

313FAC/D fixed speed AC pump



The 313FAC/D which is made up of one 313D pumphead, an induction motor, Watson-Marlow's purpose designed gearbox, and a faceplate. It is available in three standard voltages with a choice of four speeds providing flow rates up to 1620 ml/min from 8.0 mm bore tubing (1350 ml/min if used on 50 Hz supplies).

Snap-on up to five 313X extension pumpheads for multi-channel pumping depending on the torque limit of the drive (see pumphead torque figures on page 18).

Ordering information

	220V AC	100-120V AC	240V AC
33/40rpm 50/60Hz	030.8803.000	030.8802.000	030.8812.000
67/80rpm 50/60Hz	030.8823.000	030.8822.000	030.8832.000
135/162rpm 50/60Hz	030.8843.000	030.8842.000	030.8852.000
270/324rpm 50/60Hz	030.8863.000	030.8862.000	030.8872.000

Specification

Motor type	<i>Induction</i>
Motor torque output	<i>33/67rpm 20kgcm 40/80rpm 16kgcm 135/270rpm 10kgcm 162/324rpm 8kgcm</i>
Power consumption	<i>50VA</i>
Weight	<i>2.5kg</i>

Flow rates

		1.6mm (1/16") wall thickness tubing						
		0.5mm	0.8mm	1.6mm	3.2mm	4.8mm	6.4mm	8.0mm
Hz	rpm	1/50"	1/32"	1/16"	1/8"	3/16"	1/4"	5/16"
50	33	1.00	2.00	8.6	33.0	72.6	119	165
	67	2.00	4.00	17.4	67.0	147	241	335
	135	4.00	8.00	35.0	135	297	486	675
	270	8.00	16.0	70.0	270	594	972	1350
60	40	1.20	2.40	10.4	40.0	88.0	144	200
	80	2.40	4.80	20.8	80.0	176	288	400
	162	4.80	9.70	42.1	162	356	583	810
	324	9.70	19.4	84.2	324	712	1166	1620

For tube selections, see Tables A and B on page 48.

