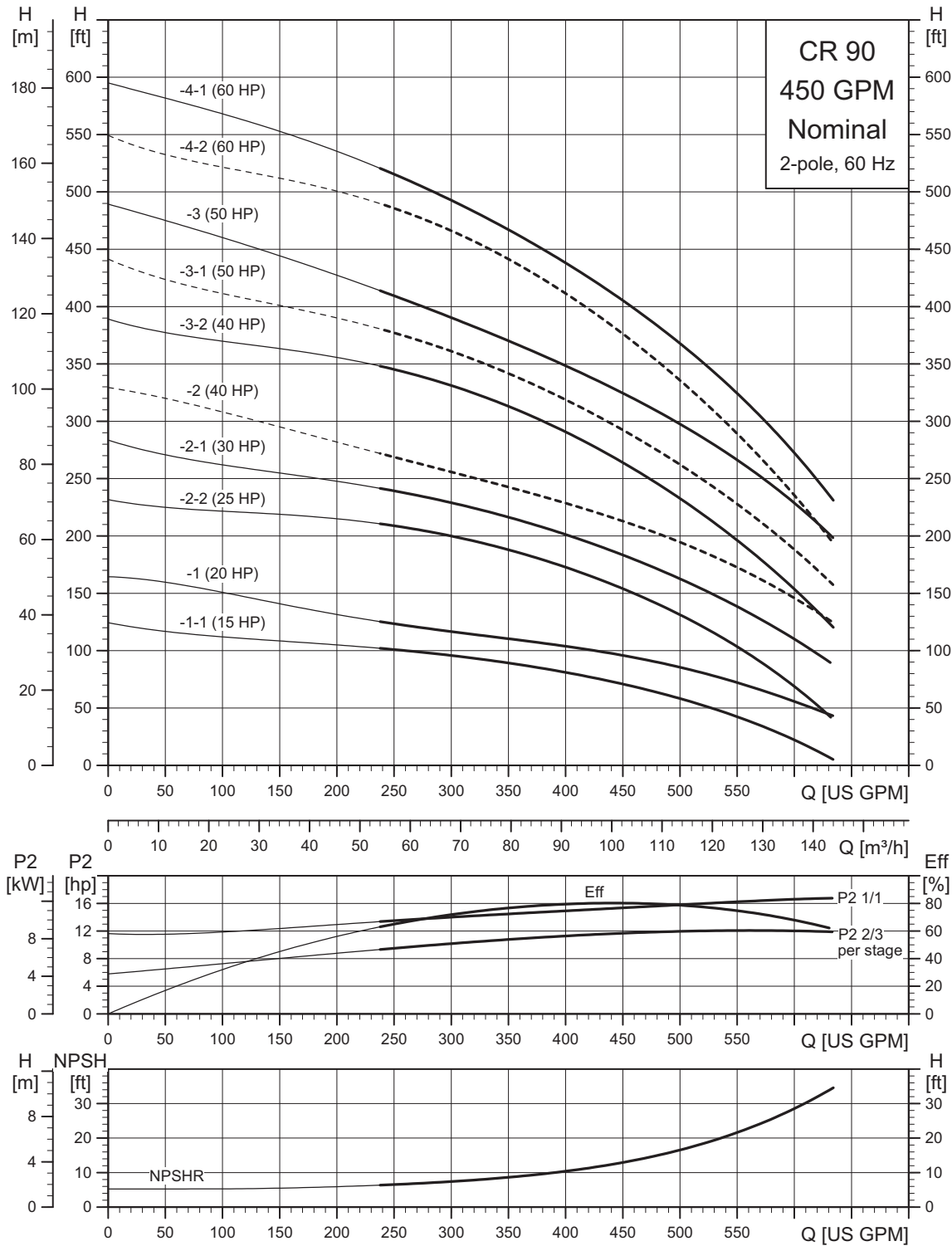


Performance curves

CR 90



Pump curves shown with solid bold line represent standard BoosterpaQ pump offerings. Pump curves shown with dashed line represent non-standard BoosterpaQ pump offerings, which are available upon request.

