



VACUUM PUMP

Applications:

- Priming of large pumps
- Evacuation of air from suction pipes and chambers
- Specific Applications: Twist drilling machine, removing water from pulp layer, labeling, bottle filling, de-odorising
- General Applications: Drying, evaporation, distillation, filtration, sterilisation, condensation, degasification, sucking gases
- Extrusion machines
- Printing machines
- Confectionery machines

Material of Construction:

(as applicable)

	Standard Supply	Optional Supply
Rotor(Impeller)	Bronze (LTB2)	
Delivery Casing	Cast Iron (FG 200)	
Motor Body	Cast Iron (FG 200)	
Shaft	Carbon Steel (C40)	Stainless Steel (AISI 410)
Sealing	Gland Packed	
Protection	"IP 44" (KV Monobloc)/ "IP 55" (DV Couple Set)	
Class of Insulation	"B" (KV Monobloc)/ "F" (DV Couple Set)	

Note: For any deviation in requirements, please contact your nearest regional office.



Enriching Lives

KV Vacuum Pumps



Vacuum : Upto 650 mm of Hg
 Air flow rate : Upto 55 m³/hr
 Power rating : 0.75 - 2.2 kW (1 - 3 HP)
 Voltage range : 180-240V (1 Ph)
 300-440V (3 Ph)

DV Vacuum Pumps



DV Vacuum Pump Coupled Set



Vacuum : Upto 660 mm of Hg
 Air flow rate : Upto 162m³/hr
 Power rating : 3.7 - 7.5 kW (5 - 10 HP)
 Voltage range : 415+/- 10 V (3 Ph)

Attributes:

- Motor withstands wide voltage fluctuations
- Impeller of high quality bronze material
- Designed to prevent overloading and motor burning
- Sturdy casing, provided with foot, suction and delivery nozzles
- Rotor having outwardly bent multi blade design held on shaft by shaft sleeve nuts
- Replaceable wearing parts
- Models with 'B' class insulation and IP-44 protection. In case DV couple set with 'F' class insulation & IP 55
- Deep stuffing box for better sealing
- Dynamically balanced rotating parts ensure minimum vibrations

Note for DV: Bare pump/ factory assigned & assembled, both options available

Approximate performance of 'KV and DV' Series, Monobloc/ Coupled Set Vacuum Pumps, at rated speed, 50 Hz, AC Power Supply:

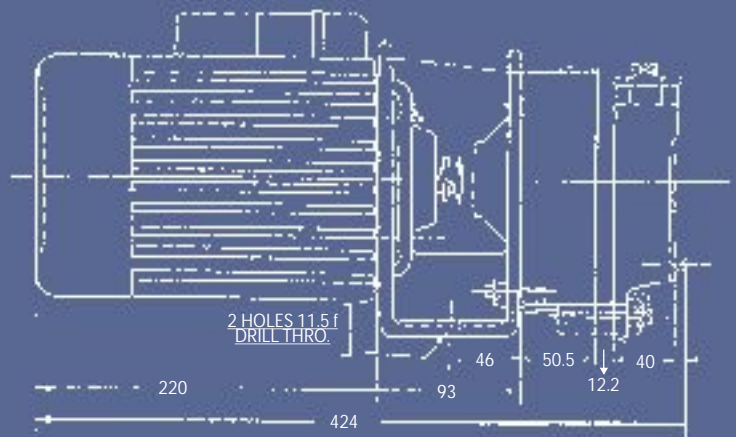
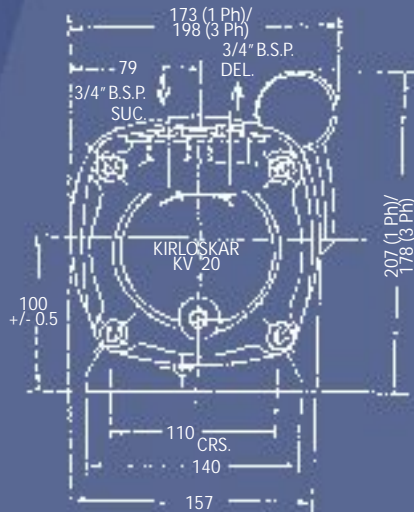
PUMP MODEL	POWER RATING		PIPE SIZE		VACUUM IN mm OF MERCURY								RATED SPEED (RPM)
					0	100	200	300	400	500	600	640	
	kW	HP	SUC.	DEL.	AIR FLOW RATE IN CUBIC METRES PER HOUR								
KV 20 Monobloc	0.75	1.0	20	20	20.5	18.0	14.5	11.5	8.0	5.0	1.8	-	2700
KV 30 Monobloc	2.2	3.0	32	32	55.0	46.3	38.0	30.0	21.3	13.0	5.0	-	2840
DV 40 Coupled Set/ Bare Pump	3.7	5.0	40	40	73.0	65.0	57.0	46.0	34.0	22.0	8.0	5.0	1450
DV 50 Coupled Set/ Bare Pump	7.5	10.0	50	50	162.0	138.0	115.0	88.0	68.0	44.0	14.0	8.0	1450

