WEMCO® - HIDROSTAL® PUMPS

SCREW-CENTRIFUGAL IMPELLER OFFERS HIGH EFFICIENCY, CLOG-FREE PUMPING

WEMCO® HIDROSTAL® PUMP

Unique screw/centrifugal impeller permits clog-free pumping with 80% + efficiencies.

The screw/centrifugal impeller with *open channel* design — combines the clog-free features of a vortex pump... the gentle action of a screw pump... and the high efficiency of a centrifugal pump.

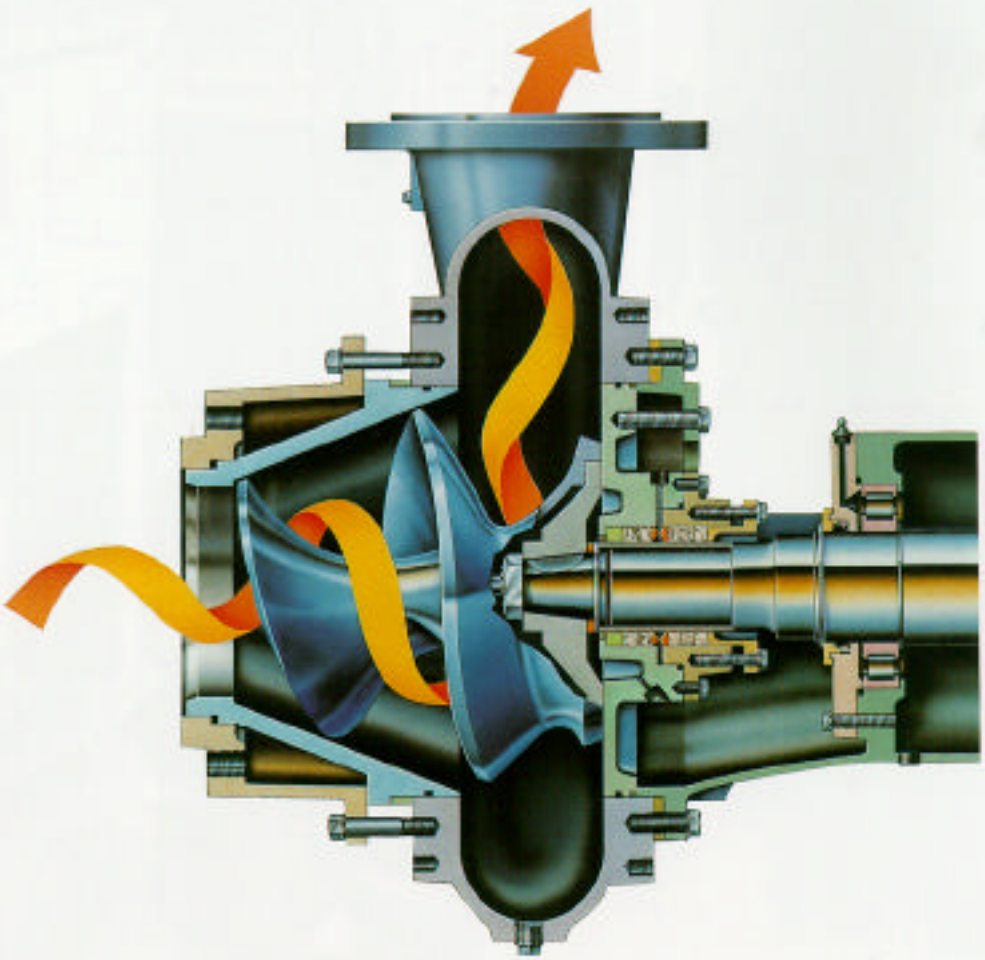
The screw section produces positive action. In clear liquid, it performs like an Archimedes spiral. In thick sludges, slurries, and suspended solids, it burrows like a corkscrew to *start* material moving and *keep* it moving.

The centrifugal section produces steep head-capacity curve for non-overloading performance.

Combined, the screw/centrifugal action provides high, hydraulic efficiencies and clog-free pumping. The large, continuous open channel — from suction to discharge — makes it possible to handle large, soft solids with efficiencies of more than 80%.

Performance and economic advantages:

1. **High Efficiency** — reduces power costs. (Connected H.P. can now cost as much as $1,000 per H.P. per year.)
2. **Clog-free Operation.** No blockages mean minimum attention and minimum maintenance, except for periodic adjustments.
3. **Gentle Action** — prevents damage to delicate solids.
4. **Steep Head-Capacity Curve** — minimizes interruptions in capacity, prevents motor overloads, and provides additional pressure to blow out plugs.
5. **Low NPSH requirements** help to keep thick sludges and large solids moving as available suction head decreases. It also reduces installation costs.
6. **Positive suction flow** — enables pump to handle thick sludges.
7. **Externally adjustable liner.**
8. **Abrasion resistant construction** — with 550 Brinell, Hi-chrome iron impeller & externally adjustable suction liner available.



*Hidrostal screw-type centrifugal impeller as referenced in original U.S. Patent #3,156,190 issued to Martin Staehle.

Efficiency

Smooth flow, and low turbulence produced by the screw/centrifugal impeller, keep hydraulic losses to a minimum. The result is pumping efficiencies unequaled by any other "clog-free" pump.

Clog-free

The large, *open channel*, from suction to discharge, produces highly efficient clog-free operation. The screw tip has a shoulder shield to prevent blade edges from hooking into solids such as long, fibrous materials.

So-called non-clog pumps, such as standard one-port or two-port, are not really clog-free because fibrous materials and solids can hang up on the impeller vane edge as they enter the suction. What's more, material must make an abrupt 90° turn between the inlet and discharge. Large, irregular objects can lodge here and cause clogging and possible mechanical damage if not quickly freed.

While vortex pumps also provide true clog-free performance, they lack the high efficiency of the WEMCO-HIDROSTAL pump.

Applications requiring clog-free performance:

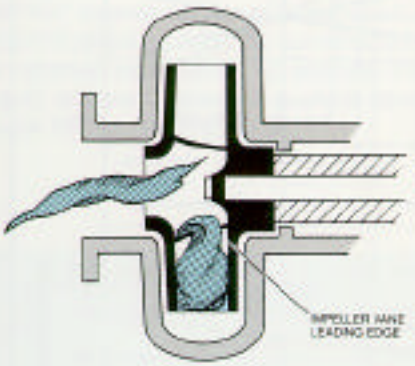
1. Raw sewages & sludges.
2. Food handling.
3. Paper stock & wood chips.
4. Sump cleanup.

Gentle Action

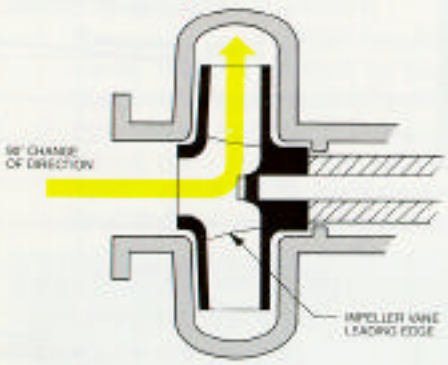
Material enters the pump at a low entrance angle, where it flows through a smooth, open channel to the discharge... *without* abrupt changes of direction. This gentle action enables fragile material to move through the pump without damage. Vane pumps cannot provide this gentle handling because of the abrupt 90° turn, and high turbulence that material encounters.

Applications requiring gentle actions:

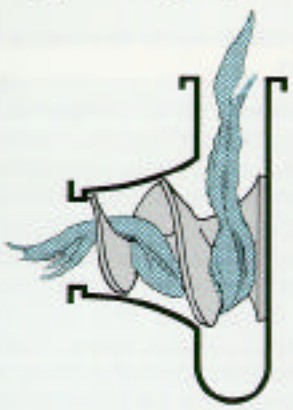
1. Crystalline compounds.
2. Bacterial floc.
3. Easily damaged fruits and vegetables.
4. Live fish. WEMCO-HIDROSTAL pumps have been selected by a major consulting firm and several utilities as the safest method of removing live fish from cooling-water inlets.



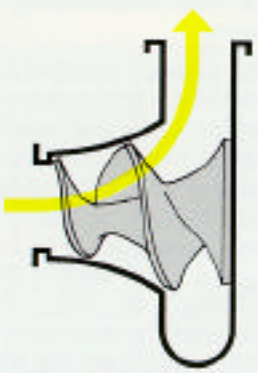
CONVENTIONAL NON-CLOG PUMP
Rags and fibrous materials hang up on leading edge.



Abrupt 90° change in flow direction



WEMCO-HIDROSTAL PUMP
Rags and fibrous materials can't hang up in open channel.