TM05 1574 3211

Hydro MPC BoosterpaQ with CR 90 pumps

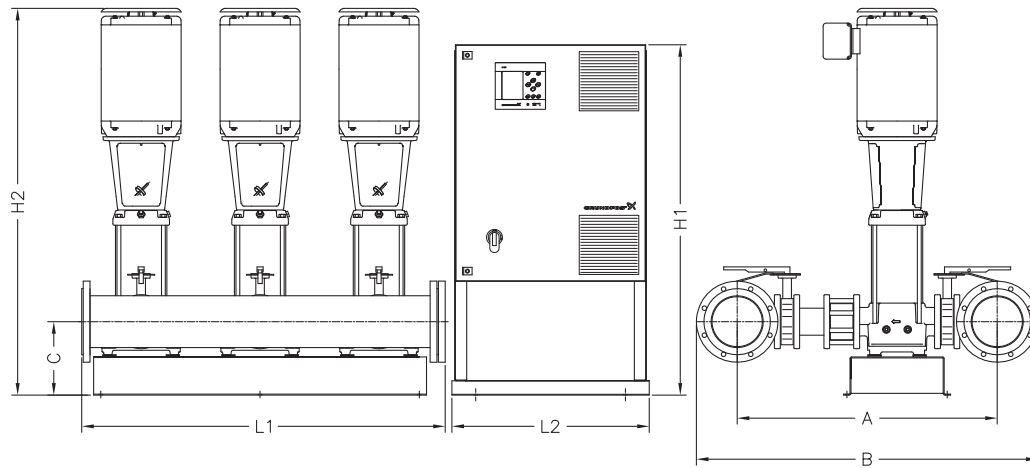


Fig. 59 Drawing of a Hydro MPC booster set with control panel and pumps on separate base plates. (Design B)

TM05 5890 4112

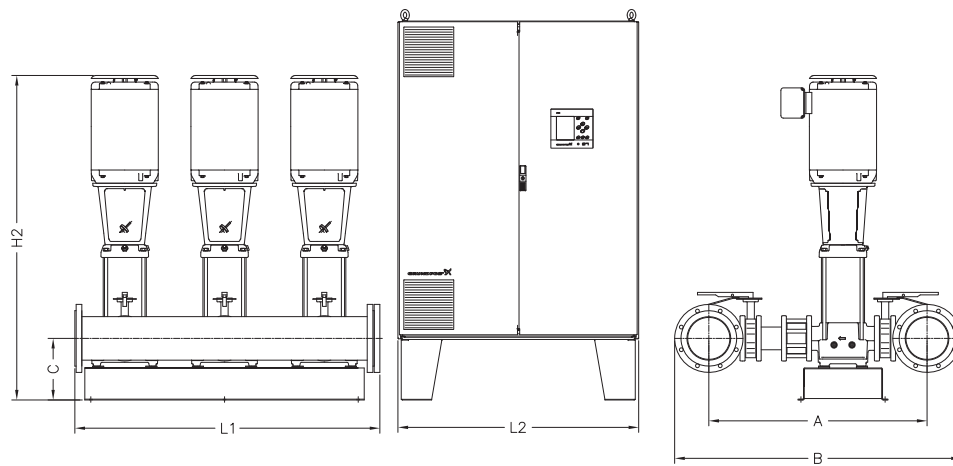


Fig. 60 Drawing of a Hydro MPC booster set with a floor-mounted control panel. (Design C)

