

Horizontal pumps



GR5379

Fig. 55 Horizontal CR pump

Horizontal pumps are used in applications for safety and/or space-saving reasons.

In earthquake areas, horizontal pumps are more reliable than vertical pumps. In case of earthquake, the design and mounting of the pump will dampen the oscillations of the pump.

In installations with limited access or space, we recommend horizontal pumps to improve installation and service.

Pump range

These Grundfos pumps are available for horizontal mounting:

Pump types	Horizontal CR pumps												
	1s	1	3	5	10	15	20	32	45	64	90	120	150
CR(E)	●	●	●	●	●	●	●	●	●	●	●	● ^{*)}	● ^{*)}
CRI(E)	●	●	●	●	●	●	●						
CRN(E)	●	●	●	●	●	●	●	●	●	●	●	● ^{*)}	● ^{*)}

● Available.

●*) Available up to 55 kW.

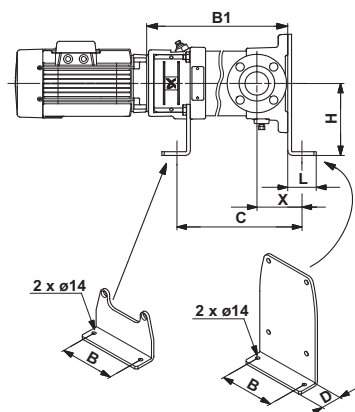
CRT(E) 2, 4, 8 and 16 pumps are also available for horizontal mounting.

The pumps are supplied with separate mounting plates for support of motor and pump.

Dimensional drawings

CR(E), CRI(E), CRN(E) 1s, 1, 3, 5 (≤ 4 kW)

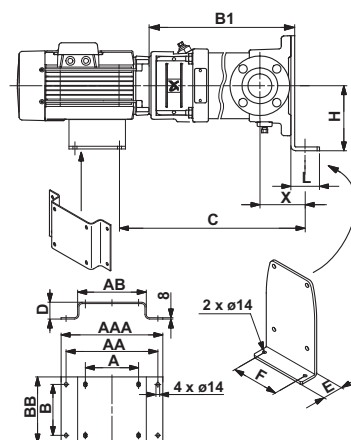
CR(E), CRI(E), CRN(E) 10, 15, 20 (≤ 4 kW)



TM03 4641 3507

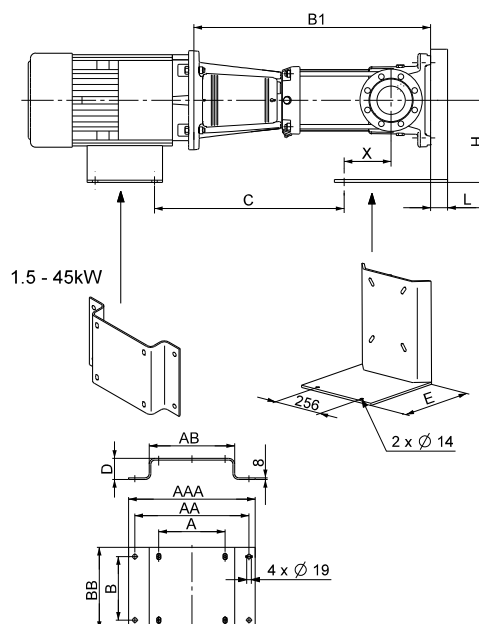
CR(E), CRI(E), CRN(E) 5 (5.5 - 7.5 kW)

CR(E), CRI(E), CRN(E) 10, 15, 20 (≥ 5.5 kW)

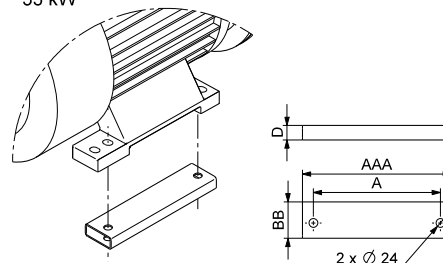


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CR(E), CRN(E) 32, 45, 64, 90, 120, 150



55 kW



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Dimensions

CR(E), CRI(E), CRN(E) 1s, 1, 3, 5 (≤ 4 kW), support for base plate and pump head

Motor [kW]	B [mm]	C [mm]	D [mm]	H [mm]	L [mm]	X [mm]	
						Connections	
						DIN	Oval, PJE, FlexiClamp
0.37 - 0.55	138	B1-118	45	140	50	105	80
0.75 - 1.1		B1-124	45				
1.5 - 2.2		B1-140	45				
3 - 4		B1-144	45				

Note: For pump height (B1), see the CR(E), CRI(E), CRN(E) data booklet.