Gentle change in flow direction

Steep head-capacity curve

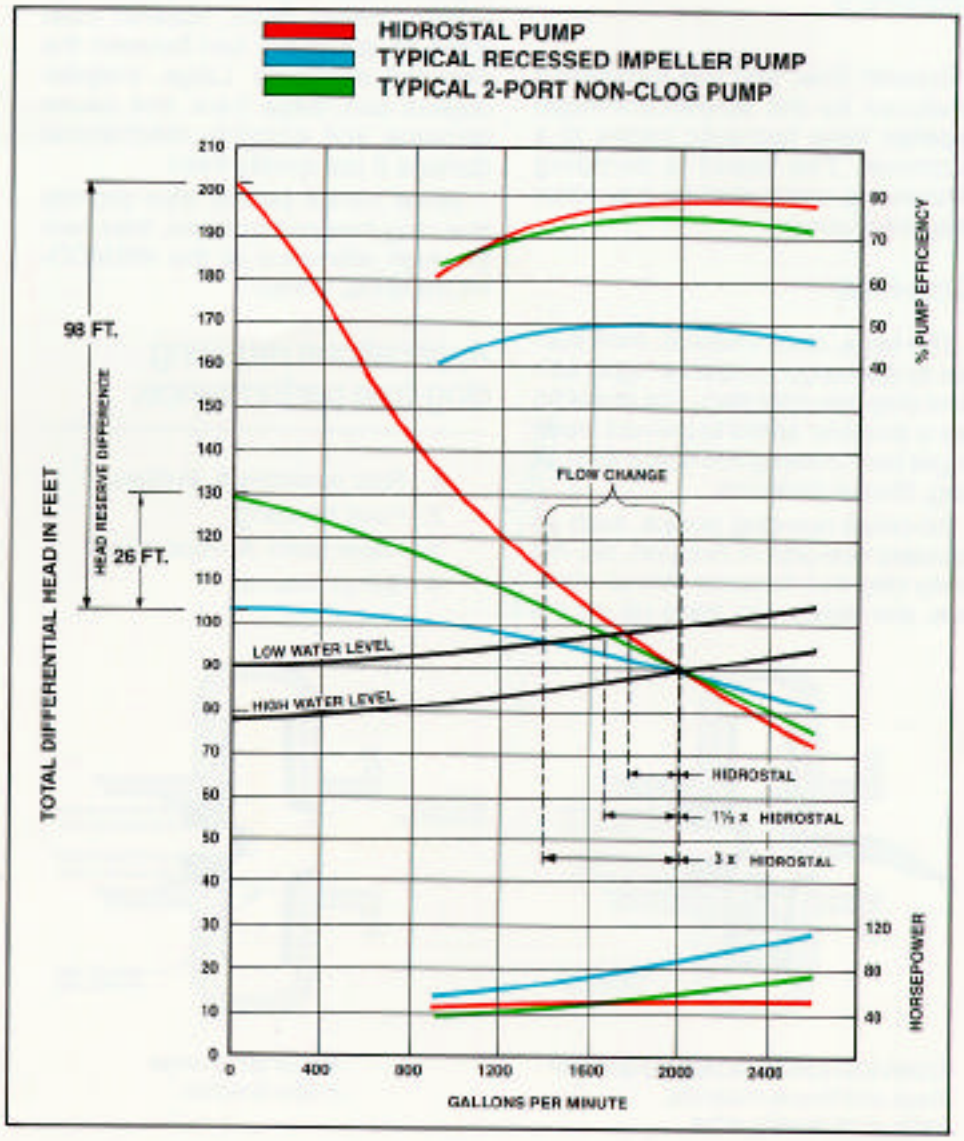
The head produced by the Wemco-Hidrostal pump drops or climbs very quickly as flow rate changes, thus resulting in a "steep" slope. This type of performance is ideal for most applications.

1. Compensates for system head changes.

The head requirement of every pump depends on the piping, static lift, flow requirements, and resistance to flow of the material being pumped. These factors define the application's system-head requirements, which then "tell" centrifugal type pumps where they should operate on their own characteristic pump curve.

As liquid levels vary or sludge consistency changes, the system head curve changes, and the pump has to operate on a different portion of its head capacity curve.

When the Hidrostal screw/centrifugal pump encounters system head changes, capacity changes are small, as shown on the curve. However, most non-clog pumps (vortex or vane) have very flat head-capacity curves, so a small change in the system head can substantially reduce capacity. To maintain the flow rate near original design these pumps often require expensive variable speed drives.



2. Supplies ample head reserve.

If a blockage occurs in the pumping system's discharge piping, the normal system head curve steepens due to the large pressure resistance. With normal non-clog (vortex or vane) pumps there is a very small head reserve between the normal flow rate and pump shut-off with which to dislodge these blockages.

However, the WEMCO-HIDROSTAL pump, with its steep head capacity curve, offers a large head reserve which is often enough to blow out the blockage without having to rod or pig lines.

3. Produces "non-overloading" power curve.

The horsepower curve of the WEMCO-HIDROSTAL pump is relatively flat throughout normal operating range and in many cases actually begins to drop as capacity increases. This is because the head drops more quickly than the flow increases. Less work is therefore being done by the pump, so the HP requirement is reduced. It is impossible to overload the motor when the capacity increases due to a drop in head, so interruptions in pumping due to motor overload are prevented.

Most vane and vortex pumps have constantly rising HP curves. Motors selected for specific operating points can become overloaded with a drop in head, and the only protection is to buy an oversized motor. Combined with the larger electrical starting equipment and service necessary to run this larger motor, the capital and operating costs of these pumps can be significantly more than the Hidrostal screw/centrifugal pump.

Low NPSH requirements

NPSHR (net positive suction head requirement) is the minimum absolute pressure required to keep a pump performing effectively.

The WEMCO-HIDROSTAL has one of the lowest NPSH requirements of any centrifugal pump. This is because its screw/centrifugal impeller produces a smooth, low-turbulence flow that gradually builds pressure without sustaining the high entrance losses usually associated with normal high-turbulence pumping.

The screw portion of the impeller actually acts as a suction inducer, but unlike ordinary inducer pumps, it can handle *large solids*.

Low NPSH requirements help to keep sludge moving as available suction head decreases. This is a substantial economic benefit, because it doesn't require additional construction, or special installation, to elevate the liquid source to meet a pump's minimum NPSH requirements.

Applications requiring low NPSH:

1. Hot liquids.
2. Low vacuum suction sources.
3. Liquids near their vapor pressure.
4. Heavy sludges or paper stock.
5. Stripper bottoms.

Positive suction flow for sludge handling

The corkscrew action of the screw impeller, plus its low NPSH requirements provide the suction flow necessary to *start* sludge moving and *keep* it moving. In addition, the steep head-capacity curve makes it possible to pump sludges of widely varying consistencies without changing speed. It also provides reserve head for dislodging temporary line blockages.

Positive displacement pumps may be ideal for handling thick sludges, but they are expensive, and have problems with large solids — usually requiring grinders in front of the pump. They are impractical for high-volume pumping, and require extensive maintenance. While vane pumps can handle some sludges, their capabilities are limited by the following factors:

1. Relatively high NPSH requirements make it difficult to start sludge moving and keep it moving.
2. Relatively flat head-capacity curves can't provide the reserve head necessary to compensate for changes in sludge consistency.

Applications requiring positive suction flow for sludge handling:

1. Paper mill waste.
2. Municipal and industrial sludges.
3. Viscous materials.
4. Medium density pulp stock.

Adjustable Liner

The clearance between the impeller and suction liner is a factor in any pump's performance and must be adjusted at intervals to compensate for wear. Wemco's optional adjustable liner easily does this by means of three external regulator screws. Other pumps, lacking this feature, must rely on shims between the case and suction piece. Those who have to maintain large pumps, or pumps in abrasive service, will especially welcome the adjustable feature.

Optional Abrasion-Resistant Impeller and Liner

For abrasive applications, the impeller and adjustable suction liner are available in 550 Brinell hardened Hi-Chrome iron (ASTM A532-III-A).

Applications Requiring Adjustable Liner and/or Abrasion Resistance

1. Most gravity thickened sewage sludges (except secondary).
2. Sewage and stormwater.
3. Lift stations that handle high infiltration loads.
4. Lagoon sludges.
5. Most vertical installations.
6. Most horizontal installations with 6" or larger pump sizes.
7. Wood room, bark, and chip operations.