TM05 5889 4112

Hydro MPC-E BoosterpaQ with CRE 90 pumps

No. of pumps	Pump type	Motor [hp]	Connect. size [in.]	A [in]	B [in]	C [in]	H1 [in]	H2 [in]	L1 [in]	L2 [in]	Panel dim. HxWxD [in]	Wt. w/out panel [lb]	Wt. w/panel [lb]	Design
2	CRE 90-1-1	15	6" ANSI	44.1	55.1	8.3	57.9	48.4	40.4	32.7	30x24x9	653	750	B
	CRE 90-1	20					57.9	48.4	40.4	32.7	30x24x9	653	750	B
	CRE 90-2-2	25					57.9	55.9	40.4	32.7	40x32x12	671	825	B
	CRE 90-2-1	30					57.9	55.9	40.4	32.7	40x32x12	671	825	B
3	CRE 90-1-1	15	8" ANSI	43.8	57.3	9.8	57.9	49.9	60.2	32.7	40x32x12	893	1057	B
	CRE 90-1	20					57.9	49.9	60.2	32.7	40x32x12	893	1057	B
	CRE 90-2-2	25					57.9	57.5	60.2	32.7	40x32x12	971	1138	B
	CRE 90-2-1	30					57.9	57.5	60.2	32.7	40x32x12	971	1139	B
4	CRE 90-1-1	15	10" ANSI	48.4	64.4	12.2	57.9	52.3	79.9	32.7	40x32x12	1437	1613	B
	CRE 90-1	20					57.9	52.3	79.9	32.7	40x32x12	1437	1613	B
	CRE 90-2-2	25					57.9	59.9	79.9	32.7	40x32x12	1541	1723	B
	CRE 90-2-1	30					57.9	59.9	79.9	32.7	40x32x12	1541	1725	B
5	CRE 90-1-1	15	12" ANSI	51.5	70.5	12.2	57.9	52.3	99.7	TBD	Contact Factory	1937	TBD	B
	CRE 90-1	20					57.9	52.3	99.7	TBD	Contact Factory	1937	TBD	B
	CRE 90-2-2	25					57.9	59.9	99.7	TBD	Contact Factory	2067	TBD	B
	CRE 90-2-1	30					57.9	59.9	99.7	TBD	Contact Factory	2067	TBD	B
6	CRE 90-1-1	15	12" ANSI	51.5	70.5	12.2	57.9	52.3	110.2	TBD	Contact Factory	2235	TBD	B
	CRE 90-1	20					57.9	52.3	110.2	TBD	Contact Factory	2235	TBD	B
	CRE 90-2-2	25					57.9	59.9	110.2	TBD	Contact Factory	2391	TBD	B
	CRE 90-2-1	30					57.9	59.9	110.2	TBD	Contact Factory	2391	TBD	B

Design A: Hydro MPC booster set with a control panel mounted on the same base plate as the pumps.

Design B: Hydro MPC booster set with a control panel and pumps mounted on separate base plates.

Design C: Hydro MPC booster set with a floor mounted control panel.

Note: All control panel dimensions based on 460/3/60 power. Dimensions may vary ± 1 in. and vary due to options requested and component changes. Please contact Grundfos for a Certified drawing for construction purposes.