Standard supply of KV 20 pumpset is in single phase and KV 30 in three phase A.C. power supply. However, KV 20 three phase A.C. power supply is supplied against requirement.

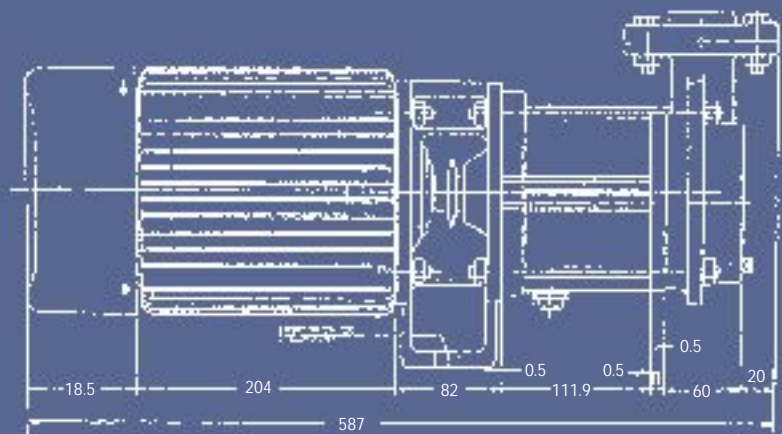
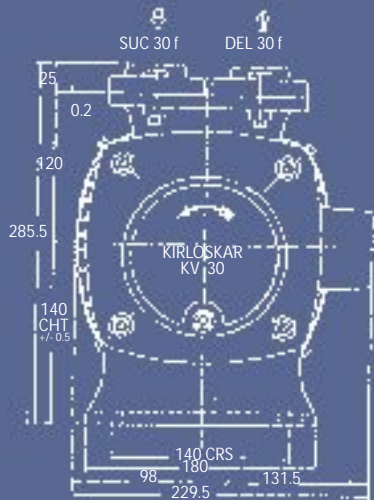
NOTE: Performance applicable for air at NTP based on employment of clear water at 30°C as working fluid.

Dimensional Details...