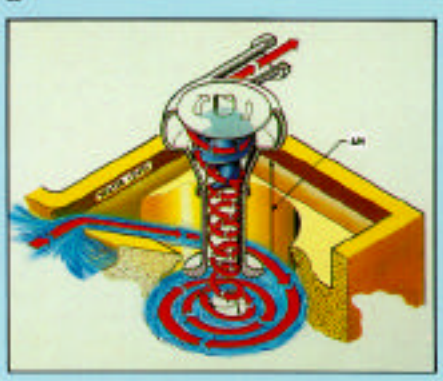
New, patented pump system — economical solution to varying inflow rates

The Prerostal® prerotation system is a unique, economical, uncomplicated method of automatically adjusting pumping volume to varying inflow rates using a CONSTANT SPEED MOTOR/PUMP. It combines the screw centrifugal impeller characteristics of the Hidrostal pump with a specially configured vortex inducing chamber around the suction pipe of the pump. The chamber utilizes gravity to impart a fluid spin in the same direction of rotation as the pump impeller, and this spin produces a flow reduction without the necessity of changing pump speed.

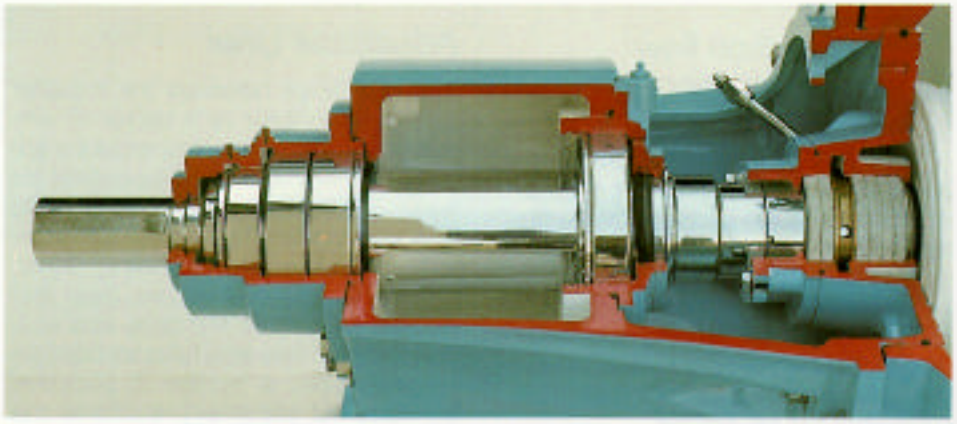
Benefits include:

1. Lower overall energy use than variable speed installations.
2. Less capital investment than other systems.
3. Less maintenance.
4. No sophisticated controls to service.

Your WEMCO representative will be happy to show you how this system can be of benefit to your specific application. Ask for bulletin P25-84.

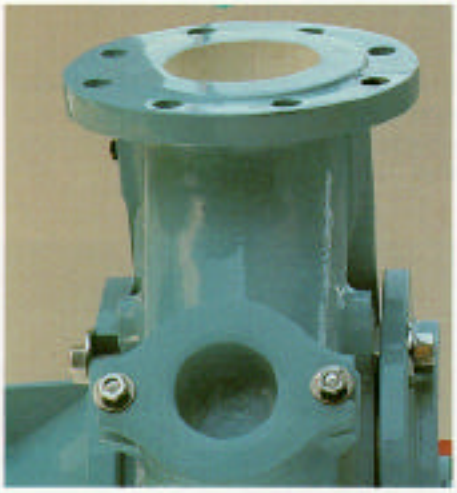


WEMCO-HIDROSTAL PUMP FEATURES

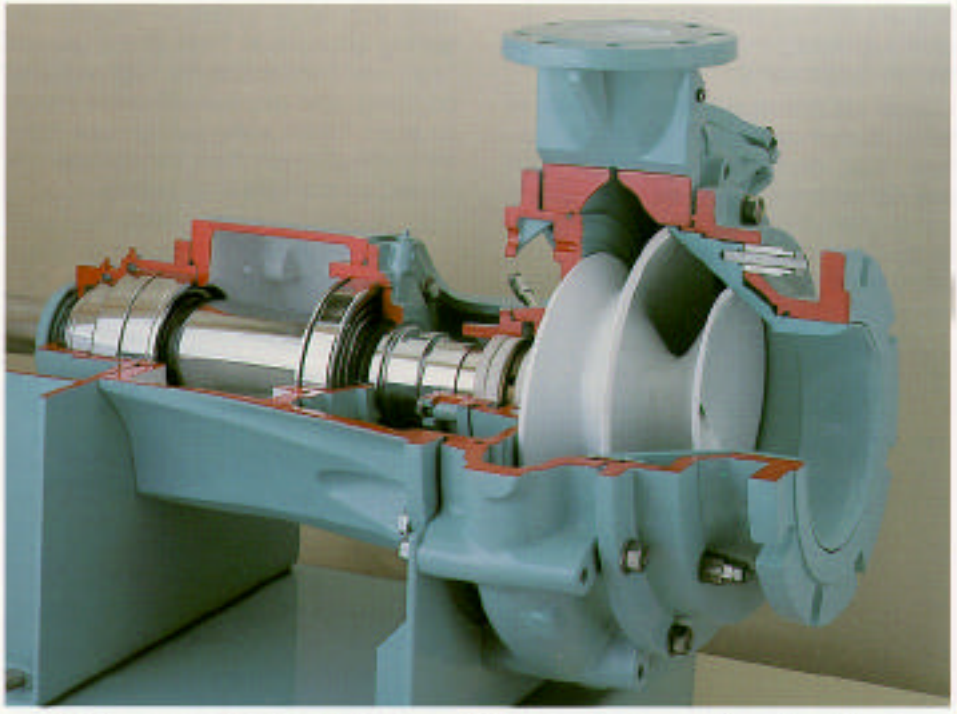


Large shafts and oversize bearings extend bearing life.

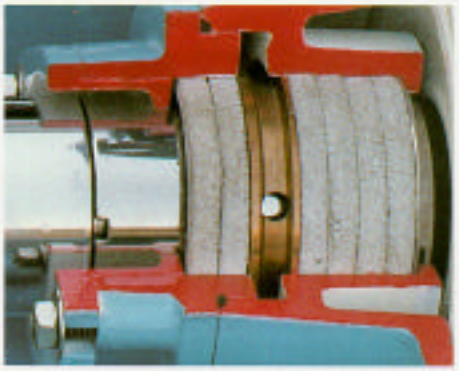
Optional liner easily adjusts for wear with external regulator screws.



Inspection port.

