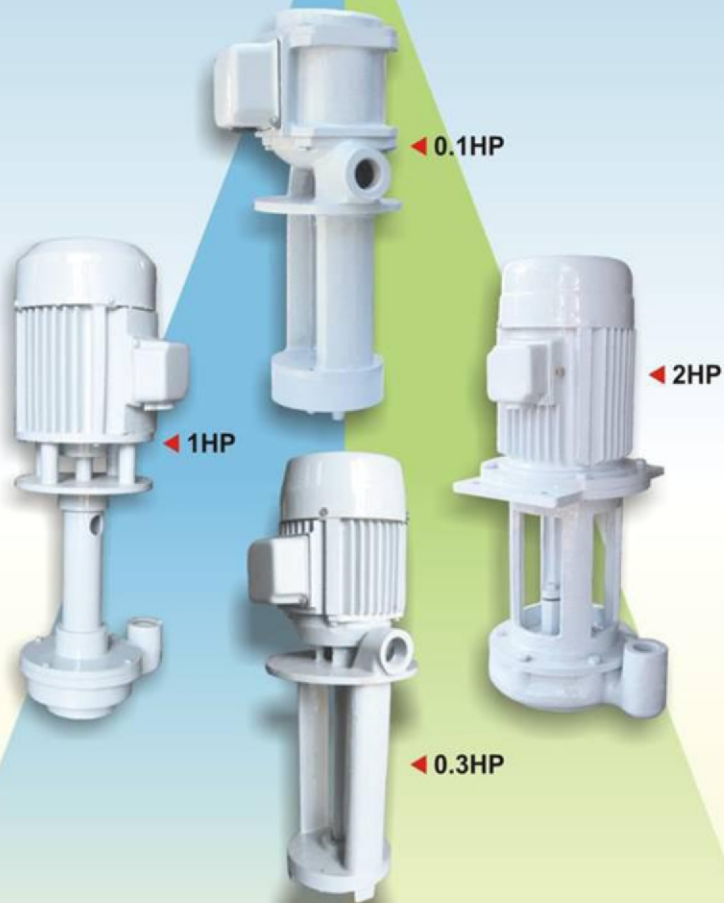


**Wide Range of Motorised
Coolant Pumps for Machine Tools**



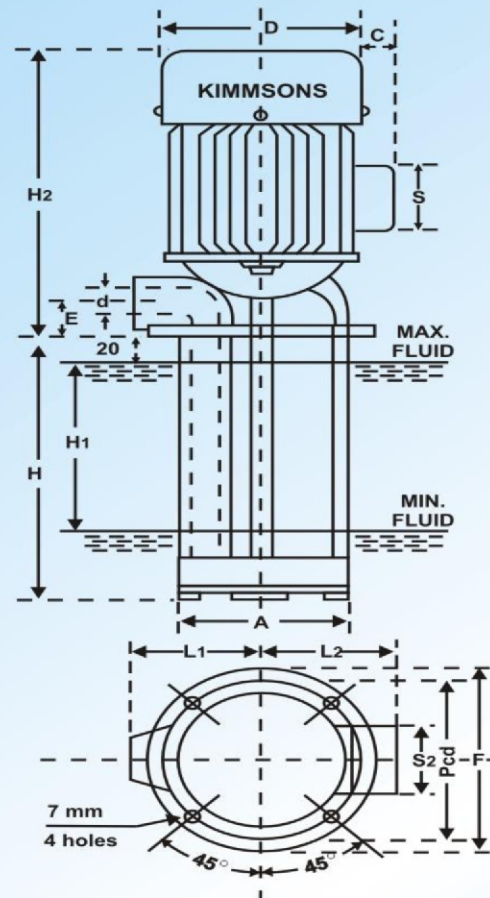
Mica Sales & Engineering

261, Budhwar Chowk, Budhwar Peth, Pune 411002, Maharashtra, India.

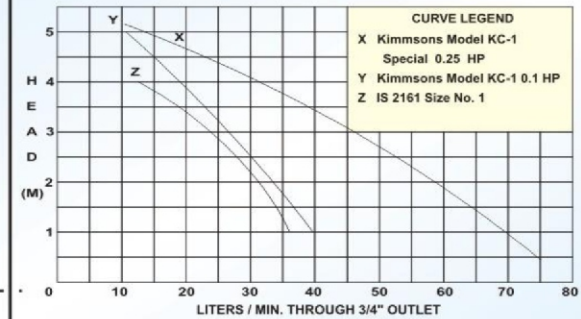
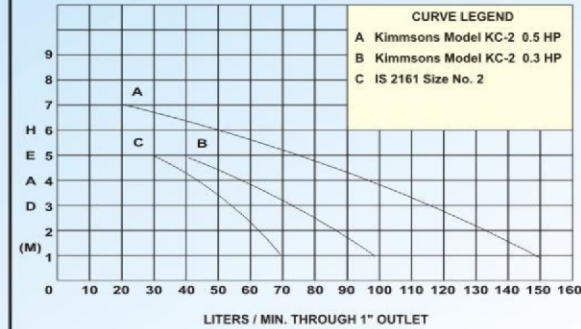
Tel.: (020) 65226012, Tel. / Fax: (020) 24487215