CR(E), CRI(E), CRN(E) 5 (5.5 - 7.5 kW)

													CR(E), CRI(E), CRN(E) 5	
													X [mm]	
													Connections	
Motor [kW]	A [mm]	AA [mm]	AAA [mm]	AB [mm]	B [mm]	BB [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	L [mm]	DIN	Oval
5.5	216	326	366	276	140	180	B1+119	68	45	138	200	50	105	80
7.5	216	326	366	276	140	180	B1+119	68	45	138	200	50		

Note: For pump height (B1), see the CR(E), CRI(E), CRN(E) data booklet.

CR(E), CRI(E), CRN(E) 10, 15, 20 (≤ 4 kW), support for base plate and pump head

													CR(E), CRI(E), CRN(E)	
													10	15, 20
													X [mm]	
													Connections	
Motor [kW]	B [mm]	C [mm]	D [mm]	H [mm]	L [mm]								DIN, oval, PJE, FlexiClamp	DIN, oval, PJE, FlexiClamp
0.37 - 0.55	170	B1-125	45	174	50	110			120					
0.75 - 1.1		B1-129	45											
1.5 - 2.2		B1-144.5	45											
3 - 4		B1-149.5	45											

Note: For pump height (B1), see the CR(E), CRI(E), CRN(E) data booklet.

CR(E), CRI(E), CRN(E) 10, 15, 20 (≥ 5.5 kW), support for base plate and motor

													CR(E), CRI(E), CRN(E)	
													10	15, 20
													X [mm]	
													Connections	
Motor [kW]	A [mm]	AA [mm]	AAA [mm]	AB [mm]	B [mm]	BB [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	L [mm]	DIN, oval, PJE, FlexiClamp	DIN, oval, PJE, FlexiClamp
5.5	216	326	366	276	140	180	B1+119	68	45	170	200	50	110	120
7.5	216	326	366	276	140	180	B1+119	68	45	170	200	50		
11	254	384	424	334	210	260	B1+138	40	45	170	200	50		
15	254	384	424	334	210	260	B1+138	40	45	170	200	50		
18.5	254	384	424	334	254	310	B1+138	40	45	170	200	50		

CR(E), CRN(E) 32, 45, 64, 90, 120, 150 (≤ 45 kW), support for base plate and motor

												CR(E), CRN(E)	
												32	45, 64, 90, 120, 150
												X [mm]	
												Connections	
Motor [kW]	A [mm]	AA [mm]	AAA [mm]	AB [mm]	B [mm]	BB [mm]	C [mm]	D [mm]	E [mm]	H [mm]	L [mm]	DIN	DIN
1.5	140	320	380	220	100	165	B1-261	200	340				
2.2	140	320	380	220	125	165	B1-261	200	340				
3	160	340	400	245	140	180	B1-254	190	340				
4	190	370	430	275	140	180	B1-247	178	340				
5.5	216	395	455	300	140	180	B1-228	158	340				
7.5	216	395	455	300	140	180	B1-228	158	340				
11	254	440	500	340	210	275	B1-209	130	340	290	60	212	177
15	254	455	515	340	210	266	B1-209	130	340				
18.5	254	455	515	340	254	310	B1-209	130	340				
22	279	485	545	365	240	310	B1-196	110	340				
30	318	540	600	410	305	365	B1-184	90	340				
37	318	540	600	410	305	365	B1-184	90	340				
45	356	580	640	450	310	370	B1-168	65	340				

CR, CRN 120, 150 (55 kW), support for base plate and motor

										CR, CRN	
										120, 150	
										X [mm]	
										Connections	
Motor [kW]	A [mm]	AAA [mm]	BB [mm]	C [mm]	D [mm]	E [mm]	H [mm]	L [mm]		DIN	
55	349	409	100	B1-137	40	340	290	60		177	