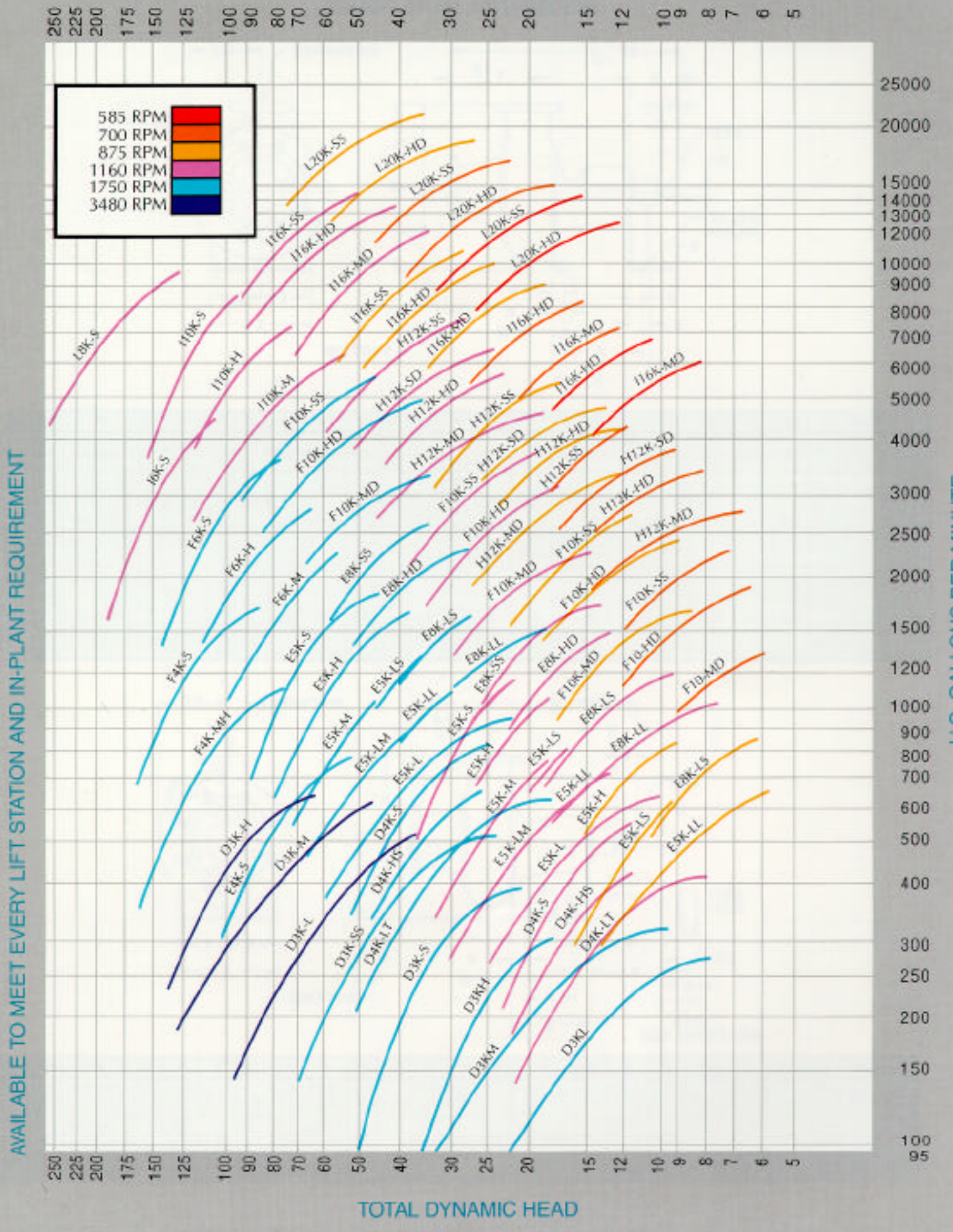


Back pullout design permits removal of bearing housing and impeller without disconnecting the casing from the suction and discharge piping.

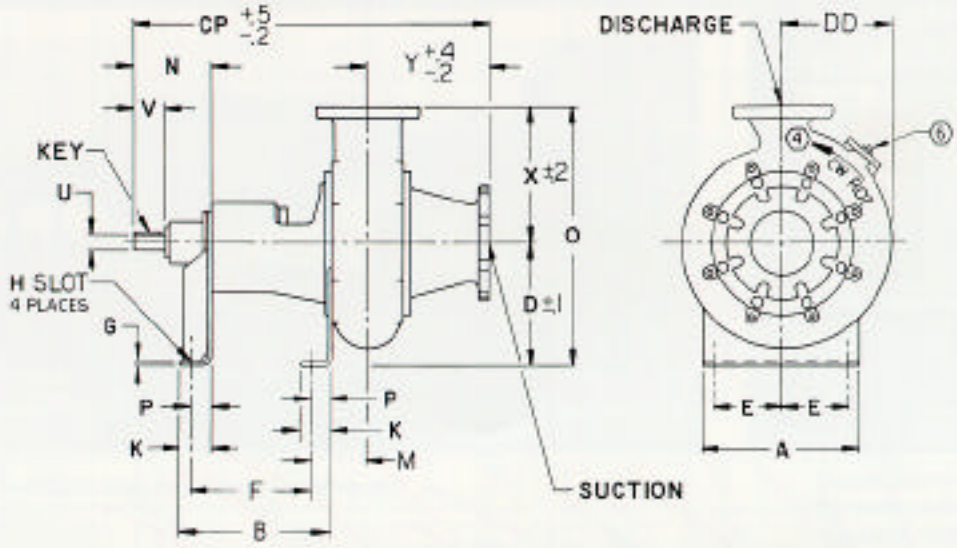


Special radially split packing box for easy replacement of deepest (front) packing rings.

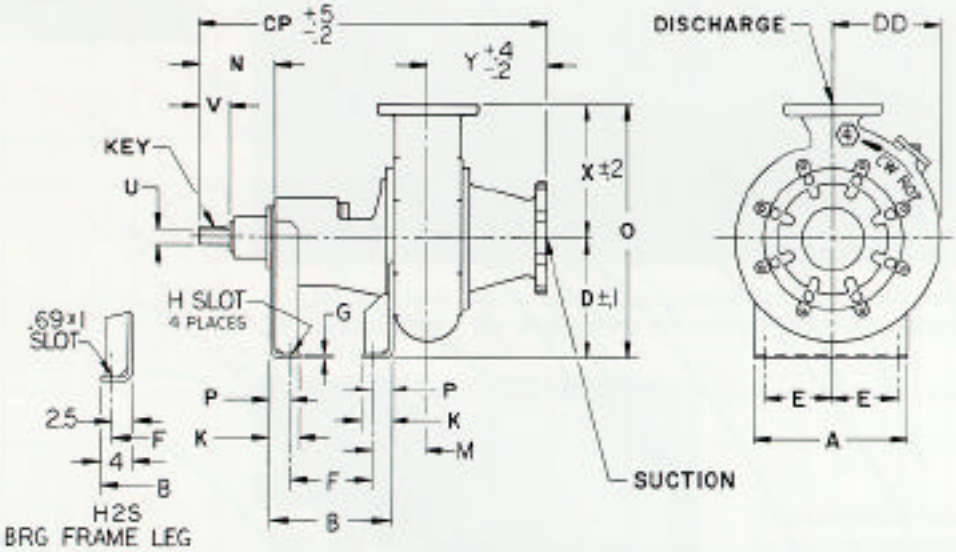
WIDE RANGE OF SIZES



DIMENSIONS
HORIZONTAL BARE PUMPS

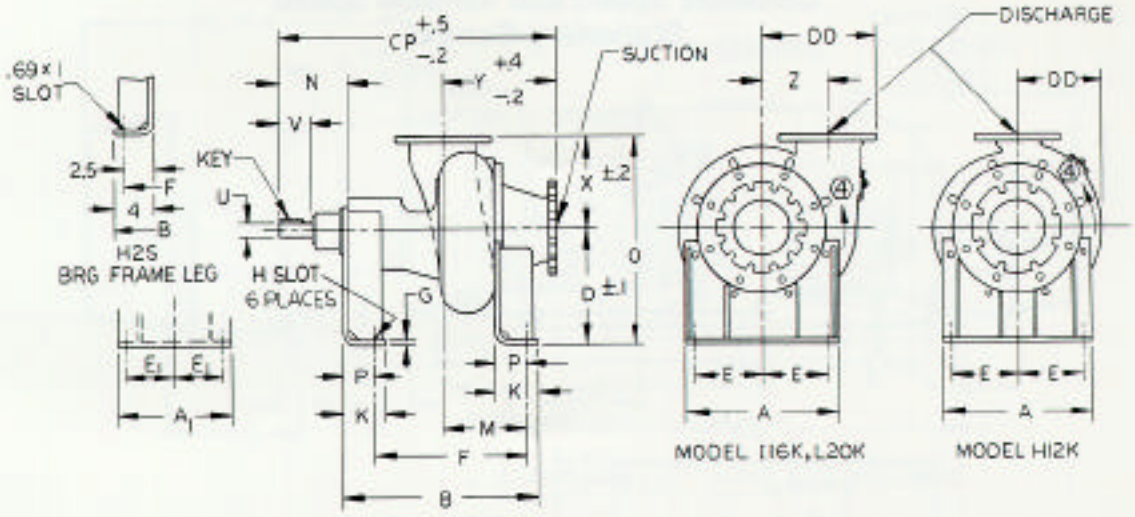


PUMP	BRG	A	B	D	E	F	G	H	K	M	N	O	P	U	V	X	Y	CP	DD	KEY	SUC	DIS
D3K-H,-L,-M,-S	D0S	13.25	12.50	8.5	5.50	10.25	.25	.56x1	2.25	3.72	7.4	17.0	1.5	32mm	2.8	8.5	6.5	26.3	6.9	10x8mm	4	3
D4K-HS,-LT,-S										4.57		18.3				9.8	7.1	27.8	7.9			4
E4K-S	E2S	16	14.57	12.0	7.00	11.57	.38		3	5.15	7.5	25.0	2	42mm	3.0	13.8	8.6	30.8	10.4	12x8mm	6	4
E5K-L,-LM										5.42							9.1	31.5				5
E5K-H,-LL,-LS,-M,-S																	9.6	32.1				
E8K-HD,-SS				15.0						5.94		30.7				16.7	10.9	33.9	13.3		8	8
E8K-LL,-LS																	9.1	32.1			6	
F4K-MH,-S	F2S	18.5	19.95	12.0	8.00	15.95		.69x1	4	5.65	10.6	26.3	2.5	60mm	4.5	14.3	9.6	39.4	11.3	18x11mm	8	4
F6K-L,-M				15.0						5.75		31.1				16.1	10.6	41.5	13.2			6
F6K-H,-S																	13.0	43.8				
F10K-MD				18.0						7.50		36.7				18.7	12.7	44.3	15.6		10	10
F10K-HD,-SS																	13.4	45.0				

