



CORNELL PUMP COMPANY

# V-SERIES PUMPS

FOR MEDIUM DUTY APPLICATIONS



**EFFICIENT BY DESIGN**



# V-SERIES PUMPS

## CORNELL V-SERIES

Medium duty centrifugal pumps, available in horizontal close coupled and vertical mounts. Engineered to handle general purpose applications, with cost-efficient construction. V-Series pumps are durable and available in wide flow and head capabilities.

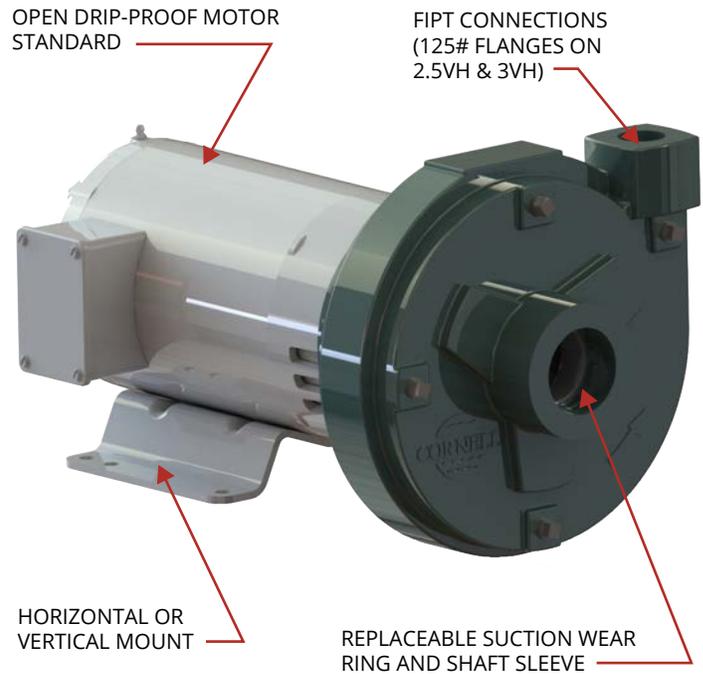
## FEATURES AND BENEFITS

The V-Series of pumps are designed with Cornell's renowned quality and durability. A type 21 single mechanical seal is standard, with Nitrile elastomers, stainless steel hardware and silicon carbide vs. silicon carbide seal faces. The series comes standard with an open drip-proof motor that operates at 1,800 or 3,600 RPM. Different motor options are available including TEFC and others.

## ALL V-SERIES PUMPS INCLUDE:

- ✓ Standard iron construction w/ stainless shaft sleeve
- ✓ Cast iron impeller
- ✓ Carbon steel motor shafts
- ✓ Back pull-out design
- ✓ Replaceable suction wear ring and shaft sleeve
- ✓ High efficiency hydraulics
- ✓ Two-year warranty
- ✓ Other mechanical seal options available

PARTS	STANDARD MATERIAL
Wear Ring	Ductile Iron
Impeller	Cast Iron
Volute	Cast Iron
Shaft	Carbon Steel
Shaft Sleeve	Stainless Steel
BP/Bracket	Cast Iron
Mechanical Seal	T21, silicon carbide vs. silicon carbide, Nitrile rubber, 304ss
Motor	ODP w/ 1.15SF



## V-SERIES ADVANTAGES:

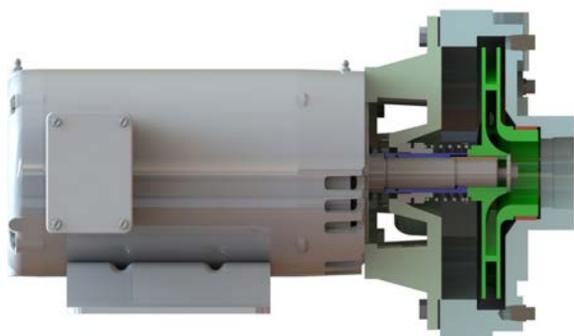
- ✓ Renowned Cornell quality
- ✓ Low-operating costs
- ✓ Exceptional pricing
- ✓ High efficiency operation; up to 80% at BEP
- ✓ Popular range of sizes
- ✓ Ease of servicing and maintaining pumps

V-SERIES PUMP MODELS	SIZE	MAX DIA	MAX FLOW	MAX HEAD
1VL	2" x 1" NPT	6"	160 GPM	150'
1.5VL	2" x 1.5" NPT	6"	290 GPM	148'
2VL	2.5" x 2" NPT	6"	445 GPM	144'
1VH	2" x 1" NPT	8"	230 GPM	285'
1.5VH	2" x 1.5" NPT	8"	330 GPM	260'
2VH	2.5" x 2" NPT	8"	475 GPM	215'
2.5VH	3" x 2.5" FLG	8"	620 GPM	250'
3VH	4" x 3" FLG	8"	960 GPM	242'