Hydro MPC-E(CUE) BoosterpaQ with CR 90 pumps

No. of pumps	Pump type	Motor [hp]	Connect. size [in.]	A [in]	B [in]	C [in]	H1 [in]	H2 [in]	L1 [in]	L2 [in]	Panel dim. HxWxD [in]	Wt. w/out panel [lb]	Wt. w/panel [lb]	Design
2	CR 90-1-1	15	6" ANSI	44.1	55.1	8.3	60.0	46.2	40.4	36.0	48x36x16	923	1234	C
	CR 90-1	20					60.0	46.2	40.4	36.0	48x36x16	1051	1362	C
	CR 90-2-2	25					60.0	53.0	40.4	36.0	48x36x16	1033	1346	C
	CR 90-2-1	30					75.0	56.4	40.4	48.0	63x48x20	1127	1641	C
	CR 90-2	40					75.0	56.4	40.4	48.0	63x48x20	1245	1762	C
	CR 90-3-2	40					75.0	60.0	40.4	48.0	63x48x20	1268	1785	C
	CR 90-3	50					75.0	64.6	40.4	48.0	63x48x20	1548	2138	C
3	CR 90-1-1	15	8" ANSI	43.8	57.3	9.8	75.0	47.7	60.2	48.0	63x48x20	1298	1824	C
	CR 90-1	20					75.0	47.7	60.2	48.0	63x48x20	1490	2016	C
	CR 90-2-2	25					75.0	54.6	60.2	48.0	63x48x20	1514	2043	C
	CR 90-2-1	30					75.0	58.0	60.2	48.0	63x48x20	1655	2243	C
	CR 90-2	40					75.0	58.0	60.2	48.0	63x48x20	1832	2424	C
	CR 90-3-2	40					75.0	61.6	60.2	48.0	63x48x20	1856	2448	C
	CR 90-3	50					75.0	66.2	60.2	48.0	63x48x20	2276	2978	C
4	CR 90-1-1	15	10" ANSI	48.4	64.4	12.2	75.0	50.1	79.9	48.0	63x48x20	1977	2556	C
	CR 90-1	20					75.0	50.1	79.9	48.0	63x48x20	2233	2812	C
	CR 90-2-2	25					75.0	57.0	79.9	48.0	63x48x20	2265	2849	C
	CR 90-2-1	30					83.0	60.3	79.9	63.0	71x63x20	2453	3236	C
	CR 90-2	40					83.0	60.3	79.9	63.0	71x63x20	2689	3478	C
	CR 90-3-2	40					83.0	64.0	79.9	63.0	71x63x20	2721	3510	C
	CR 90-3	50					83.0	68.6	79.9	63.0	71x63x20	3281	4214	C
5	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	83.0	50.1	99.7	71.0	71x71x20	2612	3453	C
	CR 90-1	20					83.0	50.1	99.7	71.0	71x71x20	2932	3773	C
	CR 90-2-2	25					83.0	57.0	99.7	71.0	71x71x20	2972	3819	C
	CR 90-2-1	30					83.0	60.3	99.7	71.0	71x71x20	3207	4153	C
	CR 90-2	40					83.0	60.3	99.7	71.0	71x71x20	3502	4455	C
	CR 90-3-2	40					83.0	64.0	99.7	71.0	71x71x20	3541	4495	C
	CR 90-3	50					83.0	68.6	99.7	71.0	71x71x20	4241	5375	C
6	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	83.0	50.1	110.2	71.0	71x71x20	3045	3939	C
	CR 90-1	20					83.0	50.1	110.2	71.0	71x71x20	3429	4323	C
	CR 90-2-2	25					83.0	57.0	110.2	71.0	71x71x20	3477	4378	C
	CR 90-2-1	30					91.0	60.3	110.2	93.0	79x93x24	3759	4890	C
	CR 90-2	40					91.0	60.3	110.2	93.0	79x93x24	4113	5253	C
	CR 90-3-2	40					91.0	64.0	110.2	93.0	79x93x24	4161	5300	C
	CR 90-3	50					91.0	68.6	110.2	93.0	79x93x24	5001	6356	C

Design A: Hydro MPC booster set with a control panel mounted on the same base plate as the pumps.

Design B: Hydro MPC booster set with a control panel and pumps mounted on separate base plates.

Design C: Hydro MPC booster set with a floor mounted control panel.

Note: All control panel dimensions based on 460/3/60 power. Dimensions may vary ± 1 in. and vary due to options requested and component changes. Please contact Grundfos for a Certified drawing for construction purposes.

