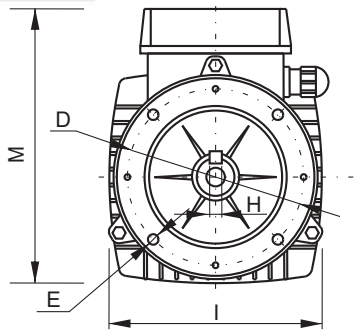
B14 IEC AC MOTORS

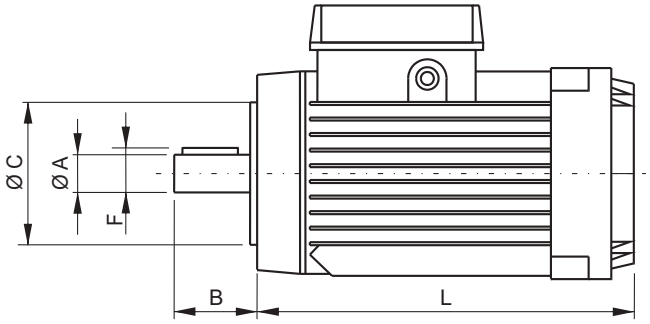


B14 IEC motors: for market compatibility, any IEC standard B14 AC motor with frame 63, 71, 80, 90, 100 or 112 can be mounted. These motors are normally procured and mounted by the customer himself. Two-piece couplings and additional adaptor flanges as per following tables must be fitted. Hydronit can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

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

CE





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

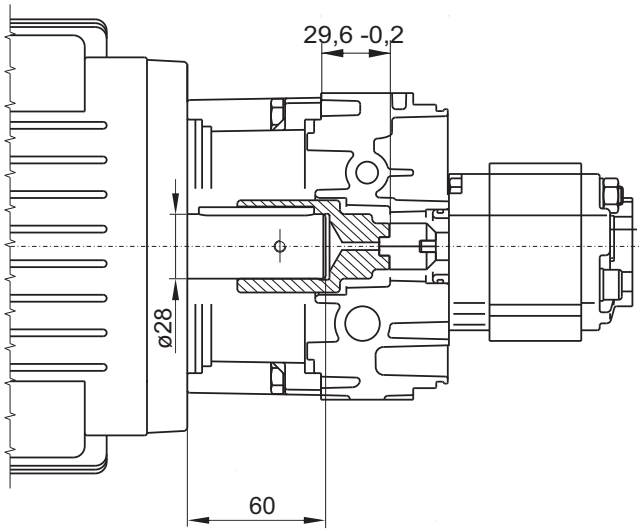
The B14 mounting kits are made of:
- a half-coupling E36100000 (for pumps gr. 1) or E36100006 (for pumps gr. 0) on pump shaft side, the same as used for integral AC motors.
- a half-coupling on motor shaft side, which is different for each frame size.
- an adaptor flange to suit the central manifold, 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.

MOUNTING KIT FOR FRAME 100/112 B14 IEC MOTORS

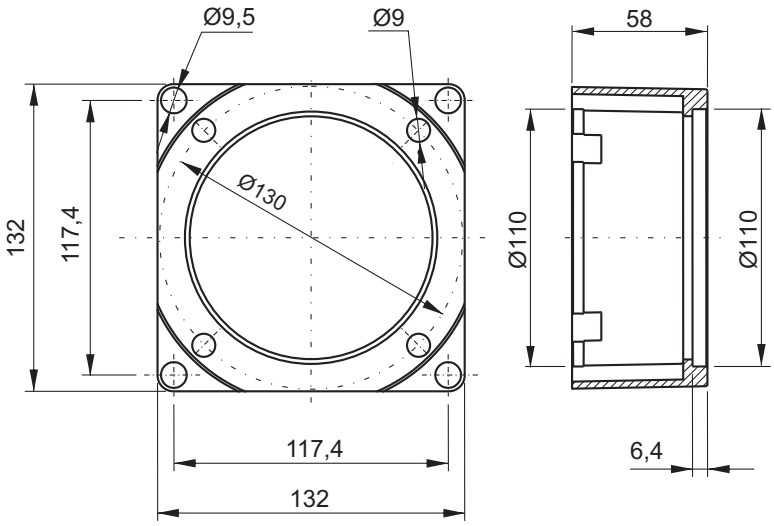


Kit weight: 0,99 Kg



Adaptor flange

Adaptor flange **F27010004** Weight: 0,66 Kg

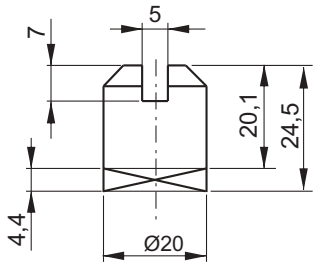


Description	Assembly code*	Spare part code
B14 100 motor side half-coupling	XB14 100-1	**E36100004**
B14 pump side half-coupling		**E36100000**
B14 100 adaptor flange		**F27010004**

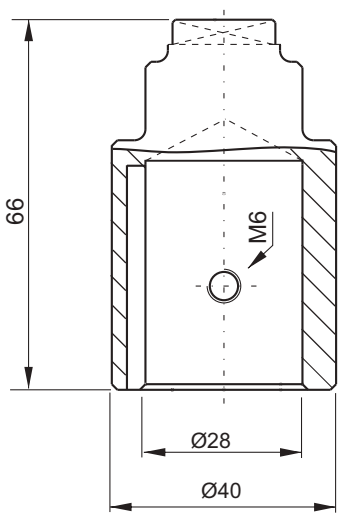
* Note: The coupling+flange kit is already included when specifying a B14 motor in PPC assembly code. XB14 90 code has to be indicated only when ordering PPC with no motor but with coupling+flange kit.

Couplings

Pump side **E36100000** Weight: 0,05 Kg



Motor side **E36100004** Weight: 0,31 Kg



Attention! When assembling frame 100 B14 motors with XB14 flange+coupling kit, please respect positioning tolerances as per top drawing. Non-compliance can cause malfunctioning or component failure.

25-01