Email: mothermotors@bsnl.in

**Most Reliable Coolant Pump
in the Market to cater all types of Machine Tools.**



DISCHARGE X HEAD OF COOLANT WATER MIXED WITH SOLUBLE CUTTING OIL



DIMENSIONS OF

COOLANT PUMPS

Size	Type	HP	T/H	H ₁	H ₂	A	F	D	L ₁	L ₂	S	S ₂	E	d ₁	PCD
1	KC-1	0.1	1/120	30	160	100	130	105	70	90	80	80	30	3/4" BSP	115
	KC-1	0.1	1/170	80	--	--	--	--	--	--	--	--	--	--	--
	KC-1	0.1	1/220	130	--	--	--	--	--	--	--	--	--	--	--
1 (a)	KC-1 Special	0.25	1/220	130	200	--	--	125	--	--	--	--	--	--	--
2	KC-2	0.3	2/220	130	225	140	180	140	100	110	--	--	--	1" BSP	160
	KC-2	0.5	2/270	180	--	--	--	--	--	--	--	--	--	--	--
3	KC-3	1	3/270	180	285	--	--	165	--	130	--	--	--	1 1/4" BSP	--

COOLANT PUMPS - RELIABILITY FEATURES

Drive: The motors of all models of Coolant Pumps confirm to IS 325/1978, are usable for 415 $\pm$ 5% volts, three phase, 50 Hz supply. We also supply 2 pole motors to suit other voltages like 220V, 380V, 450V & 500.

Low temperature rise: All motors are of "E" class insulation, continuously rated. This ensures low temperature rise when pump is operational & results in very long winding life.

Output Capacities: The output capacities of coolant pumps are for handling liquids when power supply is at 415V, 50Hz without reducing outlet size. For liquids of higher viscosity, actual delivery slightly decreases.

Terminal Box: The terminal box design is such that it can be positioned in any one of 4 directions in horizontal plane, at an interval of 90 degree with respect to the outlet. The conduit entry can be rotated through 360 degree in 4 positions in vertical plane.

**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-1 :

_____ Useful for all general purpose machine tools with moderate cutting action like centre lathe, drilling, milling, etc. Suitable for soluble cutting oils & less viscous coolants.

All dimensions & specifications are as per IS:2161.

Rating	0.1 HP
Output	36 LPM at 1 meter head
Stem length Available	120,170,220 mm
Outlet	$\frac{3}{4}$" BSP
Current	0.3 Amp
Pressure	0.35 Bar
Cooling	Surface cooled



**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-1 (Special) :

 Useful for heavy duty metal removal machines like multi-tool lathes & medium duty grinders where space availability is a constraint. Suitable for all types of cutting liquids.

All dimensions & specifications are as per IS:2161.

Rating	0.25 HP
Output	70 LPM at 1 meter head
Stem length Available	120,170,220 mm
Outlet	3/4" BSP
Current	0.55 Amp
Pressure	0.56 Bar
Cooling	Fan cooled



**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-2 :

 Useful for heavy duty, heavy metal removal machines, heavy duty grinders, wire & bar drawing machines. Suitable for all types of cutting liquids.

All dimensions & specifications are as per IS:2161.

Rating	0.3 HP
Output	100 LPM at 1 meter head
Stem length Available	220, 270 mm
Outlet	1" BSP
Current	0.75 Amp
Pressure	0.75 Bar
Cooling	Fan cooled



**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-2 (Special):

 Useful for heavy duty GRINDING, DIAMOND SAW CUTTING,
GRANITE & MARBLE CUTTING, BAR DRAWING, CENTRELESS TURNING,
CNC MACHINES, MAGNETIC CRACK DETECTORS, TABLET & CAPSULE
BUBBLE PACK MACHINE, INDUCTION HARDENING MACHINES, ETC.
Specially suitable where more coolant pressure & flow rate is required.

All dimensions & specifications are as per IS:2161.

Rating	0.5 HP
Output	150 LPM at 1 meter head
Stem length Available	220, 270 mm
Outlet	1" BSP
Current	1.05 Amp
Pressure	0.9 Bar
Cooling	Fan cooled



**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-3 :

 Useful for heavy duty GRINDING, CNC MACHINES, HMC, VMC MACHINES where more discharge is required & tool life & tool cost plays an important role along with pressure of coolant. Suitable for all types of coolant liquids including highly viscous direct cutting fluids.

All dimensions & specifications are as per IS:2161.

Rating	1 HP
Output	250 LPM at 1 meter head
Stem length Available	270 mm
Outlet	1 1/4" BSP
Current	1.6 Amp
Pressure	1.5 Bar
Cooling	Fan cooled



**AVAILABLE IN 6 DIFFERENT CAPACITIES TO SUIT ALL TYPES OF MODERN
HIGH SPEED MACHINE TOOLS**

Model KC-4 :

 Useful for heavy duty GRINDING, CNC MACHINES, HMC, VMC MACHINES where more discharge is required due to heavy cuts to improve productivity. Suitable for all types of coolant liquids including highly viscous direct cutting fluids.

All dimensions & specifications are as per IS:2161.

Rating	2 HP
Output	400 LPM at 1 meter head
Stem length Available	300 mm
Outlet	1 1/4" BSP
Current	2.8 Amp
Pressure	2.3 Bar
Cooling	Fan cooled





COOLANT PUMPS - QUALITY FEATURES

- *Kimmsons coolant pumps are the best.*
- *Kimmsons coolant pumps are comparable with IMPORTED pumps.*
- *Only approved, certified & thoroughly tested raw material is used for manufacturing.*
- *Each pump is tested for rigid quality norms & characteristics.*

Our Guarantee:

KIMMSONS coolant pumps are guaranteed against manufacturing defect for a period of one year as per our standard guarantee clauses.

Other Applications:

KIMMSONS coolant pumps can also be used for transferring or lifting of liquids, as stirrers, as Ink Circulating Pumps in Rotogravure, flexographic machines, etc.

Capacity chart of Coolant Pumps

