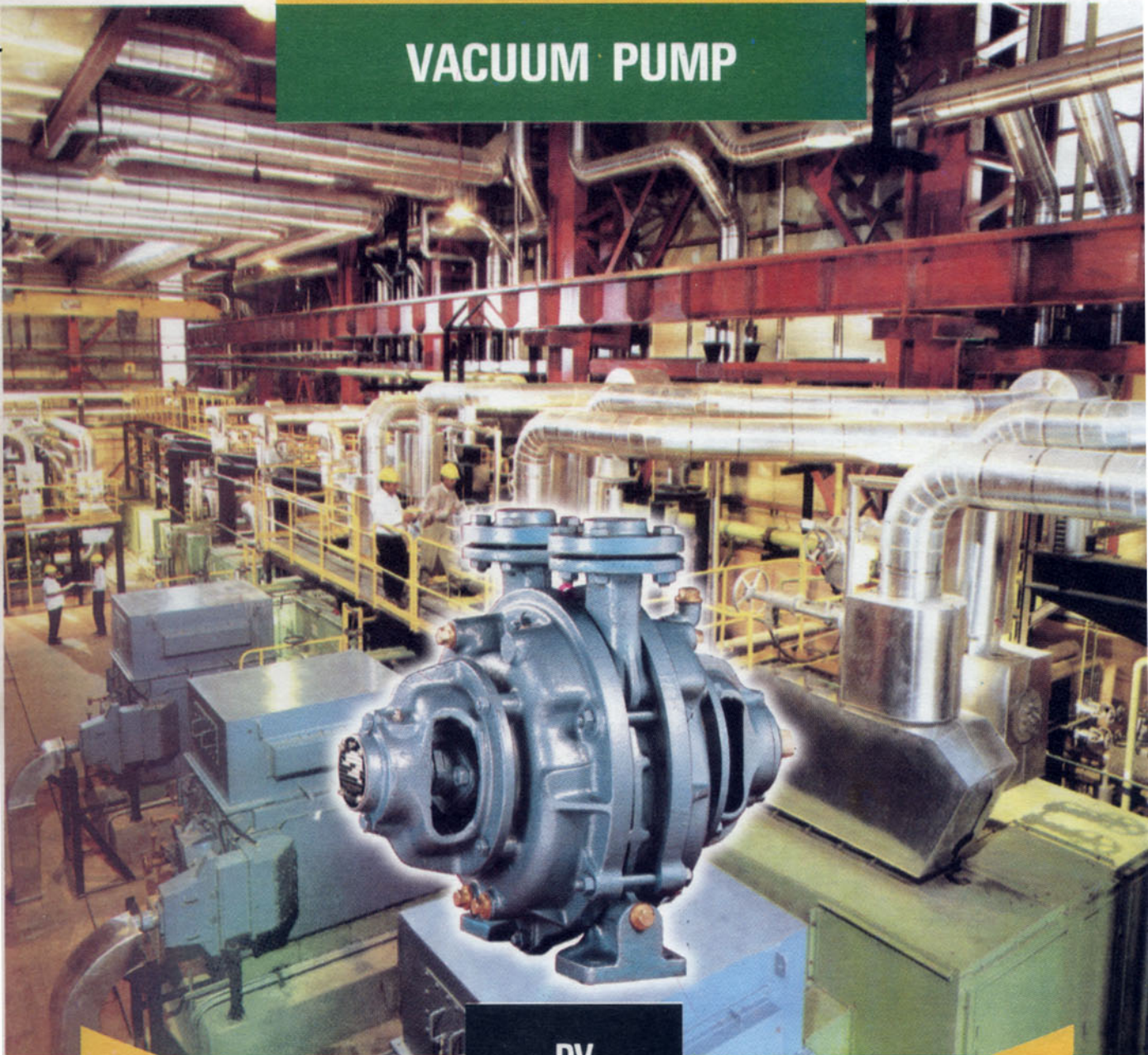


KIRLOSKAR

3A

VACUUM PUMP



DV

FOR INDUSTRIES



KIRLOSKAR BROTHERS LIMITED

KIRLOSKAR 'DV' SERIES END SUCTION VACUUM PUMPS

Double suction, double delivery, slow speed, horizontal, centrifugal, coupled, end suction pumps.

Range :

VACUUM	:	Up to 750 mm of Mercury.
AIR FLOW RATE	:	Up to 162 cubic metres per second.
POWER RATING	:	3.7 kW to 7.5 kW. (5.0 HP to 10.0 HP)

Applications :

- Priming of large pumps.
- Evacuation of air from suction pipes and chambers.
- General Applications : Drying, Evaporation, Distillation, Filtration, Sterilisation, Condensation, Degasification, sucking gases.
- Specific applications : Twist drilling machine, removing water from pulp layer, labelling, bottle filling, de-odorising.

Standard Features :

- Dynamically balanced rotating parts.
- Grease lubricated deep groove ball bearings.
- Easy maintenance and spares availability.

Special Features :

- Sturdy casing, provided with foot, suction and delivery nozzles.
- Rotor having outwardly bent multiblade design held on shaft by shaft sleeve nuts.
- Deep stuffing boxes are provided to prevent entry of external air.

Material of Construction :

Standard Supply

Rotor	:	Bronze.
Delivery casing	:	Cast iron.
Shaft	:	Carbon steel.

Optional Supply

Shaft	:	Stainless steel.
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Direction of Rotation :

Anticlockwise, when viewed from pump side.

APPROXIMATE PERFORMANCE OF 'DV' SERIES, COUPLED, END SUCTION VACUUM PUMPS, AT RATED SPEED.

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		VACUUM IN mm OF MERCURY								RATED SPEED (RPM)
	kW	HP	SUC.	DEL.	100	200	300	400	500	600	700	750	
					(AIR FLOW RATE IN CUBIC METRES PER HOUR)								
DV 40	3.7	5	40	40	0	13	27	38	49	59	68	73	1450
DV 50	7.5	10.0	50	50	0	27	53	76	98	124	148	162	1450

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