KV Vacuum Pump



KV 20 Vacuum Pump



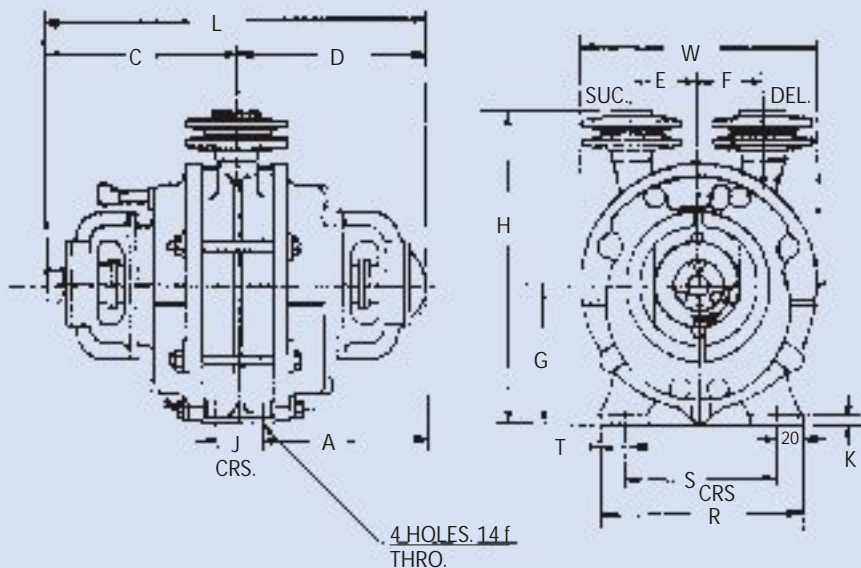
KV 30 Vacuum Pump



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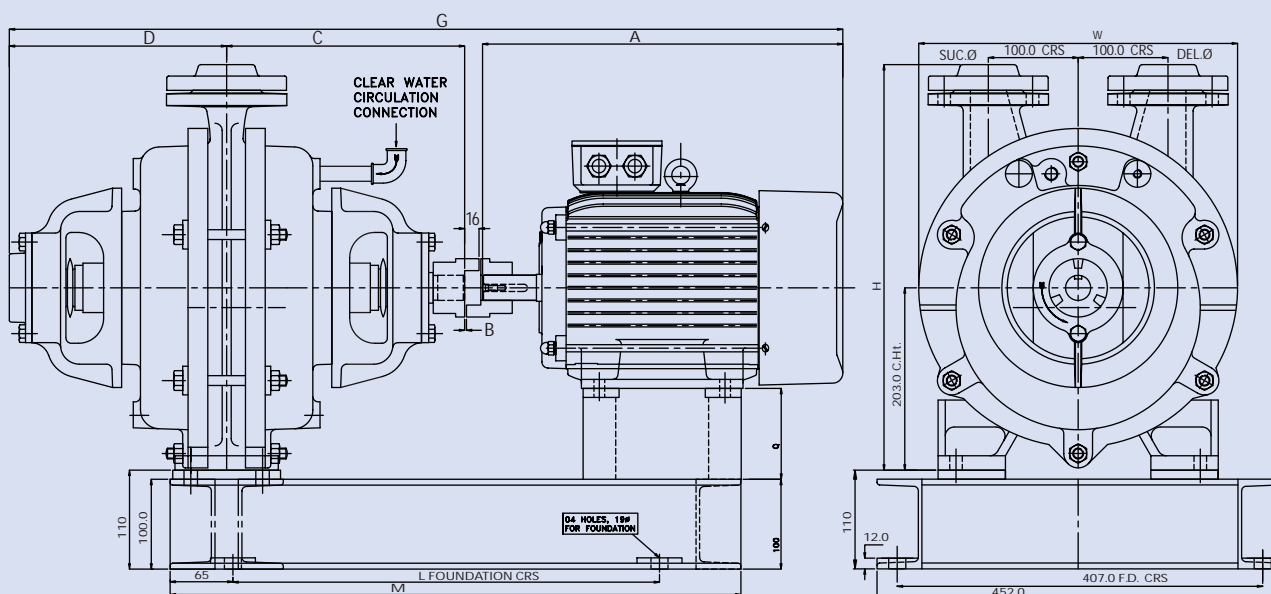
Dimensional Details...

DV Bare Shaft Vacuum Pump



S.No.	PUMP	SUC.	DEL.	K	R	S CRS	T	J CRS	G	H	W	D	C	F	E	A	L
1.	DV-40	40	40	16	312	272	72	80	203	451.5	334	242	281	100	100	202	523
2.	DV-50	50	50	16	312	272	75	80	203	453	352	277	316	100	100	237	593

DV Coupled Vacuum Pump



Sr.No.	Pump SucXDel	Indus Motor	P.C.D		No. of Holes		Hole Size		A	B	C	D	E	F	G	H	L	W	Q	M
			Suc.	Del.	Suc.	Del.	Suc.	Del.												
1	DV - 40 40 X 40	KI 112M (5C4) 3PH	98.4	98.4	04	04	14.0	14.0	405.0	02	265.0	242.0	100.0	100.0	928.0	451.5	475.0	334.0	91.0	635.0
2	DV - 50 50 X 50	KI 132M (5C4) 3PH	114.0	114.0	04	04	18.5	18.5	515.0	03	300.0	277.0	100.0	100.0	1128.0	453.0	575.0	355.0	71.0	747.0

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Enriching Lives

Other Industrial Range Catalogue

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EEC & SPC Series
Lowest Life Cycle Pump



Eterna
(Drainer/Waste Disposer)



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