Hydro MPC-F BoosterpaQ with CR 90 pumps

No. of pumps	Pump type	Motor [hp]	Connect. size [in.]	A [in]	B [in]	C [in]	H1 [in]	H2 [in]	L1 [in]	L2 [in]	Panel dim. HxWxD [in]	Wt. w/out panel [lb]	Wt. w/panel [lb]	Design
2	CR 90-1-1	15	6" ANSI	44.1	55.1	8.3	60.0	40.4	40.4	36.0	48x36x16	923	1234	C
	CR 90-1	20					60.0	45.5	40.4	36.0	48x36x16	1051	1362	C
	CR 90-2-2	25					60.0	54.3	40.4	36.0	48x36x16	1033	1346	C
	CR 90-2-1	30					60.0	54.9	40.4	36.0	48x36x16	1127	1479	C
	CR 90-2	40					60.0	56.3	40.4	36.0	48x36x16	1245	1600	C
	CR 90-3-2	40					60.0	59.9	40.4	36.0	48x36x16	1268	1623	C
	CR 90-3	50					60.0	59.4	40.4	36.0	48x36x16	1548	1976	C
3	CR 90-1-1	15	8" ANSI	43.8	57.3	9.8	60.0	41.9	60.2	36.0	48x36x16	1298	1662	C
	CR 90-1	20					60.0	47.1	60.2	36.0	48x36x16	1490	1854	C
	CR 90-2-2	25					60.0	55.8	60.2	36.0	48x36x16	1514	1881	C
	CR 90-2-1	30					60.0	56.5	60.2	36.0	48x36x16	1655	2081	C
	CR 90-2	40					75.0	57.8	60.2	47.0	63x47x20	1832	2424	C
	CR 90-3-2	40					75.0	61.5	60.2	47.0	63x47x20	1856	2448	C
	CR 90-3	50					75.0	61.0	60.2	47.0	63x47x20	2276	2978	C
4	CR 90-1-1	15	10" ANSI	48.4	64.4	12.2	60.0	44.3	79.9	36.0	48x36x16	1977	2394	C
	CR 90-1	20					75.0	49.4	79.9	47.0	63x47x20	2233	2812	C
	CR 90-2-2	25					75.0	58.2	79.9	47.0	63x47x20	2265	2849	C
	CR 90-2-1	30					75.0	58.8	79.9	47.0	63x47x20	2453	3117	C
	CR 90-2	40					75.0	60.2	79.9	47.0	63x47x20	2689	3359	C
	CR 90-3-2	40					75.0	63.8	79.9	47.0	63x47x20	2721	3391	C
	CR 90-3	50					75.0	63.3	79.9	47.0	63x47x20	3281	4095	C
5	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	75.0	44.3	99.7	47.0	63x47x20	2612	3244	C
	CR 90-1	20					75.0	49.4	99.7	47.0	63x47x20	2932	3564	C
	CR 90-2-2	25					75.0	58.2	99.7	63.0	63x63x20	2972	3739	C
	CR 90-2-1	30					75.0	58.8	99.7	63.0	63x63x20	3207	4073	C
	CR 90-2	40					75.0	60.2	99.7	63.0	63x63x20	3502	4375	C
	CR 90-3-2	40					75.0	63.8	99.7	63.0	63x63x20	3541	4415	C
	CR 90-3	50					75.0	63.3	99.7	63.0	63x63x20	4241	5295	C
6	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	75.0	44.3	110.2	63.0	63x63x20	3045	3859	C
	CR 90-1	20					75.0	49.4	110.2	63.0	63x63x20	3429	4243	C
	CR 90-2-2	25					75.0	58.2	110.2	63.0	63x63x20	3477	4298	C
	CR 90-2-1	30					75.0	58.8	110.2	63.0	63x63x20	3759	4698	C
	CR 90-2	40					83.0	60.2	110.2	71.0	71x71x20	4113	5141	C
	CR 90-3-2	40					83.0	63.8	110.2	71.0	71x71x20	4161	5188	C
	CR 90-3	50					83.0	63.3	110.2	71.0	71x71x20	5001	6244	C

Design A: Hydro MPC booster set with a control panel mounted on the same base plate as the pumps.

Design B: Hydro MPC booster set with a control panel and pumps mounted on separate base plates.

Design C: Hydro MPC booster set with a floor mounted control panel.

Note: All control panel dimensions based on 460/3/60 power. Dimensions may vary ± 1 in. and vary due to options requested and component changes. Please contact Grundfos for a Certified drawing for construction purposes.

