

VACCUM PUMPS TYPE : KV / DV

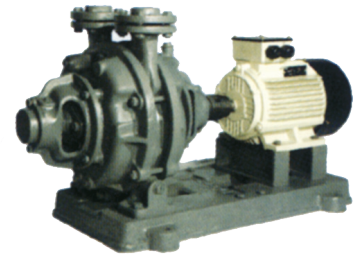
Vaccum Pumps Type : KV

Vaccum	:	upto 650 mm of Hg
Air Flow Rate	:	upto 55m ³ /hr
Power Rating	:	upto 2.2kw/3HP
Voltage Range	:	180 to 240V 1ph and 300 to 440v 3ph



Vaccum Pumps Type : DV

Vaccum	:	upto 660 mm of Hg
Air Flow Rate	:	upto 162m ³ /hr
Power Rating	:	upto 7.5kw/10HP
Voltage Range	:	415V 3ph



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 (mm)		VACUUM IN mm OF MERCURY								Rated Voltage (Volts)
					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.

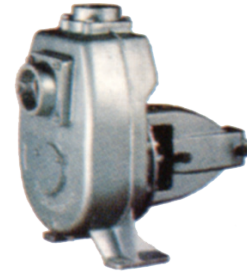
NOTE : Performance applicable for air at NTP based on employment of clear water at 30°C as working fluid.



Self Priming Pumps

Type : SP

Head Range : upto 34 meters
 Discharge Range : upto 77 ltrs/sec
 Power Rating : upto 19.5kw/26HP
 Voltage Range : 180 to 240V 1ph and 300 to 400V 3ph
 Available : Monoblock, Bare Shaft,
 Coupled Motor Set, Coupled Engine Sets



Approximate performance of SP 'M' (Self Priming Monoblock Pumps) Series - at rated voltage, 50 Hz A.C. Power Supply :

Pump Model	Motor Rating		Pipe Size		Impeller Dia (mm)	TOTAL HEAD IN METERS										Solid Handling Size (mm)	Rated Speed (RPM)		
	kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24				
					CAPACITY IN LITRES PER SECOND														
SP 'O' M*	0.75	1.0	40	40	116	4.45	3.95	3.25	2.3	1.5								7.0	2850
SP 1 HM	1.5	2.0	40	40	134			5.75	5.13	4.25	3.13	1.5						8.5	2870
SP 2 HM	2.2	3.0	50	50	145			8.75	8.2	7.48	6.55	5.5	4.3	3.0	1.1			10.5	2870
SP 3 LM+	3.7	5.0	80	80	224			17.4	15.4	12.5	8.1	3.5						15.5	1450

*SP 'O' M is supplied for 210 volts single phase A.C. power supply and has mechanical seal arrangement. However, it can also be supplied in three phase A.C. power against the requirement. All other pumpsets are supplied for three phase A.C. power supply and with stuffing box arrangement for gland pack or mechanical seal as per the requirement.

Approximate performance of 'SP' (Self Priming) Series, Bare Shaft / Motor Coupled Pumpset - at rated speed :

Pump Model	Motor Rating		Pipe Size		Impeller Dia (mm)	TOTAL HEAD IN METERS													Solid Handling Size (mm)	Rated Speed (RPM)	
	kW	HP	SUC.	DEL.		6	8	10	12	14	15	17	19	22	23	25	28	30			32
					CAPACITY IN LITRES PER SECOND																
SP 'O'	0.75	1.0	40	40	116	4.75	4.3	3.8	3.0	1.9	1.2									7.0	2850
SP 1H	1.5	2.0	40	40	134			6.0	5.3	4.4	4.0	2.8	0.9							8.5	2870
SP 2H	2.2	3.0	50	50	145			9.0	8.5	7.8	7.3	6.5	5.4	3.4	2.65	0.8				10.5	2870
SP 3A	3.7	5.0	80	80	174								9.9	8.6	8.0	6.6	4.3	2.4		7.0	2860
SP 3	5.5	7.5	80	80	174									15.9	15.5	14.2	11.7	9.4	7.1	14.5	2920
SP 3L+	3.7	5.0	80	80	224			17.3	15.4	12.2	10.4	6.0								15.5	1450
SP 4LA+	7.5	10.0	100	100	292			35.5	33.5	30.8	29.5	26.5	23.3	17.0	14.0					18.5	1455
SP 4L+	9.3	12.5	100	100	292			41.0	39.0	36.0	34.7	31.5	27.5	21.0	18.6	12.5				23.0	1440
SP 6LA+	15.0	20.0	150	150	296			66.3	63.4	59.8	57.5	52.0	45.5	34.2	29.5					34.0	1470
SP 6L	18.7	25.0	150	150	296			75.0	72.5	68.7	66.2	61.3	55.5	45.0	39.5	27.5				40	1475

Note : All pumps are available in three phase. SP 'O' & SP '1H' is also available in single phase. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Approximate performance of SP (Self Priming) Series - Engine Coupled Pump - at rated speed :

Pump Model	Motor Rating		Pipe Size		Impeller Dia (mm)	TOTAL HEAD IN METERS												Solid Handling Size (mm)	Rated Speed (RPM)		
	kW	HP	SUC.	DEL.		10	12	14	15	16	18	19	20	22	24	25	26			28	
					CAPACITY IN LITRES PER SECOND																
SP 3L+	4.0	6.0	80	80	224	17.7	15.6	14.0	12.5	8.5	6.0	3.5								15.5	1500
SP 3L+	9.0	12.0	80	80	224				22.5	22.0	20.7	19.9	19.0	16.7	13.7	12.0	10.1	6.0		15.5	1800
SP 4LA+	9.0	12.0	100	100	292		36.3	33.9	32.5	31.2	28.2	26.6	25.0	21.5	17.1	14.5	11.5			18.5	1500
SP 4L+	10.5	14.0	100	100	292		41.2	39.1	38.0	36.5	33.9	32.0	30.5	26.4	21.5	18.5	16.0	9.9		23.0	1500
SP 6LA	16.5	22.0	150	150	296	68.0	66.1	63.0	62.0	59.0	53.5	51.7	48.0	41.0	32.8	28.4	22.5			34.0	1500
SP 6L	19.5	26.0	150	150	296	77.5	75.0	72.0	71.0	68.0	63.0	62.0	57.0	51.0	42.5	38.8	32.5			40.0	1500

Note : Performance applicable to liquid of specific gravity 1 and viscosity as of water.