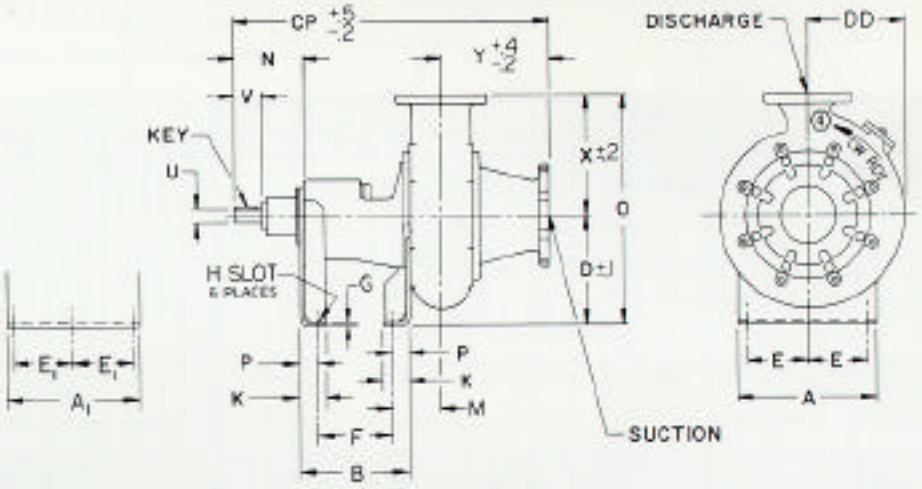


PUMP	BRG	A	B	D	E	F	G	H	K	M	N	O	P	U	V	X	Y	CP	DD	KEY	SUC	DIS
H5K-MH,-S	H2S	22.5	20.93	15.0	9.75	15.93	38	.81x1.06	6	7.28	10.6	33.1	3.5	60mm	4.5	18.1	11.0	42.4	14.1	18x11mm	10	5
	H4S		27.26			20.26					6.9			90mm	5.9			48.6		25x14mm		
H8K-M	H2S		20.93	18.0		15.93				8.70	10.6	38.9		60mm	4.5	20.9	12.9	45.7	16.3	18x11mm		8
	H4S		27.26			20.26					6.9			90mm	5.9			51.9		25x14mm		
H8K-H,-S	H2S		20.93			15.93					10.6			60mm	4.5		15.7	48.4		18x11mm		
	H4S		27.26			20.26					6.9			90mm	5.9			54.6		25x14mm		

DIMENSIONS
HORIZONTAL BARE PUMPS

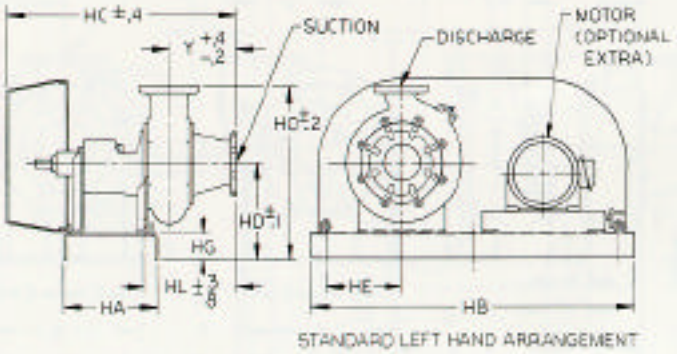


PUMP	BRG	A	A_1	B	D	E	E_1	F	G	H	K	M	N	O	P	U	V	X	Y	Z	CP	DD	KEY	SUC	DIS
H12K-HD,-SD,-SS	H2S	22.5	—	37.32	24.0	9.75	—	33.32	.38	.81x1.06	6	13.89	10.6	49.6	3.5	60mm	4.5	25.6	23.4	—	51.0	22.0	18x11mm	12	12
	H4S			43.66				37.66					6.9			90mm	5.9				57.2		25x14mm		
H12K-MD	H2S			38.11				34.11					10.6			60mm	4.5		21.9		49.5		18x11mm		
	H4S			43.66				37.66													55.7				
H16K-HD,-MD,-SS	H1S	28.25	22.5	46.97	30.0	12.00	9.75	40.97				15.43	6.9	49.7		90mm	5.9	19.7	26.4	17.3	61.9	29.1	25x14mm	16	16
	H4+7S			51.57				45.57					7.0								66.7				
L20K-HD,-SD,-SS	L1 S	32		48.58	37.0	13.50		42.48				17.87	6.9	61.8				24.8	33.5	21.8	68.2	35.6		20	20
	L4+7S			53.19				47.19					7.0								72.9				

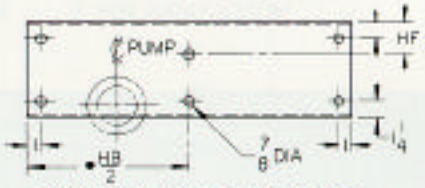


PUMP	BRG	A	A_1	B	D	E	E_1	F	G	H	K	M	N	O	P	U	V	X	Y	CP	DD	KEY	SUC	DIS
H6K-MH,-S	H1S	28.25	22.5	29.04	18.0	12.00	9.75	22.04	.38	.81x1.06	6	8.22	6.9	40.6	3.5	90mm	5.9	22.8	14.7	55.8	17.6	25x14mm	12	6
	H4+7S			33.64				26.64					7.0							59.7				
H10K-M	H1S			29.04	24.0			22.04				9.76	6.9	49.6				25.8	17.0	58.8	20.5			10
	H4+7S			33.64				26.64					7.0							63.5				
H10K-H,-S	H1S			29.04				22.04					6.9						20.2	62.8				
	H4+7S			33.64				26.64					7.0							66.7				
L8K-MH,-S	L1S	32		29.19	24.0	13.50		22.19					6.9										16	8
	L4+7S			33.80				26.80					7.0											
L12K-M	L1S			29.19	27.0		9.75	22.19				11.18	6.9	59.3				32.3	20.9	64.3	25.2			12
	L4+7S			33.80				26.80					7.0							69.0				
L12K-H	L1S			29.19				22.19					6.9						22.0	65.3				
	L4+7S			33.80				26.80					7.0							70.1				

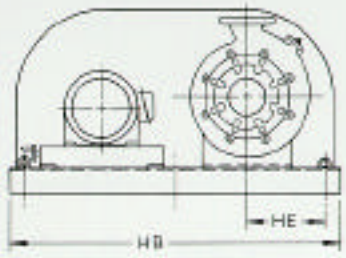
DIMENSIONS
HORIZONTAL SIDE MOUNT PUMPS
Constant Speed and Variable Speed
Stationary Control