Hydro MPC-S BoosterpaQ with CR 90 pumps

No. of pumps	Pump type	Motor [hp]	Connect. size [in.]	A [in]	B [in]	C [in]	H1 [in]	H2 [in]	L1 [in]	L2 [in]	Panel dim. HxWxD [in]	Wt. w/out panel [lb]	Wt. w/panel [lb]	Design
2	CR 90-1-1	15	6" ANSI	44.1	55.1	8.3	57.9	40.4	40.4	32.7	24x24x8	923	999	B
	CR 90-1	20					57.9	45.5	40.4	32.7	24x24x8	1051	1127	B
	CR 90-2-2	25					57.9	54.3	40.4	32.7	24x24x8	1033	1111	B
	CR 90-2-1	30					57.9	54.9	40.4	32.7	24x24x8	1127	1205	B
	CR 90-2	40					57.9	56.3	40.4	32.7	40x32x12	1245	1402	B
	CR 90-3-2	40					57.9	59.9	40.4	32.7	40x32x12	1268	1425	B
	CR 90-3	50					57.9	59.4	40.4	40.6	40x32x12	1548	1706	B
3	CR 90-1-1	15	8" ANSI	43.8	57.3	9.8	57.9	41.9	60.2	32.7	40x32x12	1298	1462	B
	CR 90-1	20					57.9	47.1	60.2	32.7	40x32x12	1490	1654	B
	CR 90-2-2	25					57.9	55.8	60.2	32.7	40x32x12	1514	1681	B
	CR 90-2-1	30					57.9	56.5	60.2	40.6	40x32x12	1655	1823	B
	CR 90-2	40					57.9	57.8	60.2	40.6	40x32x12	1832	2004	B
	CR 90-3-2	40					57.9	61.5	60.2	40.6	40x32x12	1856	2028	B
	CR 90-3	50					57.9	61.0	60.2	72.0	40x32x12	2276	2450	B
4	CR 90-1-1	15	10" ANSI	48.4	64.4	12.2	57.9	44.3	79.9	40.6	40x32x12	1977	2153	B
	CR 90-1	20					57.9	49.4	79.9	40.6	40x32x12	2233	2409	B
	CR 90-2-2	25					57.9	58.2	79.9	40.6	40x32x12	2265	2447	B
	CR 90-2-1	30					57.9	58.8	79.9	40.6	40x32x12	2453	2637	B
	CR 90-2	40					57.9	60.2	79.9	40.6	40x32x12	2689	2879	B
	CR 90-3-2	40					57.9	63.8	79.9	40.6	40x32x12	2721	2911	B
	CR 90-3	50					57.9	63.3	79.9	72.0	40x32x12	3281	3471	B
5	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	57.9	44.3	99.7	40.6	47x32x12	2612	2829	B
	CR 90-1	20					57.9	49.4	99.7	40.6	47x32x12	2932	3149	B
	CR 90-2-2	25					57.9	58.2	99.7	40.6	47x32x12	2972	3194	B
	CR 90-2-1	30					57.9	58.8	99.7	40.6	47x32x12	3207	3432	B
	CR 90-2	40					57.9	60.2	99.7	40.6	47x32x12	3502	3734	B
	CR 90-3-2	40					57.9	63.8	99.7	40.6	47x32x12	3541	3774	B
	CR 90-3	50					57.9	63.3	99.7	72.0	47x32x12	4241	4474	B
6	CR 90-1-1	15	12" ANSI	51.5	70.5	12.2	57.9	44.3	110.2	72.0	47x32x12	3045	3274	B
	CR 90-1	20					57.9	49.4	110.2	72.0	47x32x12	3429	3658	B
	CR 90-2-2	25					57.9	58.2	110.2	72.0	47x32x12	3477	3713	B
	CR 90-2-1	30					57.9	58.8	110.2	72.0	47x32x12	3759	3997	B
	CR 90-2	40					57.9	60.2	110.2	72.0	47x32x12	4113	4360	B
	CR 90-3-2	40					57.9	63.8	110.2	72.0	47x32x12	4161	4407	B
	CR 90-3	50					57.9	63.3	110.2	72.0	47x32x12	5001	5247	B

Design A: Hydro MPC booster set with a control panel mounted on the same base plate as the pumps.

Design B: Hydro MPC booster set with a control panel and pumps mounted on separate base plates.

Design C: Hydro MPC booster set with a floor mounted control panel.

Note: All control panel dimensions based on 460/3/60 power. Dimensions may vary ± 1 in. and vary due to options requested and component changes. Please contact Grundfos for a Certified drawing for construction purposes.