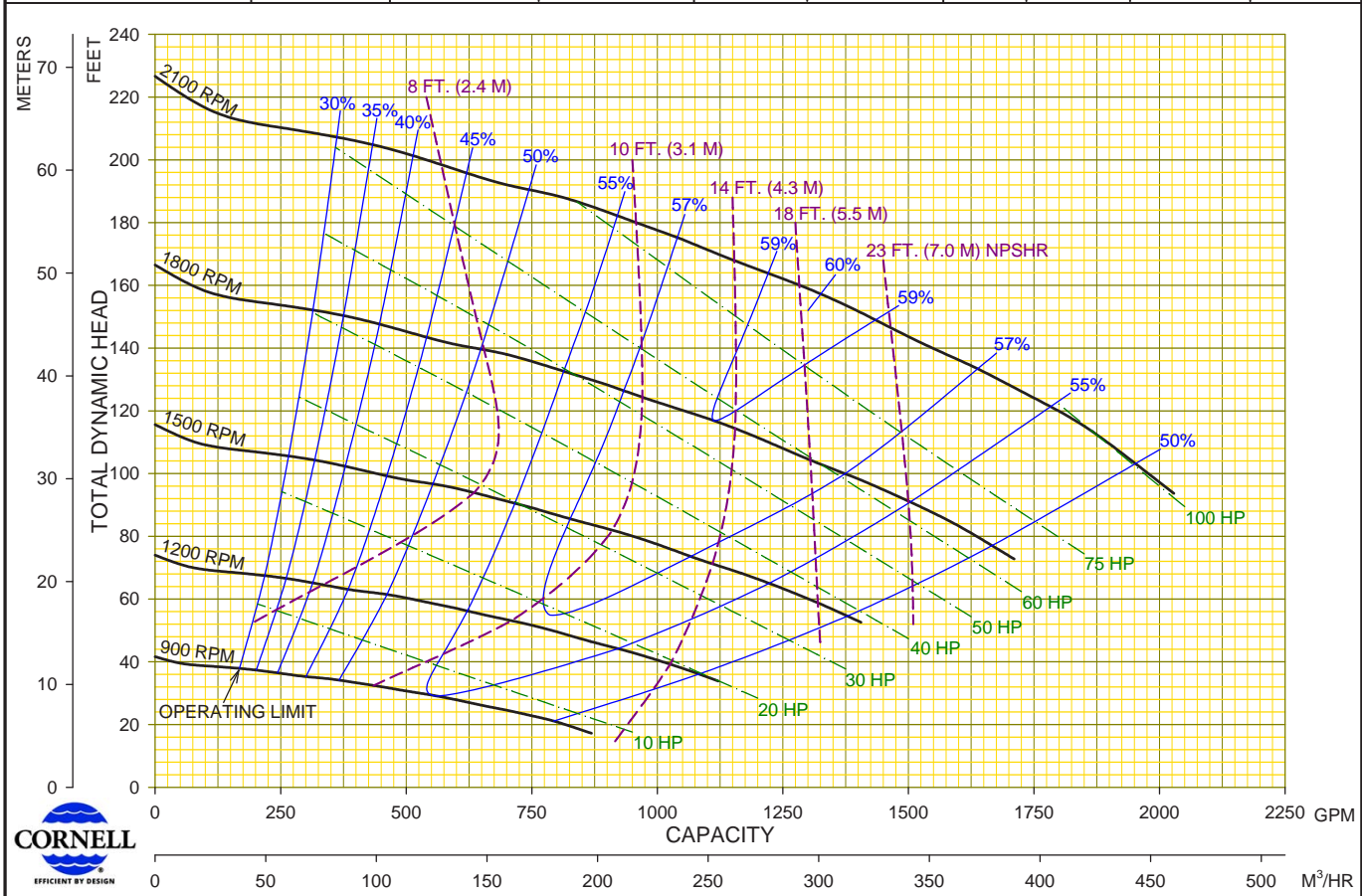
RENTAL

4STH



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	12.38"	SEMI-OPEN	SINGLE	3"	1715	6"	4"	2



Cornell Pump Company • Clackamas, Oregon	00	09/08/14	CTG	MODEL : 4STH	CURVE NO: 4STHVA
	00	09/08/14	CTG	TYPE : SELF-PRIMER	