STANDARD LEFT HAND ARRANGEMENT



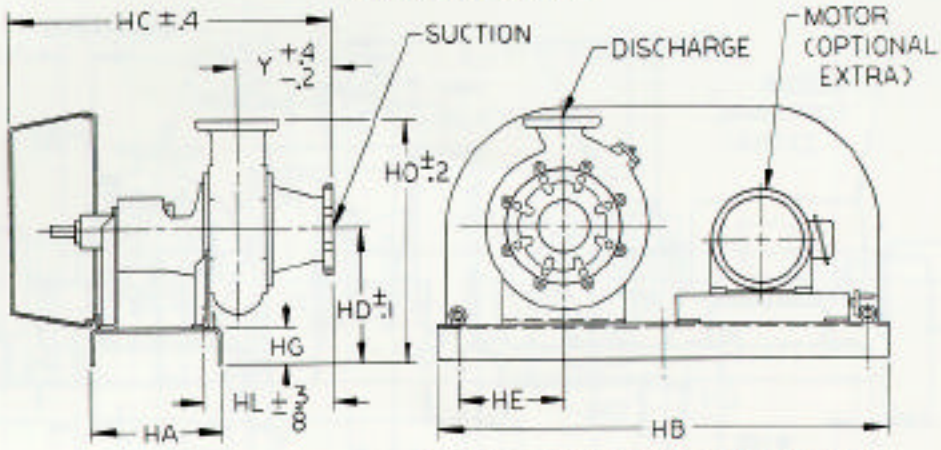
•6 HOLES ON BASES 56 OR LONGER



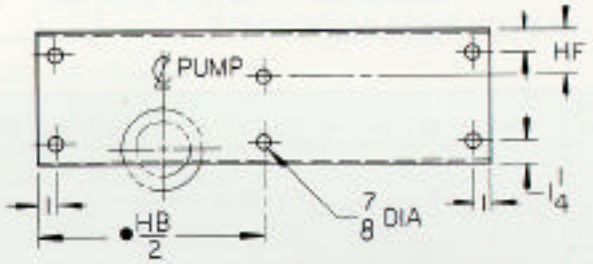
OPTIONAL RIGHT HAND ARRANGEMENT

PUMP	BRG	MOTOR FRAME	HA	HB	HC	HD	HE	HF	HG	HL	HO	Y	SUC	DIS
D3K-H,-L,-M,-S	DDS	143T-215T	20	47	31.2	11.5	13.5	–	3	8.8	20.0	6.5	4	3
D4K-HS,-LT,-S					32.7					10.3	21.3	7.1		4
E4K-S	E2S	145T-284T	23	56	38.3	15	15	8	3	9.4	28.0	8.6	6	4
E5K-L,-LM		145T-254T			39.1					10.1		9.1		5
E5K-H,-LL,-LS,-M,-S		145T-284T			39.6					10.6		9.6		
		286T	26	67	43.2			6		5.9				
E8K-HD,-SS		182T-284T	23	56	41.4	18		8		12.4	33.7	10.9	8	6
		286T-324T	26	67	45.0			6		7.7				
E8K-LL,-LS		145T-284T	23	56	45.0			8		10.6		9.1	6	
F4K-NH,-S	F2S	182T-284T	26	56	45.3	15	15	8		12.8	29.3	9.5	8	4
		286T-364T		67	48.9		15.5	6		11.6				
F6K-L,-M		213T-284T		56	47.4	18	15	8		14.9	34.1	10.6	8	6
		286T-324T		67	51.0		15.5	6		13.7				
F6K-H,-S		213T-284T		56	49.8		15	8		17.3		13.0		
		286T-365T		67	53.4		15.5	6		16.1				
F10K-MD	F2S	213T-215T	26	56	50.3	21	15	8	3	17.8	39.7	12.7	10	10
		254T-326T		67	53.8		15.5	6		16.5				
F10K-HD,-SS		213T-215T		56	51.0		15	8		16.5		13.4		
		254T-365T		67	54.5		15.5	6		17.2				
H5K-NH,-S	H2S		26	67	51.9	19	17.5	6	4	14.6	37.1	11.0	10	5
	H4S		31		56.7									
H8K-N	H2S		26		55.2	22				17.9	42.9	12.9		8
	H4S		31		60.0									
H8K-H,-S	H2S		26		58.0					20.7		15.7		
	H4S		31		62.8									
L6K-MH,-S	11S		33		63.1					18.8	44.8	14.7	12	6
	12S		38		67.8									

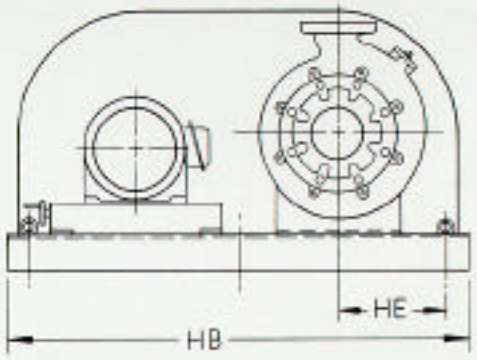
DIMENSIONS
HORIZONTAL SIDE MOUNT PUMPS
Motion Control



STANDARD LEFT HAND ARRANGEMENT



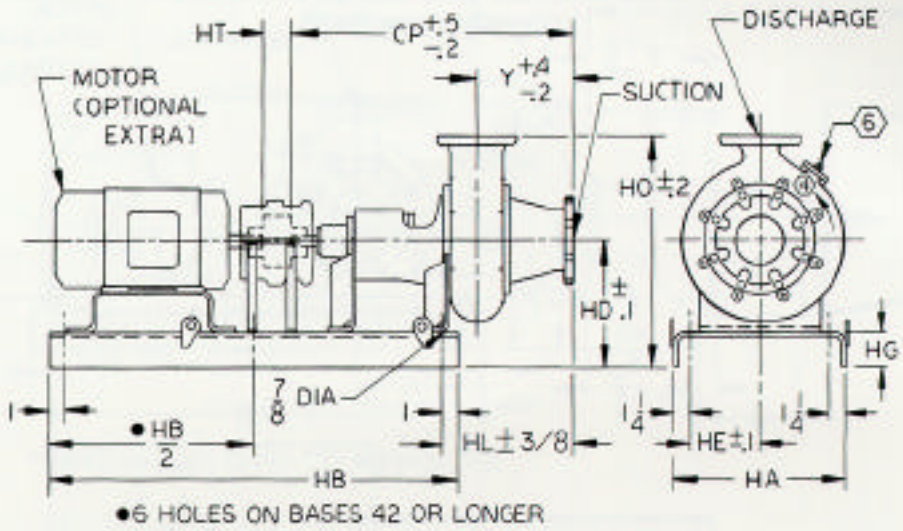
•6 HOLES ON BASES 56 OR LONGER



OPTIONAL RIGHT HAND ARRANGEMENT

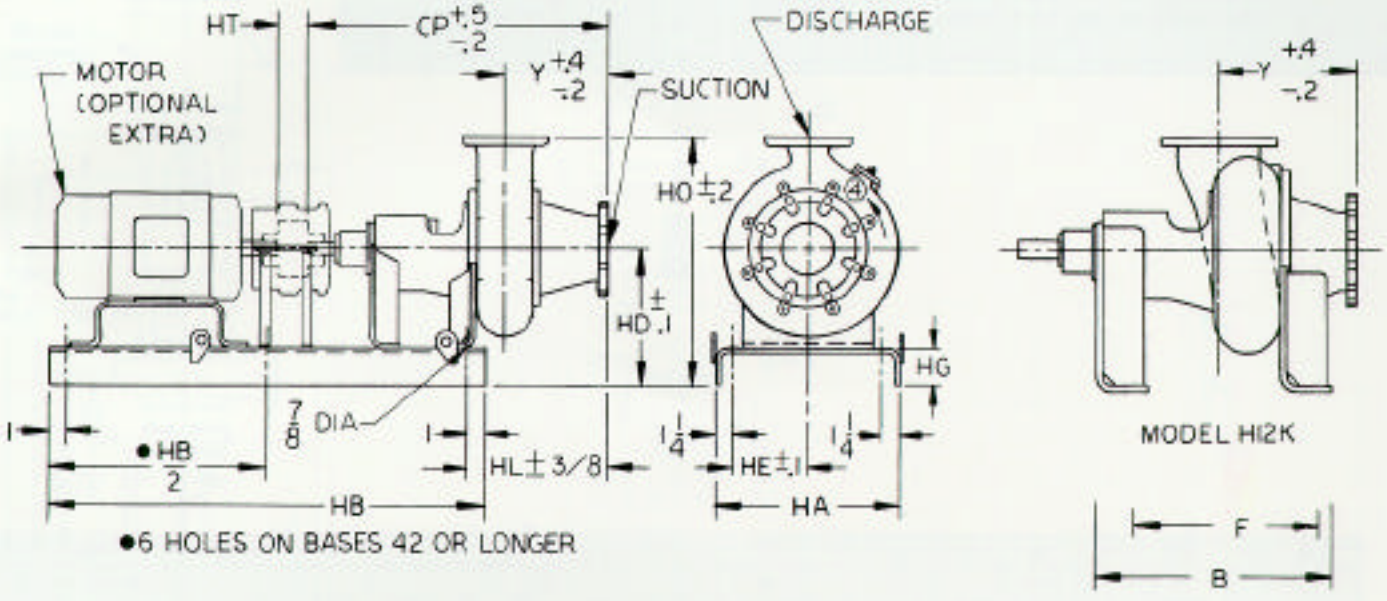
PUMP	BRG	MOTOR FRAME	HA	HB	HC	HD	HE	HF	HG	HL	HO	Y	SUC	DIS
D3K-H,-L,-M,-S	D0S	145T-215T	28	56	35.6	11.5	13.5	15	3	8.8	20.0	6.5	4	3
D4K-HS,-LT,-S					37.1					10.3	21.3	7.1		4
E4K-S	E2S	145T-284T	23	67	42.8	15	15	8		9.3	28.0	8.6	6	4
E5K-L,-LM		145T-254T			43.6					10.1		9.1		5
E5K-H,-LL,-LS,-M,-S		145T-286T			44.1					10.6		9.6		
E6K-HD,-SS		182T-286T			45.9	18				12.4	33.7	10.9	8	8
E6K-LL,-LS		145T-284T			44.1					10.6		9.1	6	
F4K-MH,-S	F2S	182T-324T	26	67	48.9	15	15.5	6		11.6	29.3	9.6	8	4
F6K-L,-M		213T-324T			51.0	18				13.7	34.1	10.6	8	6
F6K-H,-S		213T-324T			53.4					16.2		13.0		
F10K-MD		213T-324T			53.8	21				16.5	39.7	12.7	10	10
F10K-HD,-S		213T-324T			54.5					17.2		13.4		

