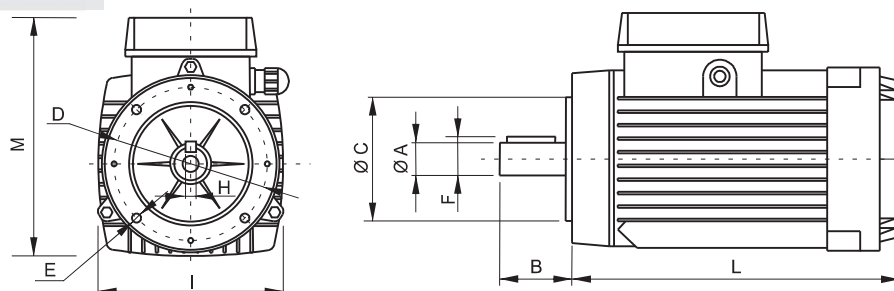


B14 IEC AC MOTORS



B14 IEC motors: for market compatibility, any IEC standard B14 AC motor with frame 63, 71, 80, 90, 100 or 112 can be mounted. These motors are normally procured and mounted by the customer himself. Two-piece couplings and additional adaptor flanges as per following tables must be fitted. Hydronit can supply frame 112 B14 AC 3-phase motors

Motor overall dimensions are not indicated since they can vary substantially depending on the motor brand selected.



B14 standard dimensions

Frame size	Typical powers	ØA	B	ØC	D	E	F	H	Mounting kit
63	0,12 ~ 0,18 kW 0,18 ~ 0,25 HP	11 j6	23	60	75	M5	12,5	4	XB14 63-0 (gr. 0) Xb14 63-1 (gr.1)
63	0,12 ~ 0,25 kW 0,16 ~ 0,35 HP	11 j6	23	60	75	M5	12,5	4	NB14 63
71	0,25 ~ 0,37 kW 0,37 ~ 5 HP	14 j6	30	70	85	M6	16	5	NB14 71
71	0,25 ~ 0,37 kW 0,37 ~ 0,5 HP	14 j6	30	70	85	M6	16	5	XB14 71-0 (gr. 0) XB14 71-1 (gr.1)
80	0,55 ~ 0,75 kW 0,75 ~ 1 HP	19 j6	40	80	100	M6	21,5	6	XB14 80-0 (gr. 0) XB14 80-1 (gr. 1)
90	1,1 ~ 1,5 kW 1,5 ~ 2 HP	24 j6	50	95	115	M8	27	8	XB14 90-1
100/112	2,2 ~ 7,5 kW 3 ~ 10 HP	28 j6	60	110	130	M8	31	8	XB14 100-1

Three-phase 4 poles (~1450 rpm at 50Hz, ~1750 rpm at 60Hz)

Frame size	Typical powers (S3 40%)	Assembly code	Spare part code	Ø A	I	L	M	Weight kg
112	7,5kW (10HP)	7,5AC 34 112	B14750AC345S3	28 j6	216	327	219	35

Three-phase 2 poles (~2900 rpm at 50Hz, ~3500 rpm at 60Hz)

Frame size	Typical powers (S3 40%)	Assembly code	Spare part code	Ø A	I	L	M	Weight kg
112	7,5kW (10HP)	7,5AC 32 112	B14750AC325S3	28 j6	216	327	219	38

Mounting kits - spare parts

The B14 mounting kits are made of:

- a half-coupling E36100000 (for pumps gr. 1) or E36100006 (for pumps gr. 0) on pump shaft side, the same as used for integral AC motors.
- a half-coupling on motor shaft side, which is different for each frame size.
- an adaptor flange to suit the central manifold, which is also different for each frame size.

The mounting kit is already included when specifying a B14 AC motor in PPC assembly code. When ordering spare motors, the relevant mounting kit is not included and must be ordered separately.