**V-SERIES PUMPS FEATURE CORNELL QUALITY REPUTATION, EXCEPTIONAL INITIAL COST, ROBUST PUMP LIFE, OPERATING AND MAINTENANCE COST SAVINGS, AND QUIET AND DEPENDABLE IN-FIELD OPERATION.**

## STANDARD MOUNTING CONFIGURATION

FOR V-SERIES PUMPS



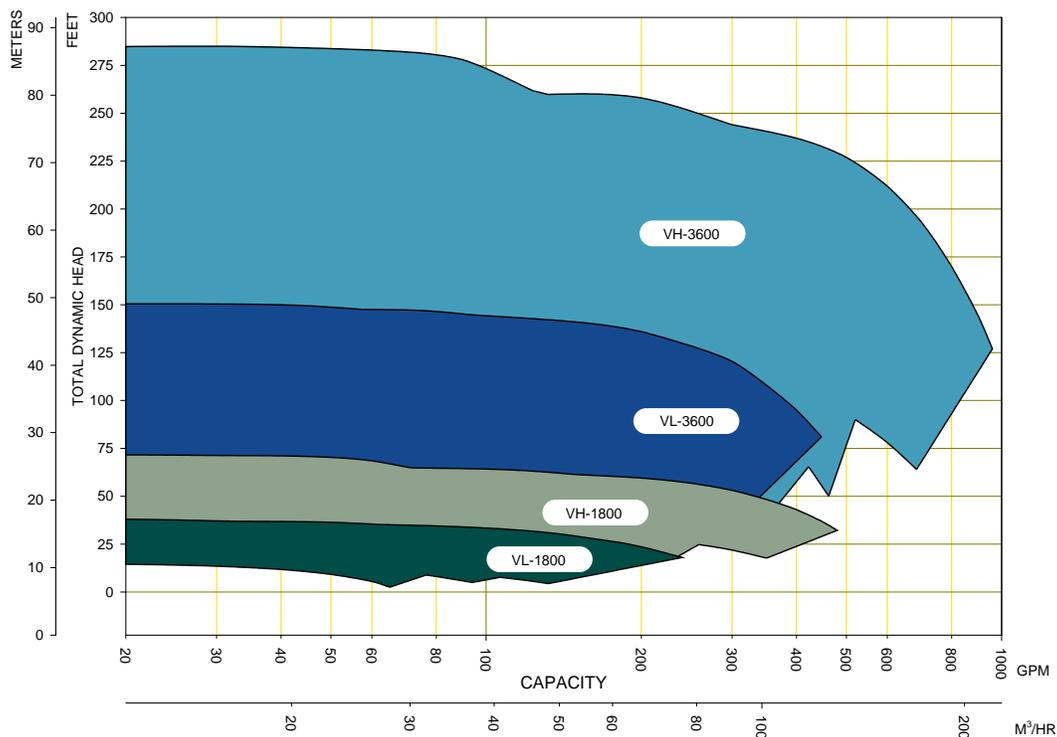
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## V STANDS FOR *VALUE*

Value is achieved through balancing durable construction, ease of replacement parts, and operating efficiency. The Cornell V series is applicable for jobs with flows up to 960 GPM, and 285 feet of head. In discharge sizes from 1" to 3", the pumps are useful in these applications:

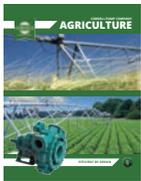
- Agriculture**
- Municipal/clear water utilities**
- Booster pumping**
- Water transfer**
- Process water**
- Water treatment**
- HVAC**

## V-SERIES FAMILY MAP

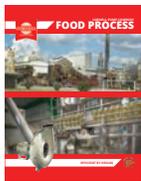




# MARKET AND PRODUCT LINE



AGRICULTURAL



FOOD PROCESS



INDUSTRIAL



MINE DEWATERING



MUNICIPAL



REFRIGERATION



OIL & GAS



CYCLOSEAL®



CHOPPER



CUTTER



EDGE™



HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



MANURE



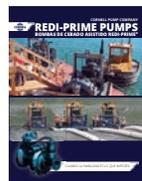
MP SERIES



MX SERIES



MX MINING



REDI-PRIME®



SELF PRIMING



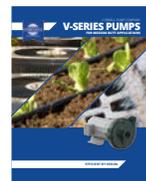
SLURRY



SUBMERSIBLE



WATER TRANSFER



V SERIES

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Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents: 3,207,485; 3,282,226; 3,295,456; 3,301,191; 3,630,637; 3,663,117; 3,743,437; 4,335,886; 4,523,900; 5,489,187; 5,591,001; 6,074,554; 6,036,434; 6,079,958; 6,309,169; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and foreign patent applications.

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