DIMENSIONS
HORIZONTAL DIRECT CONNECTED PUMPS



PUMP	BRS	MOTOR FRAME	CP	HA	HB	HD	HE	HG	HL	HO	HT	Y	SUC	DIS	MAX WIDTH	MAX LENGTH
D3K-H,-L,-M,-S	D0S	143T-184T	26.3	18	38	11.5	10.25	3	9 3/16	20.0	3.5	6.5	4	3	19	47
		213T-215T			40											51
D4K-HS,-LT,-S		182T-184T	27.8		38				10 11/16	21.3		7.1		4		48
		213T-215T			40											51
E4K-S	E2S	213T-215T	30.8	21	42	15	9.25		12 1/4	28.0		8.6	6	4	21	55
		254T-256T			48											61
E5K-L,-LM		213T-215T	31.5		42				13			9.1		5		55
		254T-256T			48											61
E5K -H,-LL,-LS,-M,-S		213T-215T	32.1		42				13 1/2			9.6				55
		254T-256T			48											61
		284T-286T													23	64
E8K-HD,-SS		213T-215T	33.9		42	18			15 3/8	33.7	4.75	10.9	8	8	26	57
		254T-256T			48											63
		284T-286T														65
		324T-326T			54											70
E8K-LL,-LS		213T-215T	32.1		42				13 1/2		3.5	9.1	6			55
		254T-256T			48											61
F4K-MH,-S	F2S	254T-256T	39.4	24	56	16	10.75	4	13 3/16	30.3	4.25	9.6	8	4	24	69
		284T-286T														72
		324T-326T			60						4.75				25	75
		364T-365T													28	78
F6K-L,-M		254T-256T	41.5		56	19			15 3/8	35.1	4.25	10.6		6	26	71
		284T-286T														74
		324T-326T			60						4.75				27	77
F6K-H,-S		284T-286T	43.8		56				17 3/4		4.25	13.0			26	77
		324T-326T													27	80
		364T-365T			60						4.75				30	83
		404T-405T			70						7.75				32	91
F10K-MD		254T-256T	44.3		56	22			18 3/16	40.7	4.25	12.7	10	10	30	74
		284T-286T														77
		324T-326T			60						4.75					80
F10K-HD,-SS		254T-256T	45.0		56				18 7/8		4.25	13.4				75
		284T-286T														77
		324T-326T			60						4.75					81
		364T-365T													33	84
		404T-405T			70						7.75				34	92

DIMENSIONS
HORIZONTAL DIRECT CONNECTED PUMPS

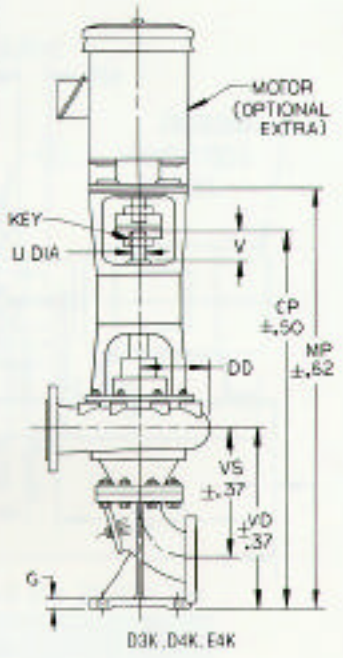


PUMP	MOTOR FRAME	HA	HD	HE	HG	HL	HO	Y	SUC	DIS	MAX WIDTH	H2S BRG FRAME				H4S BRG FRAME			
												CP	HB	HT	MAX LENGTH	CP	HB	HT	MAX LENGTH
H5K -MH,-S	284T-286T	28	19	12.75	4	15 5/16	37.1	11.0	10	5	28	42.4	58	4.25	74	48.6	66	6.37	82
	324T-326T												62	4.75	78		72		87
	364T-365T										31				81			7.75	90
H8K -M	284T-286T		22			18 5/8	42.9	12.9		8	32	45.7	58	4.25	78	51.9	66	6.37	87
	324T-326T												62	4.75	82		72		90
	364T-365T										33				85			7.75	94
	404T-405T										35		70	7.75	93		76		100
H8K -H,-S	284T-286T					21 3/8		15.7			32	48.4	58	4.25	81	54.6	66	6.37	90
	324T-326T												62	4.75	85		72		93
	364T-365T										33				88			7.75	97
	404T-405T										35		70	7.75	96		76		101
H12K -HD,-SD,-SS	324T-326T		30		6	7 1/2	55.6	23.4	12	12	42	51.0	78	4.75	87	57.2	88	6.37	95
	364T-365T														90			7.75	99
	404T-405T												86	7.75	98		92		104
	444T-445T												90		104		96		110
H12K -MD	284T-286T					5 1/2		21.9				49.5	74	4.25	81	55.7	82	6.37	90
	324T-326T												78	4.75	85		88		93
	364T-365T														88			7.75	97

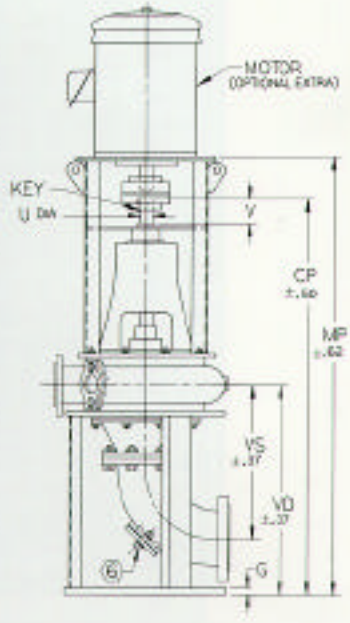
PUMP	MOTOR FRAME	HA	HD	HE	HG	HL	HO	HT	Y	SUC	DIS	MAX WIDTH	11S BRG FRAME			14 + 7S BRG FRAME		
													CP	HB	MAX LENGTH	CP	HB	MAX LENGTH
I16K -MH,-S	324T-326T	34	24	15.75	6	19 7/8	46.8	6.37	14.7	12	6	35	55.0	74	93	59.7	78	97
	364T-365T														97			101
	404T-405T											36		78	102		82	106
	444T-445T											39		82	108		86	113
I10K -M	404T-405T		30			23 3/4	55.8	7.75	17.0		10	39	68.8	78	106	63.5	82	111
	444T-445T											42		82	112		86	117
I10K -H,-S	364T-365T					26 15/16			20.2			39	82.0	74	104	66.7	78	109
	404T-405T													78	109		82	114
	444T-445T											42		82	115		86	120

DIMENSIONS
VERTICAL PEDESTAL MOUNT

PUMP	BRG	A	B	E	G	H	U	V	X	CP	DD	MP	VD	VF	VS	VY	KEY	SUC	DIS
D3K-H,-L,-M,-S	D2S	10.63	10.63	3.94	.87	.63	32mm	2.8	8.5	38.57	6.9	41.58	18.75	4.69	13.38	6.1	10x8mm	4	3
D4K-HS,-LL,-S									9.8	40.01	7.9	43.01	19.34		13.97				4
E4K-S	E2S	15.75	15.75	6.89	.71	.88	42mm	3.0	13.0	45.68	10.4	48.76	23.67	6.69	16.66	8.0	12x8mm	6	4

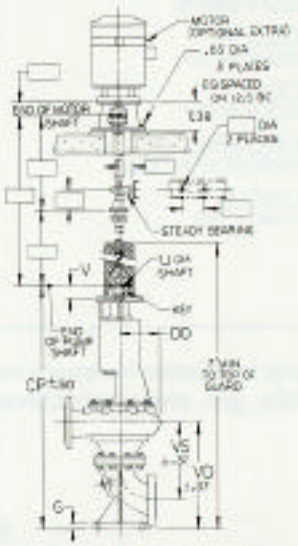


PUMP	BRG	MOTOR FRAME	A	E	G	H	U	V	X	CP	DD	MP	VD	VS	VY	KEY	SUC	DIS
E5K-L,-LM	E2S	213TC-256TC	20	9	.75	.88	42mm	3.0	13.0	52.41	10.4	56.54	29.93	17.15	13.0	12x8mm	6	5
E5K -H,-LL,-LS, -M,-S		213TC-256TC										58.28		17.70				
		284TC-286TC																
E6K-LL,-LS		213TC-256TC							15.7	53.43	13.3	57.56	30.44	17.18				6
E6K-HD,-SS		215TC-256TC	24	11						56.99		61.12	34.00	25.63	14.0		8	
		284TC-286TC										62.86						
		324TC										63.24						
F4K -MH,-S	F2S	256TC	26	12	.75	.88	60mm	4.5	14.3	62.22	11.3	66.97	32.50	23.74	14.0	18x11mm	8	4
		284TC-286TC										67.40						
		324TC-365TC										68.60						
F6K -L,-M		256TC							16.1	66.83	13.2	71.58	36.00	24.72				6
		284TC-286TC										72.01						
		324TC										73.21						
F6K -H,-S		284TC-286TC										72.01		27.08				
		324TC-365TC										73.21						
		404TC										75.33						
F10K -MD		256TC	28	13					18.7	71.57	15.6	76.33	40.00	29.31	16.5		10	10
		284TC-286TC										76.76						
		324TC-326TC										77.96						
F10K -HD,-SS		256TC										76.33		29.98				
		284TC-286TC										76.76						
		324TC-365TC										77.96						
		404TC										80.08						

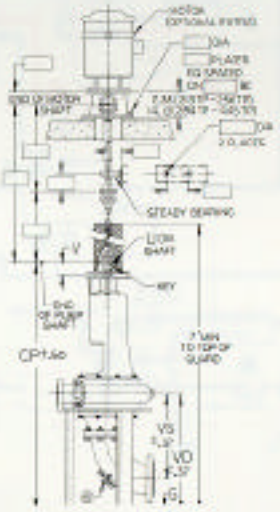


PUMP	MOTOR FRAME	A	E	G	H	X	DD	VD	VS	VY	SUC	DIS	H2S BRG FRAME U	V	CP	MP	KEY	H4S BRG FRAME U	V	CP	MP	KEY
H5K-MH,-S	284TC-286TC	30	14	1	.88	18.1	14.1	42.58	27.61	16.50	10	5	60mm	4.5	73.92	79.47	18x11mm	90mm	5.9	80.14	86.66	25x14mm
	324TC-365TC															80.97					87.16	
H8K-M	284TC-286TC					20.9	16.3	44.00	29.50			8			76.76	82.26				82.98	89.45	
	324TC-365TC															83.76					89.95	
H8K-H,-S	324TC-365TC								32.26							85.64					91.08	
	404TC-405TC																					

DIMENSIONS
VERTICAL EXTENDED SHAFT



PUMP	BRG	A	B	E	G	H	U	V	X	CP	DD	VD	VF	VS	VY	KEY	SUC	DIS
D3K-H,-L,-M,-S	D05	10.63	16.63	3.94	.87	.63	32mm	2.8	8.5	38.57	6.9	18.75	4.69	13.38	6.1	10x8mm	4	3
D4K-HS,-LT,-S									9.8	40.01	7.9	19.34		13.97				4
E4K-S	E2S	15.75	15.75	6.88	.71	.88	42mm	3.0	13.0	45.88	10.4	23.67	6.89	16.66	8.0	12x8mm	6	4



PUMP	BRG	A	E	G	H	U	V	X	CP	DD	VD	VS	VY	KEY	SUC	DIS
E5K-L,-LM	E2S	20	9	.75	.88	42mm	3.0	13.0	52.41	10.4	29.53	17.15	13.0	12x8mm	6	5
E5K-H,-LL,-LS,-M,-S												17.70				
E8K-LL,-LS								15.7	53.43	13.3	30.44	17.18			8	8
E8K-HD,-SS		24	11						56.99		34.00	25.03	14.0			
F4K-MH,-S	F2S	26	12			60mm	4.5	14.3	62.22	11.3	32.50	23.74		18x11mm		4
F6K-L,-M								16.1	66.63	13.2	36.00	24.72				6
F6K-H,-S												27.06				
F10K-MD		28	13					18.7	71.57	15.6	40.00	29.31	16.5		10	10
F10K-HD,-SS												29.98				

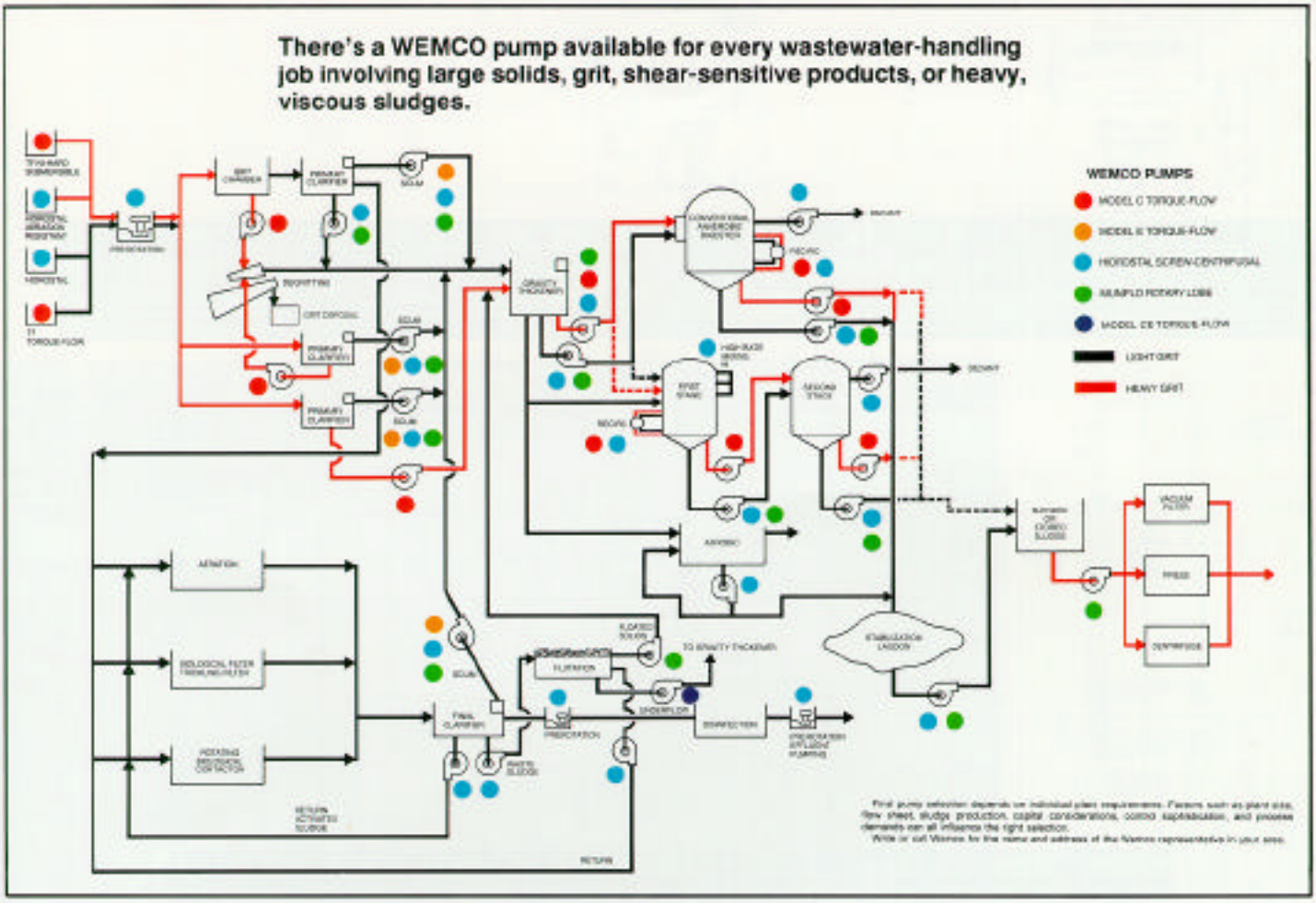
PUMP	A	E	G	H	X	DD	VD	VS	VY	SUC	DIS	H2S BRG FRAME				H4S BRG FRAME			
												U	V	CP	KEY	U	V	CP	KEY
H5K-MH,-S	30	14	1	.86	18.1	14.1	42.58	27.61	16.5	10	5	60mm	4.5	73.92	18x11mm	90mm	5.9	80.14	25x14mm
H8K-M					20.9	16.3	44.00	29.50			8			76.76				82.98	
H8K-H,-S								32.26											
H12K-HD,-SO,-SS	34	16			25.6	22.0	54.00	42.52	19.0	12	12			81.56				87.78	
H12K-MD								41.02											

Variety of Applications

There's a WEMCO pump available for every wastewater-handling job involving large solids, grit, shear-sensitive products, or heavy, viscous sludges.

WEMCO PUMPS

- MODEL C TORQUE-FLOW
- MODEL E TORQUE-FLOW
- HIDROSTAL SCREW-CENTRIFUGAL
- MUNIFLO ROTARY LOBE
- MODEL CE TORQUE-FLOW
- LIGHT GRIT
- HEAVY GRIT



WEMCO

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